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December 29, 2000

40-8907

Mr. Philip Ting, Chief
Fuel Cycle Licensing Branch, FCSS
c/o Document Control Desk
U.S. Nuclear Regulatory Commission
Washington, DC 20555

Mr. Greg Lyssy
U.S. Environmental Protection Agency
Superfund Coordinator
New Mexico Team (6SF-LT)
1445 Ross Avenue
Dallas, TX 75202-2733

Subject: **License No. SUA-1475, 2000 Ground Water Corrective Action Plan Report**

Telephone
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Dear Messrs. Ting and Lyssy:

On behalf of United Nuclear Corporation (United Nuclear), Earth Tech, Inc. (Earth Tech) is providing this annual performance review of the ground water corrective action systems installed and operating at United Nuclear's Church Rock Mill and Tailings site near Gallup, New Mexico, pursuant to License Condition 30C. This report is for the 2000 operating year and represents the period from October 1999 through September 2000. Similar to last year, this report presents only the data collected and a summary of operations, including modifications that were made to the operations through the year. This modification in the report format was discussed with and approved by the U.S. Nuclear Regulatory Commission (NRC) and U.S. Environmental Protection Agency (EPA) in September 1998.

The 2000 annual review assesses the performance of the corrective action through 2000 and compares the assessment to the EPA's findings in its *Five-Year Review Report* (1998). The EPA report presents a review of the system's performance through the 1996 operating year. This analysis of the 2000 data supports the conclusions reached by United Nuclear in previous annual reviews (Canonie Environmental Services Corp. [Canonie], 1989b, 1990, 1991, 1992b, 1993b and 1995; Smith Technology Corporation [Smith Technology], 1995 and 1996; Rust Environment and Infrastructure [Rust], 1997; Earth Tech, 1998 and 1999) and confirms the findings contained in EPA's *Five-Year Review Report* (1998).

INTRODUCTION

The corrective (or remedial) action systems for tailings seepage remediation were installed and began operating during the summer and fall of 1989. United Nuclear has submitted an annual review report at the end of each subsequent year. This report is the twelfth in the series and includes water quality analyses and water level elevations

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for the fourth quarter of 1999 through the third quarter of 2000 and pumping results from October 1999 through September 2000. Also included are summaries of the operation of the corrective action systems and a description of modifications made to the systems during the operating year.

Two meetings took place in 2000 that affect the operation of the corrective action systems. In March 2000, United Nuclear met with the agencies for a presentation on Zone 1 geochemistry and also to discuss the status of Zone 3 and the Southwest Alluvium. At that meeting, the agencies requested that United Nuclear prepare documentation supporting why the remaining three Zone 3 extraction wells should be turned off and prepare a geochemical evaluation of the Southwest Alluvium. This documentation was prepared and submitted to the agencies in May (Zone 3) and June (Southwest Alluvium). The report on the Southwest Alluvium geochemistry included a proposal to temporarily turn off the extraction wells for a test period.

The second meeting took place on November 14 and 15, 2000, and included a presentation on the Southwest Alluvium geochemistry. At this meeting, the agencies agreed that the remaining Zone 3 wells could be decommissioned via a license amendment and that the Southwest Alluvium extraction wells could be turned off for a temporary evaluation of natural attenuation. This decision was documented in the e-mail letter from Greg Lyssy of the EPA dated November 15, 2000. The Zone 3 wells had been shut down since June for repairs to the distribution system and will remain shut off. The Southwest Alluvium wells will be turned off in January 2001 after the first quarter 2001 samples are collected.

SITE ORIENTATION

Figure 1 is a site map that shows the location of the extraction wells that operated during 2000, the evaporation ponds, and the reclaimed tailings areas. The figure also shows the remedial action target area for each geologic formation where the impacts of tailings seepage were originally identified and corrective action is being implemented. Additional background information on site facilities and activities is available in the previous annual reviews.

EXTRACTION SYSTEMS

Southwest Alluvium

The corrective action for the Southwest Alluvium in 2000 continued the operation of three of the four extraction wells (802, 803, and 808). As documented in the 1999 Annual Review, Well 801 was decommissioned at the end of July 1999 because it

pumped at a rate of less than 0.5 gallon per minute (gpm) for the previous eight years. The operational data are summarized in Table 1. The three wells pumped at a combined average rate of 15.64 gpm during the 2000 reporting period. A total of 7.7 million gallons of water was extracted from the target area during the 2000 reporting period, resulting in a cumulative total of 129.3 million gallons for the 11-year operating period (October 1989 through September 2000).

Well 808 continues to have reduced productivity related primarily to plugging of the pump and drop pipe by chemical precipitation. Historically this well has been the highest producer, but since July 1997 it has been operating for only 3 to 4 weeks before the pump is plugged and has to be pulled and cleaned. This well did not operate for 16 weeks during the 2000 operating year and pumped an average of 2.5 gpm. Continued cleaning and stimulation of the well may damage the casing and screen and may eventually make the installation of a replacement well desirable. In the meantime, the existing cleaning and stimulation procedures will be followed.

In March 2000, United Nuclear met with the regulatory agencies in Santa Fe, New Mexico, and discussed turning off the Southwest Alluvium extraction wells. As has been discussed in previous annual reports and documented in the EPA's *Five-Year Report* (1998), the system will not further reduce constituent concentrations and continued active remediation will not provide any benefit. At the March meeting, United Nuclear was asked to prepare a geochemical assessment of the Southwest Alluvium groundwater similar to that presented for Zone 1. The assessment was presented in Earth Tech's report titled *Southwest Alluvium Groundwater Geochemistry* and submitted to the agencies in June 2000. The report documented that the primary constituents exceeding water quality standards are sulfate and total dissolved solids (TDS), that the concentrations of these constituents are controlled by the natural geochemistry of the Southwest Alluvium, and that continued pumping will not further improve the water quality.

A second meeting with the regulatory agencies was held on November 14 and 15, 2000, to discuss the geochemistry report. At that time, the agencies agreed that the Southwest Alluvium system could be turned off for a temporary test period to evaluate the effectiveness of natural attenuation. This decision is documented in the e-mail letter from Greg Lyssy of EPA to United Nuclear dated November 15, 2000. The wells will be turned off in January 2001 after the first quarter 2001 sampling event to start the temporary test period.

Zone 3

Corrective action in Zone 3 during the 2000 operating year consisted of pumping the three remaining Stage II extraction wells (716, 717 and 718) that have not been approved for decommissioning. All other extraction wells have been decommissioned.

Table 2 presents the pumping rates and field pHs recorded during the 2000 operating year for the three wells. As shown, the average combined weekly pumping rates for these wells was 13.74 gpm. Table 2 also shows that the average pH at these wells was 6.5. The pH of 6.5 indicates that this water is of background quality or impacted only to a minor extent by tailings seepage. Extraction of this better-quality water is consistent with the approved remedial design and has been necessary to effectively dewater the Zone 3 Target Area. However, the benefit of continuing to dewater the target area is diminishing relative to the negative impact of expanding the migration of seepage-impacted water further downdip (EPA, 1998).

Table 3 summarizes the volume extracted from Zone 3 since the system was turned on in 1989. As shown, the total volume pumped during 2000 was 5.0 million gallons, which is approximately half of the annual amount pumped in recent years. The pumped volume was reduced in the 2000 operating year because the three remaining wells (716, 717 and 718) were temporarily shut off in June 2000 for much-needed repairs to the distribution system. No system-wide repairs or maintenance has been implemented since these wells were turned on 10 years ago. The repairs were in progress at the end of the operating year (September 2000) so the wells were not operated for the remainder of the year. The total volume pumped since 1989 is 161.8 million gallons.

As part of the meeting in March 2000, United Nuclear discussed turning off the three remaining Zone 3 wells. Although these wells are still pumping at rates greater than 1.0 gpm, they are located downgradient from the seepage-impacted water and are drawing the seepage-impacted water further downgradient. Review of the 1989 through 2000 data shows that these downgradient wells, although extracting background quality water, have operated as designed to help dewater the target area. However, the benefit of continued dewatering of the target area is diminishing relative to the negative impact of expanding the migration of seepage-impacted water further downdip. The letter dated May 19, 2000, from Roy Blickwedel of General Electric to Thomas Essig of NRC provides data analysis supporting this conclusion.

The meeting in November 2000 included a discussion of the May 19 letter concerning turning off the Zone 3 wells. At that time, the agencies agreed that the three wells should be turned off. This decision is documented in the e-mail letter from Greg Lyssy to United Nuclear dated November 15, 2000. Therefore, once the repairs are complete, the three wells will be officially decommissioned pending the acceptance of an alternative remedial action or compliance standard.

Zone 1

The Zone 1 corrective action system wells (615, 616 and 617) were decommissioned at the end of July 1999 in accordance with the letter from NRC dated July 30, 1999.

Therefore, no discussion of the Zone 1 corrective action for the 2000 operating year is provided herein.

MASS EXTRACTED

In accordance with the requirements of the NRC and EPA, the mass of chemical constituents extracted is calculated for each of the three formations. The constituents with concentrations that exceeded NRC standards and/or EPA Applicable or Relevant and Appropriate Requirements within the target area were included in the calculation. TDS concentrations were not included in the mass extraction calculations because TDS are mainly composed of constituents that are included in the calculations (e.g., sulfate).

Appendix A presents the methodology and calculations used to determine the mass extracted. The results of the calculations are presented in the tables in the appendix. Because the Zone 1 extraction system was shut off in July 1999, no mass extraction calculation was performed for the 2000 operating year.

PERFORMANCE MONITORING

The *Corrective Action Plan* (United Nuclear, 1989a), *Remedial Design Report* (Canonie, 1989a) and *Remedial Action Plan* (United Nuclear, 1989b) approved by the NRC and EPA describe the performance monitoring program. The program has been modified over time as described in the annual reports (Canonie, 1989b, 1990, 1991, 1992b, 1993b and 1995; Smith Technology, 1995 and 1996; Rust, 1997; Earth Tech, 1998 and 1999) to adjust the monitoring requirements as the corrective action has taken effect. The NRC and EPA have approved all modifications.

In accordance with the EPA's request in 1999, United Nuclear developed a revised monitoring program that was implemented beginning with the second quarter 2000 sampling event. The revised program is documented in the letters dated January 13, 2000 (Earth Tech, 2000a) and April 26, 2000 (Earth Tech 2000b). Final approval by the agencies of the revised program is still pending.

The revised program includes:

- Modifying the list of wells included in the program to reflect current conditions of saturation,
- Installing dedicated sampling pumps,

- Using low-flow techniques for purging and sample collection, and
- Collecting field parameters using an in-line flow cell.

Table 4 lists the wells included in the revised program. It also lists the wells in the original program that were eliminated from the revised program along with an explanation of why they were eliminated. Figures showing the revised well layouts are included for each formation in Appendices B (Southwest Alluvium), C (Zone 3), and D (Zone 1). Table 5 lists the samples and analyses that are performed for the revised program.

The field and laboratory data collected from the fourth quarter of 1989 through the third quarter of 2000 are summarized in the tables in Appendices B (Southwest Alluvium), C (Zone 3), and D (Zone 1). These tables have been modified to reflect the revised background standards for sulfate, nitrate and TDS that were recommended by the NRC in its report evaluating background for the site (*Evaluation of the Statistical Basis for Establishing Background Levels and Remediation Standards at the United Nuclear Corporation Church Rock Uranium Mill Tailings Disposal Facility Gallup, New Mexico*, June 10, 1996) and supported by the New Mexico Environment Department as documented in its letter to the EPA dated January 6, 1998. These new standards are 2,125 milligrams per liter (mg/L) sulfate, 190 mg/L nitrate and 4,800 mg/L TDS. The quarterly laboratory data sheets for the 2000 operating year are included at the end of the respective appendices. The original field and laboratory data for the period from 1989 to 1999 are included in the previous annual reviews.

Performance Monitoring Results

The performance monitoring data show that water level and water quality conditions remain the same as those described in previous annual reviews (Canonie, 1989b, 1990, 1991, 1992b, 1993b and 1995; Smith Technology, 1995 and 1996; Rust, 1997; Earth Tech, 1998 and 1999) and confirmed in EPA's *Five-Year Review Report* (1998). Water levels continue to decline in all three formations as the mine discharge water drains out of the system.

The water quality data continue to exhibit similar trends and exceedances as those reported in EPA's *Five-Year Review Report*. Table 6 summarizes the water quality at the point of compliance (POC) wells. These data are similar to those presented in the past four years (Smith Technology, 1996; Rust, 1997; Earth Tech, 1998 and 1999), indicating that, as recognized in the EPA's *Five-Year Review Report*, the corrective action systems have reached the physical limit where they are no longer effectively reducing constituent concentrations. The lack of change in the data also is related to the fact that natural geochemical conditions at the site limit the reduction in constituent

concentrations, particularly the concentrations of sulfate, TDS, and manganese. As a result, concentrations of these three constituents are not expected to be reduced further.

The water quality data show no evidence of changes that would be related to the change in the sampling procedures. Review of the data in the appendices shows that concentrations and concentration trends are consistent with the data collected previously. Graphs of representative constituent concentrations for samples collected prior to and after implementing the revised monitoring were prepared to illustrate the lack of change in the data. These plots are presented on Figures 2 (Southwest Alluvium), 3 and 4 (Zone 3), and 5 (Zone 1).

The graphs were prepared by compiling the data collected under the previous monitoring program for the period from the fourth quarter of 1998 through the second quarter of 2000 and for the two sampling events under the revised monitoring program for the second and third quarters of 2000. These data were evaluated to determine the maximum, minimum and median values for each period. The constituents selected for graphing were TDS, sulfate, manganese, and uranium because they represent the range of chemical types (major ions, metals, and radionuclides) detected and exceeding standards. Nickel and radium were added for Zone 3 to provide additional metal and radionuclide data as more constituents are detected and exceed the standards in this formation. Each graph has paired data sets for each well, which are circled with dashed blue lines. The red vertical lines represent the range of the maximum and minimum while the horizontal black dash represents the median.

Review of the graphs shows that the constituent concentrations are similar for both data sets. The exceptions are the large reduction in sulfate in Well 509D in the Southwest Alluvium, which resulted in a corresponding decrease in the TDS concentration. Well EPA 5 in Zone 1 exhibited a similar sharp decrease in sulfate and TDS. The cause of these sharp decreases in concentration is not clear, but will be evaluated as future sample data become available. Also, if the change in the sampling procedures did have an effect on the water chemistry, then a consistent pattern of increased or decreased concentrations would be expected for the individual constituents in all three formations. However, such a pattern is not evident.

Table 6 shows that sulfate and TDS continue to exceed the site standards in all three formations. The EPA's *Five-Year Review Report* recognizes that the natural background levels for these constituents may be higher than the levels stated in the Record of Decision (ROD) (EPA, 1988) and that these exceedances are in part the result of natural background rather than tailings seepage. Also, as demonstrated in the reports on the geochemistry of the three formations prepared by Earth *Tech (Zone 1 Groundwater Geochemistry*, May 2000; *Southwest Alluvium Groundwater Geochemistry*, June 2000; and *Technical Memorandum – Support for Shutting Off Remaining Zone 3 Pumping*

Wells, included in the letter from Roy Blickwedel to NRC dated May 19, 2000), natural geochemical conditions in the formations prevent reduction in sulfate, TDS, and manganese concentrations below the current concentrations.

Table 6 also shows that exceedances of other constituent standards at the site are also evident in the areas impacted by seepage. However, as discussed in the EPA's *Five-Year Review Report*, these exceedances are also observed in areas that have not been impacted by tailings seepage and may also be related to higher background levels than were recognized in the ROD. Further, the evaluation of the geochemistry of the three formations indicates that the concentrations of these constituents associated with the seepage will be attenuated by natural geochemical processes in the formations. As a result, migration of these constituents from the seepage-impacted areas is limited.

EVAPORATION DISPOSAL SYSTEM

The evaporation disposal system operated as designed during the 2000 operating year. Outflow from the system was from the surface of the ponds and the misters.

Based on the system pumping rates at the end of the third quarter of 2000, it does not appear that reductions will be required during the upcoming winter months to maintain adequate storage capacity in the evaporation ponds. However, reductions may be necessary if storage capacity becomes inadequate because of unusually cold temperatures or high precipitation.

SUMMARY AND RECOMMENDATIONS

The results of the 2000 annual review support the conclusions reached by United Nuclear in the previous annual reviews (Canonie, 1989b, 1990, 1991, 1992b, 1993b and 1995; Smith Technology, 1995 and 1996; Rust, 1997; Earth Tech, 1998 and 1999) and confirm the findings and recommendations in the EPA's *Five-Year Review Report* (1998), as well as agency decisions to terminate pumping in Zone 1, Zone 3, and the Southwest Alluvium to monitor the effectiveness of natural attenuation as a mechanism to complete the groundwater corrective action. In summary:

Extraction Systems

- Southwest Alluvium — Continued to operate as designed through 2000. Well 801 was decommissioned in accordance with the NRC letter dated July 30, 1999. Consideration will be given to replacing Well 808; however, it is likely that the chemical precipitation problem would recur. Pumping will cease in 2001 and be

accompanied by monthly water quality monitoring to evaluate a natural attenuation remedy as related in the e-mail letter from EPA dated November 15, 2000.

- Zone 3 — Continues to dewater the target area. Ten of the extraction wells were decommissioned as approved in the NRC letter dated July 30, 1999. Decommissioning the remaining extraction wells is also recommended because they are drawing seepage downgradient. Approval for decommissioning the three remaining wells was provided to United Nuclear in the e-mail letter from EPA dated November 15, 2000. These wells were temporarily turned off in June 2000 for repairs to the system and will remain turned off until an alternative remedy or compliance standards are in place.

- Zone 1 — The remaining three extraction wells were decommissioned as approved in the NRC letter dated July 30, 1999. Water levels continue to decline even through the wells have not pumped for a full year. Groundwater monitoring will be continued to confirm the continuing contraction of previous seepage impacts.

Performance Monitoring

The performance monitoring data show that water level and water quality conditions remain the same as those described in previous annual reviews. The data evaluations indicated:

- Water levels continue to decline as the saturation created by the mine discharge water drains out.

- Water quality trends remain the same. Improvement in water quality is limited by the fact that natural geochemical conditions control concentrations of several constituents, particularly sulfate and TDS. Further reductions in concentrations will be limited by these natural geochemical conditions.

- Water quality data were consistent before and after the modified sampling procedures were implemented under the revised monitoring program. No change in the water quality related to the modified sampling procedures is evident.

United Nuclear is continuing to address the recommendations made by the EPA in its *Five-Year Review Report*. These include:

- Turning off the Zone 1 and Zone 3 extraction systems. (Completed July 30, 1999)

- Developing a revised performance monitoring program that will designate the wells to be monitored and update the monitoring procedures used. (Implemented in second quarter of 2000. Still awaiting final agency approval)

- Abandoning the more than 100 monitoring wells that are not used for performance monitoring. (Completed Fall of 1999)

- Developing and applying for Alternate Concentration Limits or Technical Impracticability waivers or modifying the remedy to include Monitored Natural Attenuation for all three formations (In progress.)

Please call Roy Blickwedel (General Electric Corporation) at (610) 992-7935; Larry Bush (United Nuclear) at (505) 722-6651; or me at (717) 796-8023 or (570) 925-5063 if you have any questions about the information presented herein.

Very truly yours,
Earth Tech, Inc.

Suzie du Pont

Suzie du Pont
Project Manager

Enclosures

cc: Larry Bush, United Nuclear
Roy Blickwedel, General Electric Corporation

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Project No. 32114
December 2000

EARTH TECH

Annual Review - 2000

Ground Water Corrective Action

Church Rock Site
Gallup, New Mexico

Prepared for:

UNC Mining and Milling
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Prepared by:

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TABLES

TABLE 1

SUMMARY OF OPERATIONAL DATA
SOUTHWEST ALLUVIUM EXTRACTION WELLS

Well No.	Annual Average Pumping Rate (gpm)											
	1990 (a)	1991 (b)	1992 (c)	1993 (d)	1994 (e)	1995 (f)	1996 (g)	1997 (h)	1998 (i)	1999 (j)	2000(k)	1990-00
801(l)	1.2	0.5	0.4	0.2	0.2	0.1	0.1	0.1	0.08	0.08	0.00	0.27
802	11.1	12.5	11.9	9.0	9.8	9.7	9.1	10.1	11.02	9.62	9.31	10.29
803	2.0	2.6	2.5	3.0	3.2	3.5	3.1	2.9	3.84	3.56	3.83	3.09
808 (m)		10.0	15.5	19.9	15.6	12.3	12.2	7.2	4.34	3.50	2.50	10.30
Total Pumping Rate	14.3	25.6	30.3	32.1	28.8	25.6	24.5	20.3	19.29	16.76	15.64	23.96
Volume Pumped (millions of gallons) (n)	7.4	12.4	17.2	18.1	15.7	12.9	12.2	9.2	9.0	7.5	7.7	129.3

Notes:

a. Average pumping rate calculated for the period between October 13, 1989 and October 12, 1990.
b. Average pumping rate calculated for the period between October 13, 1990 and October 11, 1991, except Well 808, which calculated for the period between June 26, 1991 (i.e., well startup) and October 11, 1991.
c. Average pumping rate calculated for the period between October 12, 1991 and October 8, 1992.
d. Average pumping rate calculated for the period between October 9, 1992 and October 8, 1993.
e. Average pumping rate calculated for the period between October 9, 1993 and October 14, 1994.
f. Average pumping rate calculated for the period between October 15, 1994 and September 29, 1995.
g. Average pumping rate calculated for the period between September 30, 1995 and September 27, 1996.
h. Average pumping rate calculated for the period between September 28, 1996 and September 26, 1997.
i. Average pumping rate calculated for the period between September 27, 1997 and September 25, 1998.
j. Average pumping rate calculated for the period between October 02, 1998 and September 27, 1999.
k. Average pumping rate calculated for the period between September 28, 1999 and September 29, 2000..
l. Well 801 decommissioned at the end of July 1999.
m. Well 808 began operation on June 26, 1991.
n. Data obtained from system flowmeter.

gpm = gallons per minute

TABLE 2

SUMMARY OF OPERATIONAL DATA
ZONE 3 EXTRACTION WELLS
SEPTEMBER 1999 - SEPTEMBER 2000

Well No.	Weeks Pumped (b)	Weekly Pumping Rate (c) (gpm)	Annual Pumping Rate (d) (gpm)	Average Field pH (e) (SU)
Northeast Pump-Back Wells (a)				
613	0	0	0	–
Total		0	0	–
Stage I Wells (a)				
701	0	0	0	–
706	0	0	0	–
707	0	0	0	–
708	0	0	0	–
709	0	0	0	–
711	0	0	0	–
713	0	0	0	–
Total		0	0	–
Stage II Wells				
714 (a)	0	--	--	--
715 (a)	0	--	--	--
716	35	8.91	6.00	6.5
717	38	2.94	2.15	6.5
718	37	1.89	1.34	6.4
719 (a)	0	0	0	–
720 (a)	0	0	0	–
Total		13.74	9.49	6.5
Total - Zone 3 Extraction Wells		13.74	9.49	6.5
Total volume pumped September 1999 - September 2000 4.97 million gallons (f)				

Notes:

a. The Northeast Pump-Back, Stage I and four of the Stage II wells (714, 715, 719 and 720) were decommissioned at the end of July 1999.

b. Number of weeks that each well was pumped for the period between September 28, 1999 and September 29, 2000.

c. Calculated for the weeks when the well was pumped.

d. Calculated for the 52-week operating year.

e. The average field pH for a set of wells is a weighted average:

$$pH = \frac{\Sigma \ gpm \times pH}{\Sigma \ gpm}$$

f. Data obtained from the Zone 3 system flowmeter for the period from September 28, 1999 and September 29, 2000.

gpm = gallons per minute

SU = Standard Units

TABLE 3

SUMMARY OF VOLUME EXTRACTED
ZONE 3 EXTRACTION SYSTEM
1989 THROUGH 2000

Operating Year	NE Pump-Back		Stage I		Stage II		Total All Systems	
	Volume Pumped (million gallons)	Average Field pH (f) (SU)	Volume Pumped (million gallons)	Average Field pH (f) (SU)	Volume Pumped (million gallons)	Average Field pH (f) (SU)	Volume Pumped (million gallons)	Average Field pH (f) (SU)
1989 (a)	0.80	3.6	4.5	5.5	---	---	5.3	5.2
1990 (b)	3.30	3.2	17.9	5.3	---	---	21.2	5.0
1991 (b, c)	1.60	3.4	11.2	5.1	2.7	6.3	15.5	5.8
1992 (b)	1.40	3.3	9.1	5.6	12.8	6.5	23.3	5.9
1993 (b)	0.70	3.1	6.9	5.6	11.4	6.4	19.0	6.0
1994 (b)	0.20	3.1	5.0	5.3	9.9	6.4	15.1	6.0
1995 (d)	0.20	2.9	3.4	4.8	9.5	6.4	13.1	5.9
1996 (e)	0.10	2.8	2.5	4.5	11.4	6.4	14.0	6.1
1997 (e)	0.03	2.7	1.7	4.4	8.6	6.3	10.4	6.0
1998 (e)	0.02	2.7	1.2	4.3	8.8	6.2	10.0	6.0
1999 (e)	0.02	2.8	0.9	4.1	9	6.4	9.9	6.2
2000 (e)	0	--	0	--	5	6.5	5.0	6.5
Summary 1989 - 2000	8.37	3.0	64.3	5.2	89.1	6.4	161.8	5.8

Notes:

a. The 1989 operating year is defined as the period from August 7, 1989 (startup of Stage I wells) to mid-October 1989.

b. Operating year is from mid-October of the previous year to mid-October of the indicated year.

c. The 1991 operating year for the Stage II Wells is the period from August 19, 1991 (startup of Stage II Wells) to mid-October 1991.

d. Operating year is from mid-October 1994 to the end of September 1995.

e. Operating year is from October of the previous year through September of the indicated year.

f. Field pH is a weighted value (i.e.,

$$pH = \frac{\Sigma \text{ gpm x pH}}{\Sigma \text{ gpm)}}$$

SU = Standard Units

TABLE 4

REVISED MONITORING WELLS
CHURCH ROCK SITE

SOUTHWEST ALLUVIUM

Well	Water Level	Water Quality	NRC POC	Purpose
Continue Monitoring				
509D	X	X	Y	Seepage extent
632	X	X	Y	Seepage extent
GW 1	X	X	Y	Seepage extent
GW 2	X	X	Y	Seepage extent
EPA 23	X	X	Y	Seepage extent
EPA 28	X	X	Y	Problematic completion
624	X	X		Downgradient background, seepage extent
627	X	X		Downgradient background, seepage extent
805	X			Water level only
807	X			Water level only
EPA 25	X	X		Downgradient background, seepage extent
GW 3	X	X		Downgradient background, seepage extent
801	X			Decommisioned pumper, water level only
802	X	X		Pumper, saturation extent, seepage
803	X	X		Pumper, saturation extent, seepage
808	X			Pumper, water level only
Total	16	12		
Eliminated From Monitoring				**Reason For Elimination**
GW 4	X	X		Dry
EPA 22A			Y	Dry
29A				Dry
639				Dry
642				Dry
644				Dry
645				Dry
804				Not needed, use 632
806				Not needed, use 805
EPA 27				Dry

Note:
Shading indicates dry wells.

TABLE 4

REVISED MONITORING WELLS
CHURCH ROCK SITE

ZONE 3

Well	Water Level	Water Quality	NRC POC	Purpose
Continue Monitoring				
420	X	X		Postmining-pretailings background, track plume
711	X	X		Track saturation and plume, replace 502B based on results of low flow purge testing performed in January 2000
504 B	X	X		Track saturation and plume, extensive data set
517	X	X	Y	Track plume, extensive data set
EPA 9	X			Extent of saturation, water quality not necessary
EPA 13	X			Extent of saturation, water quality not necessary
EPA 14	X	X		Postmining-pretailings background, track plume
702	X			Water level only, track saturation
710	X			Water level only
712	X			Water level only
713	X			Water level only
714	X			Water level only
613	X	X		Extensive data set, track saturation and source
701	X			Water level only (decommissioned pumper)
706	X			Water level only (decommissioned pumper)
707	X			Water level only (decommissioned pumper)
717	X			Water level only (pumper)
719	X			Water level only (decommissioned pumper)
Additional Wells, Not Included In Performance Monitoring				
402	X			Long-term water level for migration path
424	X			Long-term water level for migration path
446	X			Long-term water level for migration path
Total	21	6		
Eliminated From Monitoring				**Reason For Elimination**
9 D				Dry
106 D				Dry
411				Oil, cannot get water level or sample
501 B			Y	Dry
EPA 1				Dry
EPA 3			Y	Dry
EPA 11				Unuseable since 1990 - water level below pump, pump cemented in well
EPA 12				Dry
EPA 15				Dry
EPA 17				Dry
EPA 18				Dry
126				Dry
502 B				Failed low-flow test, use 711
518			Y	Failed low-flow test, use 517
608				Not needed (formerly water level only)
703				Not needed (formerly water level only)
715				Not needed (formerly water level only)
708				Well 711 rather than 708 was selected based on results of low flow purge testing performed in January 2000 - Not needed (decommissioned pumper)
709				Not needed (decommissioned pumper)
716				Not needed (pumper)
718				Not needed (pumper)
720				Not needed (decommissioned pumper)

Note:
Shading indicates dry wells.

TABLE 4

REVISED MONITORING WELLS
CHURCH ROCK SITE

ZONE 1

Well	Water Level	Water Quality	NRC POC	Purpose
Continue Monitoring				
515A	X	X		Track transition area
604	X	X	Y	Track center of seepage
614	X	X	Y	Track transition area
EPA 2	X	X		Postmining-pretailings background water quality
EPA 4	X	X	Y	Postmining-pretailings background water quality
EPA 5	X	X		Track transition area
EPA 7	X	X	Y	Track transition area, edge of saturation
EPA 8	X			Track edge of saturation
142	X	X		Premining Background
143	X			Water level only, use 142
Additional Wells, Not Included In Performance Monitoring				
505A	X			Long-term water level for migration path
502A	X			Long-term water level for migration path
501A	X			Long-term water level for migration path
504A	X			Long-term water level for migration path
412	X			Long-term water level for migration path
Total	17	8		
Eliminated From Monitoring				**Reason For Elimination**
141				No longer useable, plugged during arroyo flooding
516A			Y	Failed low-flow testing
619				Anomalous water quality and water level
615				Decommissioned pumper, not needed - use 515 A
616				Decommissioned pumper, not needed - use 604
617				Decommissioned pumper, not needed

Note:
No wells within the tailings reclamation cap were included.

TABLE 5
GROUNDWATER SAMPLES AND ANALYSES
REVISED MONITORING PROGRAM
CHURCH ROCK SITE

Formation	Well ID	No. of Samples	Duplicate	Field Blank	Field Analysis[1]	Laboratory Analysis[1]
Southwest Alluvium	509 D	1			pH	Total Metals
	624	1			Specific Conductivity	Major ions
	627	1			Temperature	Radionuclides
	632	1				Chloroform
	802	1				TDS
	803	1				
	EPA 23	1				
	EPA 25	1				
	EPA 28	1				
	GW 1	1				
	GW 2	1				
	GW 3	1				
Subtotal		12	1			
Zone 3	420	1			Same as above	
	517	1				
	613	1				
	711	1				
	504 B	1				
	EPA 14	1				
Subtotal		6	1			
Zone 1	515 A	1			Same as above	
	142	1				
	604	1				
	614	1				
	EPA 2	1				
	EPA 4	1				
	EPA 5	1				
	EPA 7	1				
Subtotal		8	1			
Total per event		26	3	2	31	31

Notes:

[1] Analyses to be performed on all samples including duplicates, field and equipment blanks.

Metals = Al, As, Be, Cd, Co, Mn, Mo, Ni, Pb, Se, V

Major Ions = Ca, Mg, Na, K, HCO_3, SO_4, Cl, NO_3 as N

Radionuclides = Pb-210, combined Ra-226 and Ra-228, Th-230, U, gross alpha

Al = aluminum
As= Arsenic
Be = Beryllium
Ca = calcium
Cd = Cadmium
Cl = chloride
Co = cobalt
HCO_3 = bicarbonate
K = potassium
Mg = magnesium
Mn = manganese
Mo = molybdenum
Na = sodium
Ni = nickel
NO_3 = nitrate as nitrogen
Pb = lead
Ra = radium
Se = selenium
SO_4 = sulfate
TDS = total dissolved solids
Th = thorium
U = uranium
V = vanadium

TABLE 6
WATER QUALITY AT POC WELLS
THIRD QUARTER 2000

Location	POC Well No.	Lab TDS (mg/L)	SO_4 (mg/L)	NO_3 as N (mg/L)	Cl (mg/L)	Chloro-form (mg/L)	Al (mg/L)	As (mg/L)	Be (mg/L)	Cd (mg/L)	Co (mg/L)	Pb (mg/L)	Mn (mg/L)	Mo (mg/L)	Ni (mg/L)	Se (mg/L)	V (mg/L)	U (mg/L)	Ra-226+ Ra-228 (pCi/L)	Th-230 (pCi/L)	Pb-210 (pCi/L)	Gross Alpha (pCi/L)
	NRC Std	NA	NA	NA	NA	0.001	NA	0.05	0.050	0.01	NA	0.05	NA	NA	0.05	0.01	0.10	0.3	5.0	5.0	1.0	15.0
	EPA Std	4,800	2,125	190.0	250	NA	5.0	0.05	0.017	0.01	0.05	0.05	2.60	1.0	0.2	0.01	0.70	5.0	5.0	NA	NA	15.0
SW Alluvium	0509 D	4,920	1,380	31.3	324	<0.00100	<0.10	<0.001	<0.01	<0.005	<0.01	<0.05	1.89	<0.10	<0.05	<0.001	<0.10	0.2260	3.4	<0.2	<1.0	<1.0
	0632	6,070	2510	2.92	239	0.00200	<0.10	<0.001	<0.01	<0.005	<0.01	<0.05	0.79	<0.10	<0.05	<0.001	<0.10	0.0739	3.0	<0.2	<1.0	<1.0
	EPA 22A	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
	EPA 23	4,450	1,980	1.51	71.1	<0.00100	<0.10	<0.001	<0.01	<0.005	<0.01	<0.05	4.76	<0.10	<0.05	<0.001	<0.10	0.0231	<1.2	<0.2	<1.0	<1.0
	EPA 28	5,190	2,570	46.1	119	<0.00100	<0.10	<0.001	<0.01	<0.005	<0.01	<0.05	0.39	<0.10	<0.05	0.001	<0.10	0.0375	<2.0	<0.2	<1.0	<1.0
	GW 1	4,370	1,720	77.5	125	<0.00100	<0.10	<0.001	<0.01	<0.005	<0.01	<0.05	0.04	<0.10	<0.05	0.001	<0.10	0.0572	<1.2	<0.2	<1.0	<1.0
	GW 2	5,440	2,400	3.0	158	<0.00100	<0.10	<0.001	<0.01	<0.005	0.01	<0.05	0.44	<0.10	<0.05	<0.001	<0.10	0.0602	<1.2	<0.2	<1.0	<1.0
Zone 3	0501 B	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
	0517	4,800	2,850	3.95	50.6	0.00510	10.20	<0.001	<0.01	0.008	0.55	<0.05	7.14	<0.10	0.37	<0.001	<0.10	0.0661	22.7	1.7	<1.0	26.7
	0518	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	EPA 03	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
	EPA 18	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
Zone 1	0516 A	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	0604	7,380	4,470	90.2	53.7	0.00240	14.50	<0.001	0.010	0.011	0.31	<0.05	10.10	<0.10	0.31	<0.001	<0.10	0.0022	8.5	<0.2	<1.0	4.2
	0614	7,600	3,760	109	229	0.21500	<0.10	<0.001	<0.01	<0.005	<0.01	<0.05	0.22	<0.10	<0.05	<0.001	<0.10	0.0542	4.1	<0.2	<1.0	<1.0
	EPA 04	4,790	2,910	<0.10	38.8	<0.00100	<0.10	<0.001	<0.01	0.007	<0.01	<0.05	3.37	<0.10	<0.05	<0.001	<0.10	0.0006	<2.6	<0.2	<1.0	1.8
	EPA 07	7,630	4,160	150	167	0.00190	3.57	<0.001	<0.01	<0.005	0.07	<0.05	9.69	<0.10	<0.05	<0.001	<0.10	0.0026	4.8	<0.2	<1.0	2.8

Notes:

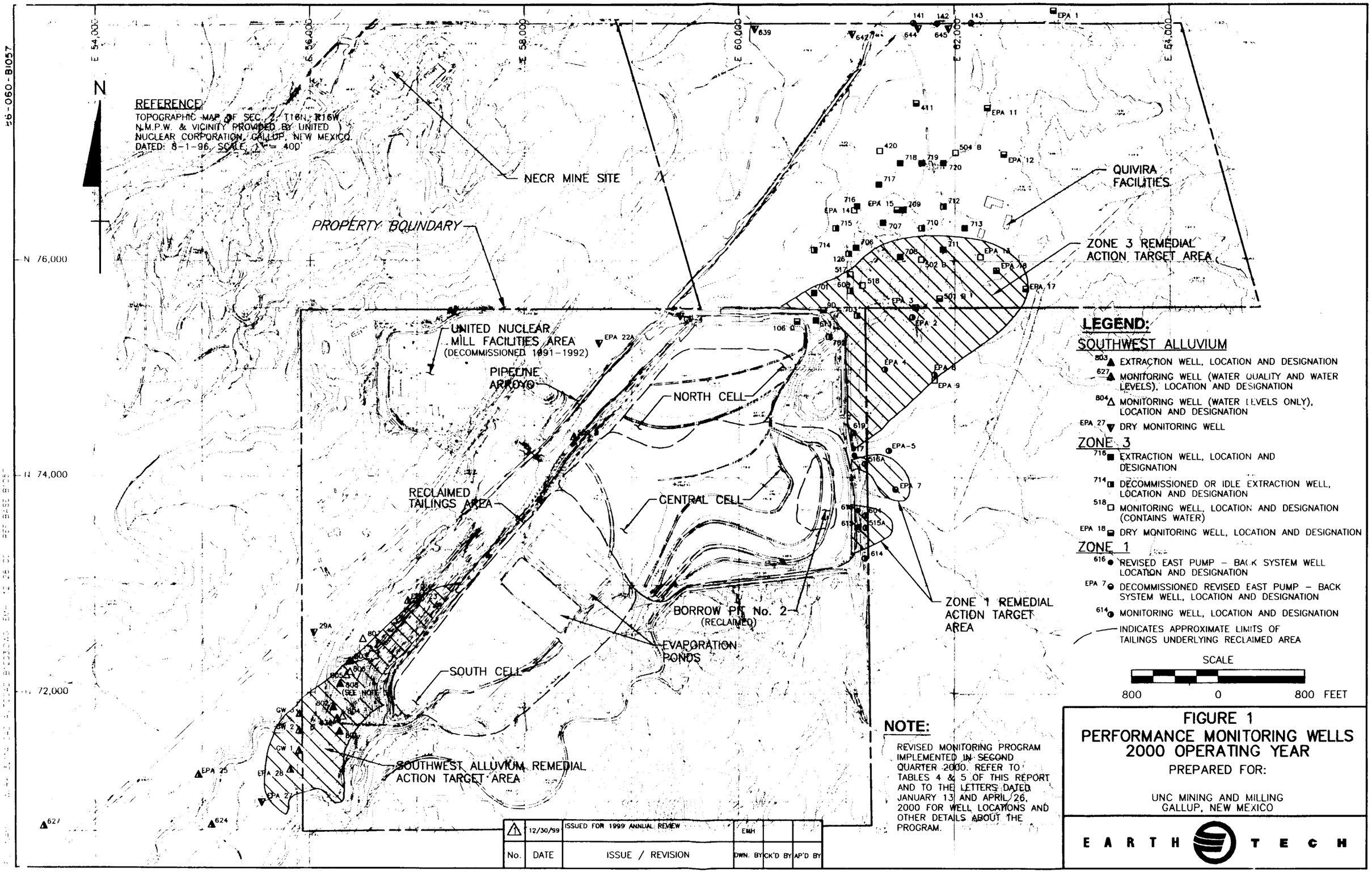
Shading indicates an exceedance of the site cleanup standard.

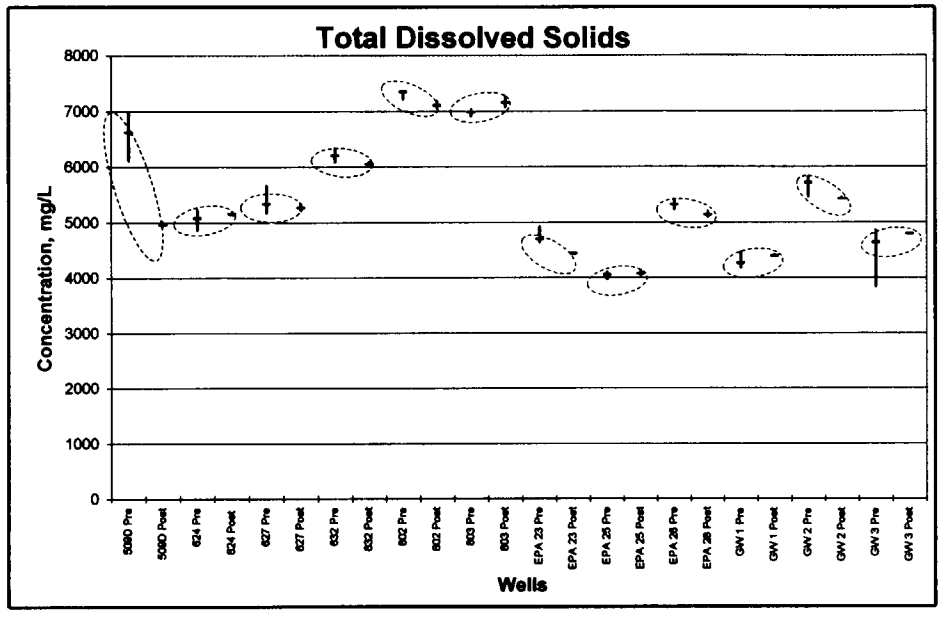
"<" indicates constituent not detected above level shown.

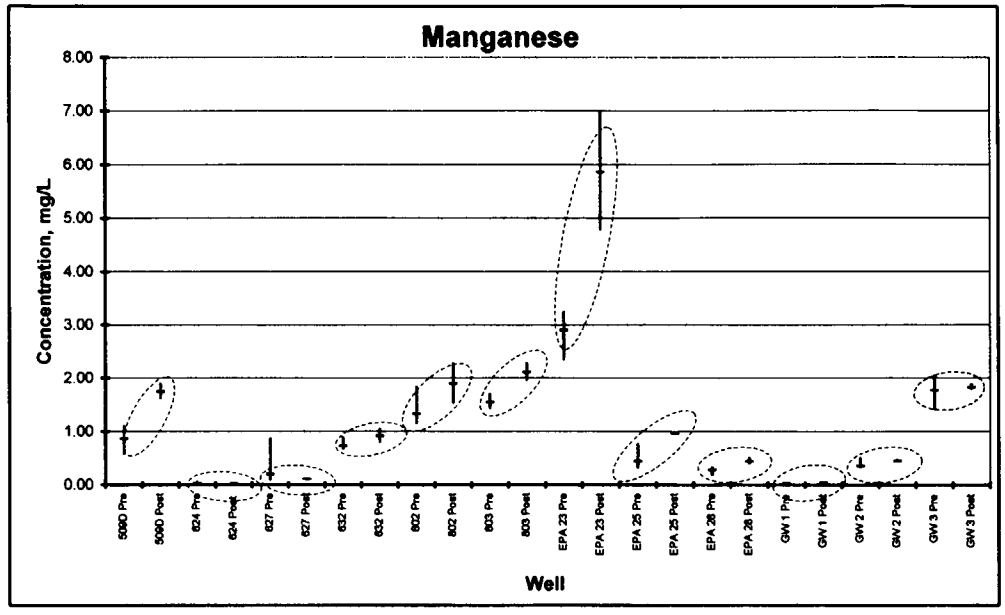
"NS" = well not sampled under the revised monitoring program.

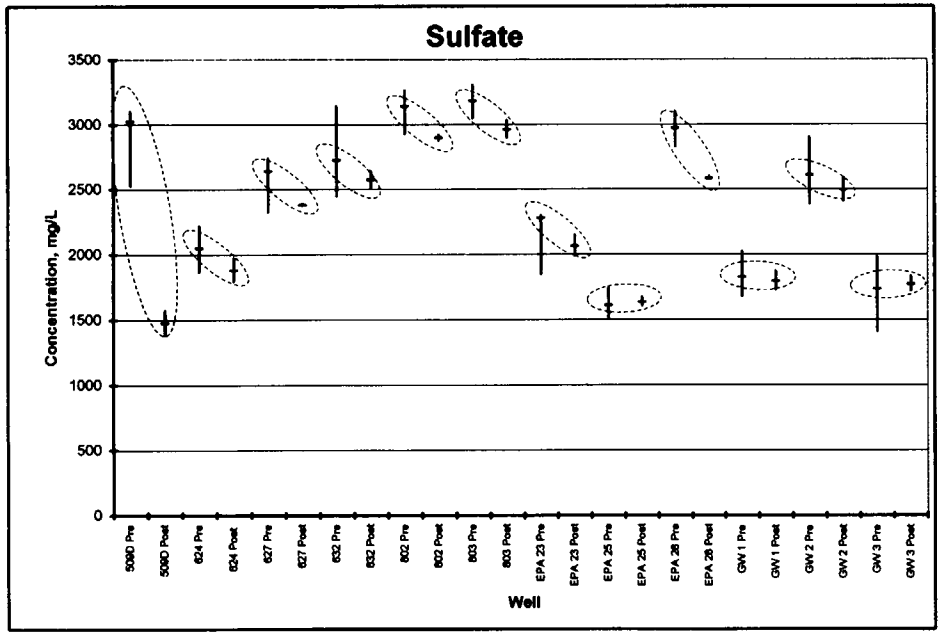
mg/L = milligrams per liter. pCi/L = picoCuries per liter.

FIGURES


N
REFERENCE
TOPOGRAPHIC MAP OF SEC. 2, T16N, R16W N.M.P.M. & VICINITY PROVIDED BY UNITED NUCLEAR CORPORATION, GALLUP, NEW MEXICO. DATED: 8-1-96, SCALE: 1" = 400'
NECR MINE SITE
PROPERTY BOUNDARY
QUIVIRA FACILITIES
ZONE 3 REMEDIAL ACTION TARGET AREA
UNITED NUCLEAR MILL FACILITIES AREA (DECOMMISSIONED 1991-1992)
PIPELINE ARROYO
NORTH CELL
CENTRAL CELL
RECLAIMED TAILINGS AREA
BORROW PIT No. 2 (RECLAIMED)
EVAPORATION PONDS
SOUTH CELL
SOUTHWEST ALLUVIUM REMEDIAL ACTION TARGET AREA
ZONE 1 REMEDIAL ACTION TARGET AREA
N 76,000
N 74,000
N 72,000
E 54,000
E 56,000
E 58,000
E 60,000
E 62,000
E 64,000
LEGEND:
SOUTHWEST ALLUVIUM
803 EXTRACTION WELL, LOCATION AND DESIGNATION
627 MONITORING WELL (WATER QUALITY AND WATER LEVELS), LOCATION AND DESIGNATION
804 MONITORING WELL (WATER LEVELS ONLY), LOCATION AND DESIGNATION
EPA 27 DRY MONITORING WELL
ZONE 3
716 EXTRACTION WELL, LOCATION AND DESIGNATION
714 DECOMMISSIONED OR IDLE EXTRACTION WELL, LOCATION AND DESIGNATION
518 MONITORING WELL, LOCATION AND DESIGNATION (CONTAINS WATER)
EPA 18 DRY MONITORING WELL, LOCATION AND DESIGNATION
ZONE 1
616 REVISED EAST PUMP - BACK SYSTEM WELL LOCATION AND DESIGNATION
EPA 7 DECOMMISSIONED REVISED EAST PUMP - BACK SYSTEM WELL, LOCATION AND DESIGNATION
614 MONITORING WELL, LOCATION AND DESIGNATION
INDICATES APPROXIMATE LIMITS OF TAILINGS UNDERLYING RECLAIMED AREA
SCALE
800 0 800 FEET
NOTE:
REVISED MONITORING PROGRAM IMPLEMENTED IN SECOND QUARTER 2000. REFER TO TABLES 4 & 5 OF THIS REPORT AND TO THE LETTERS DATED JANUARY 13 AND APRIL 26, 2000 FOR WELL LOCATIONS AND OTHER DETAILS ABOUT THE PROGRAM.
FIGURE 1
PERFORMANCE MONITORING WELLS
2000 OPERATING YEAR
PREPARED FOR:
UNC MINING AND MILLING
GALLUP, NEW MEXICO
EARTH TECH
1 12/30/99 ISSUED FOR 1999 ANNUAL REVIEW EWH
No. DATE ISSUE / REVISION DWN. BY CK'D BY AP'D BY







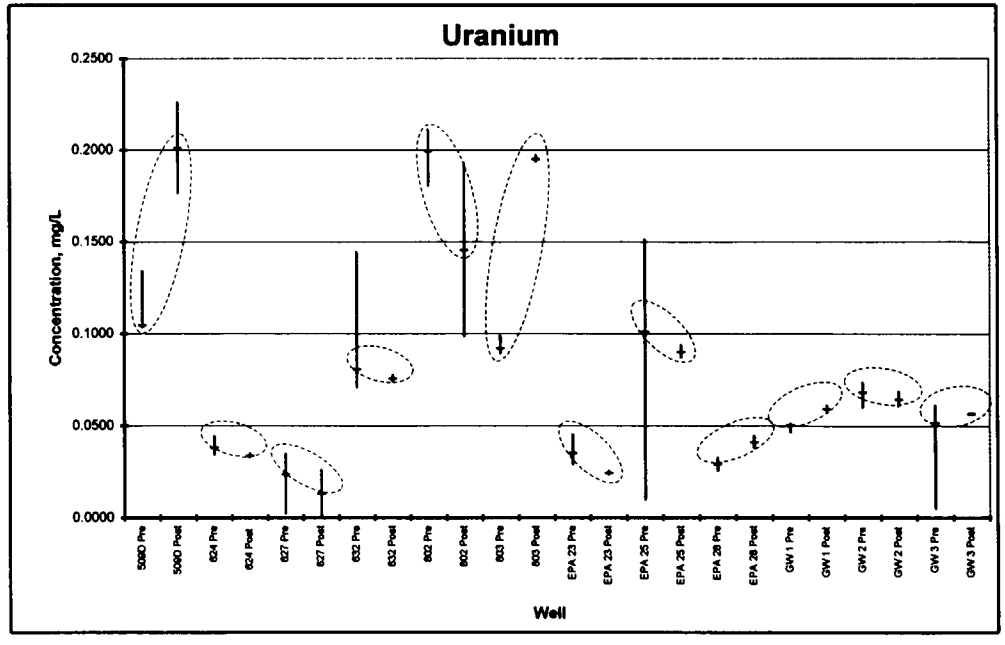
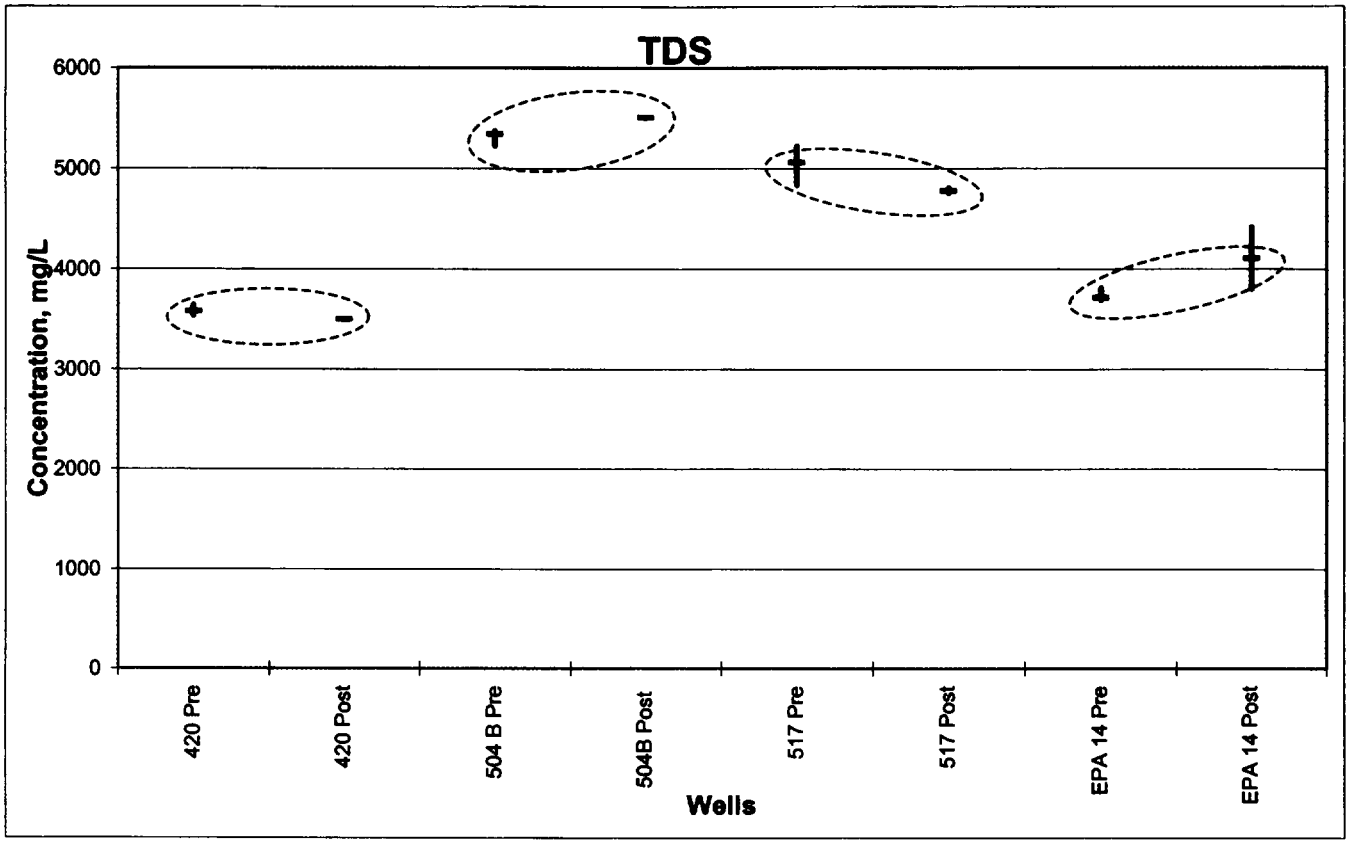


Figure 2
Southwest Alluvium
Comparison of Low Flow and Pumping Sampling Data



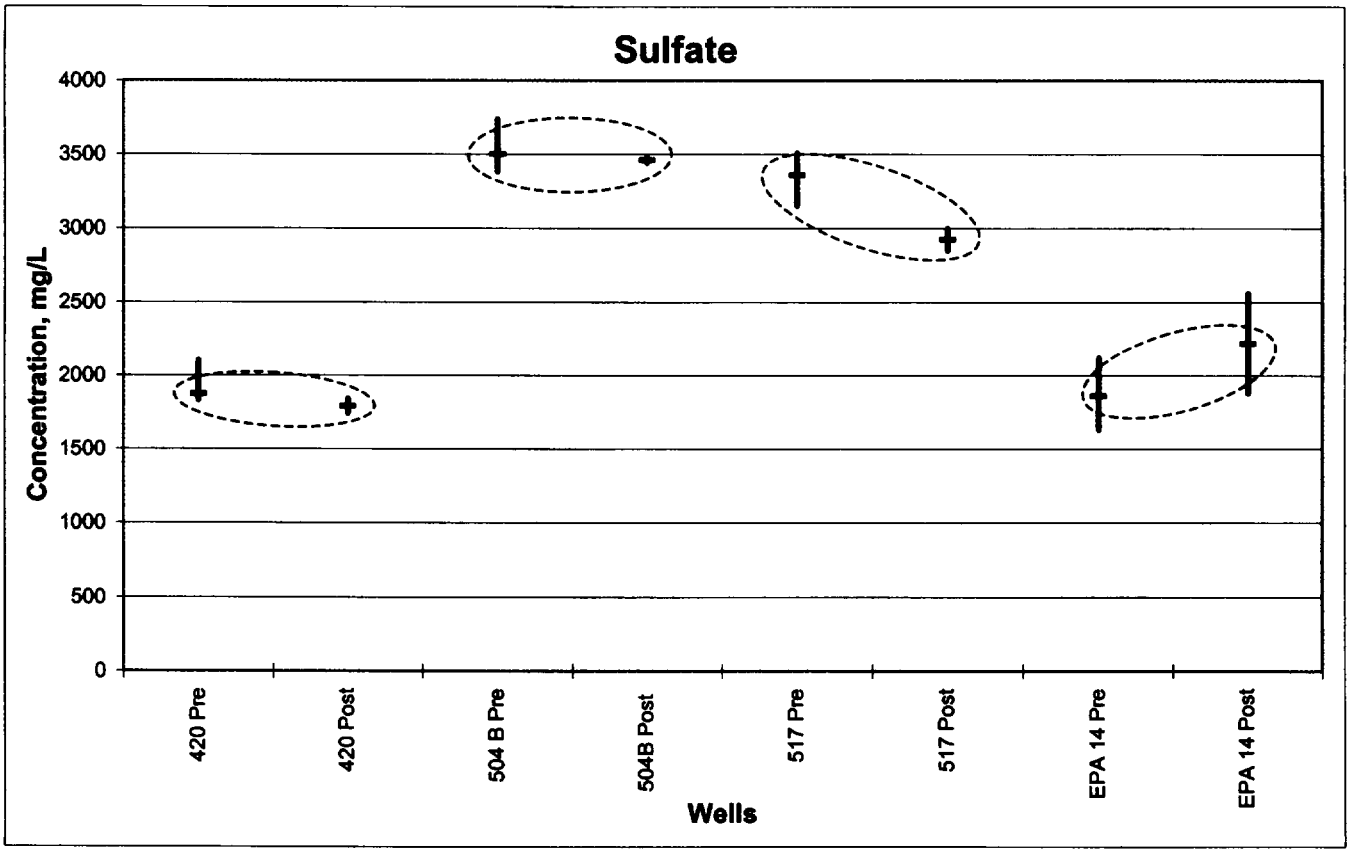
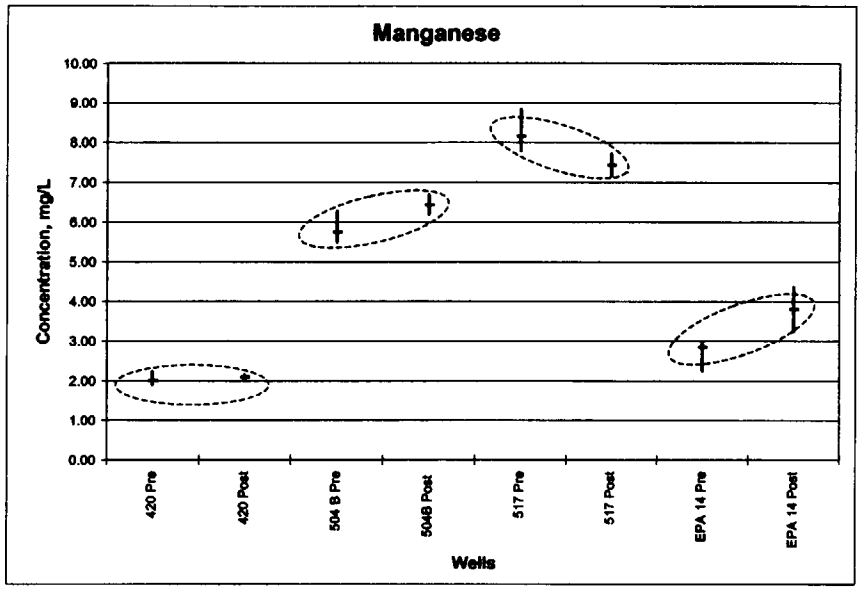
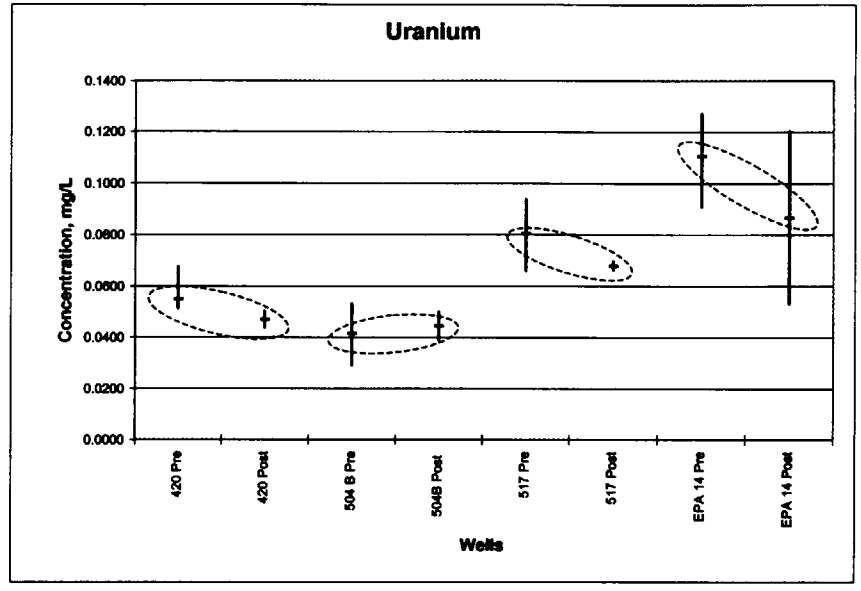
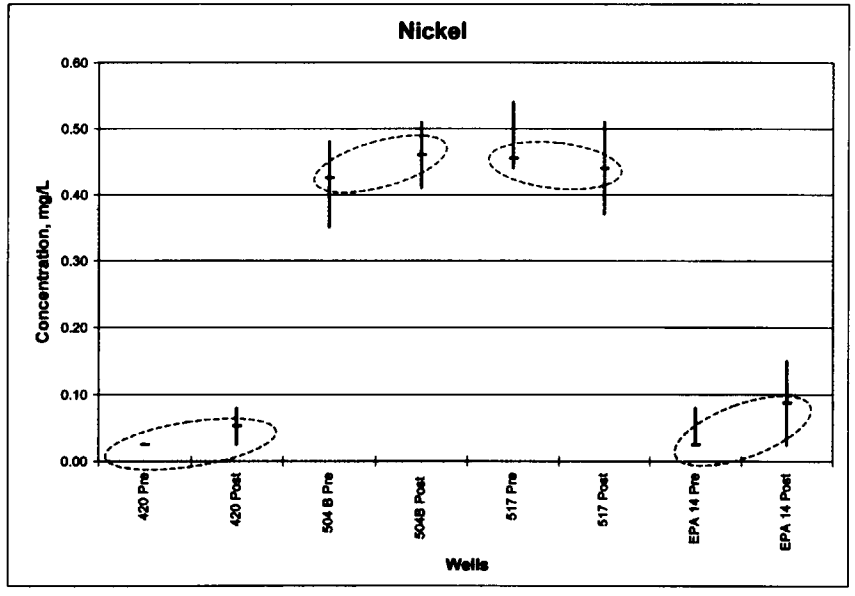


Figure 3
Zone 3 - TDS and Sulfate
Comparison of Data From Pumping and Low Flow Sampling







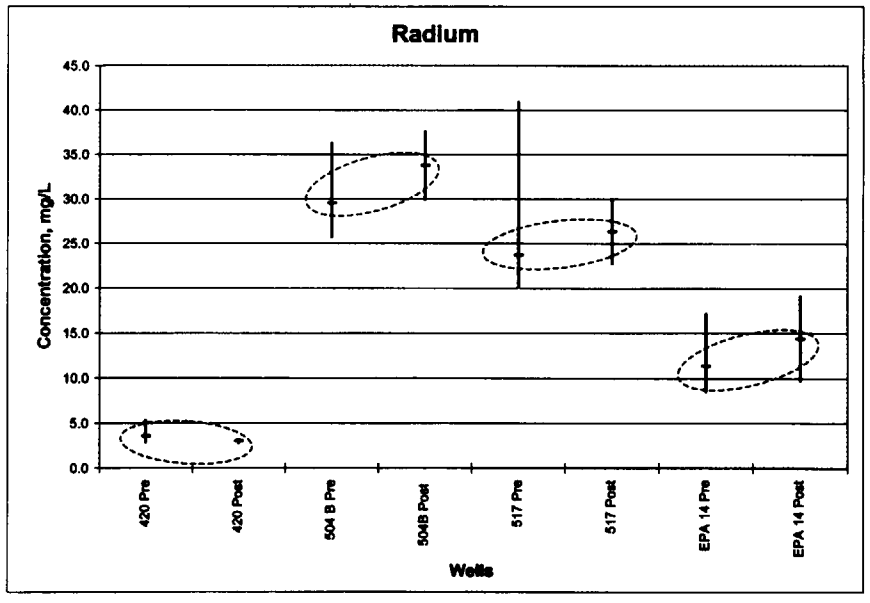
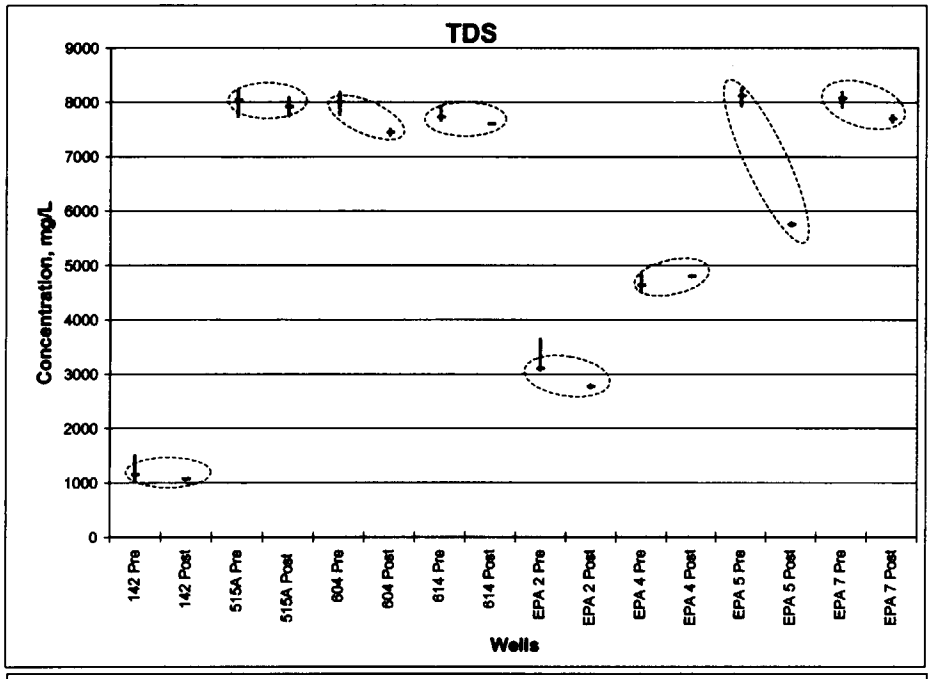
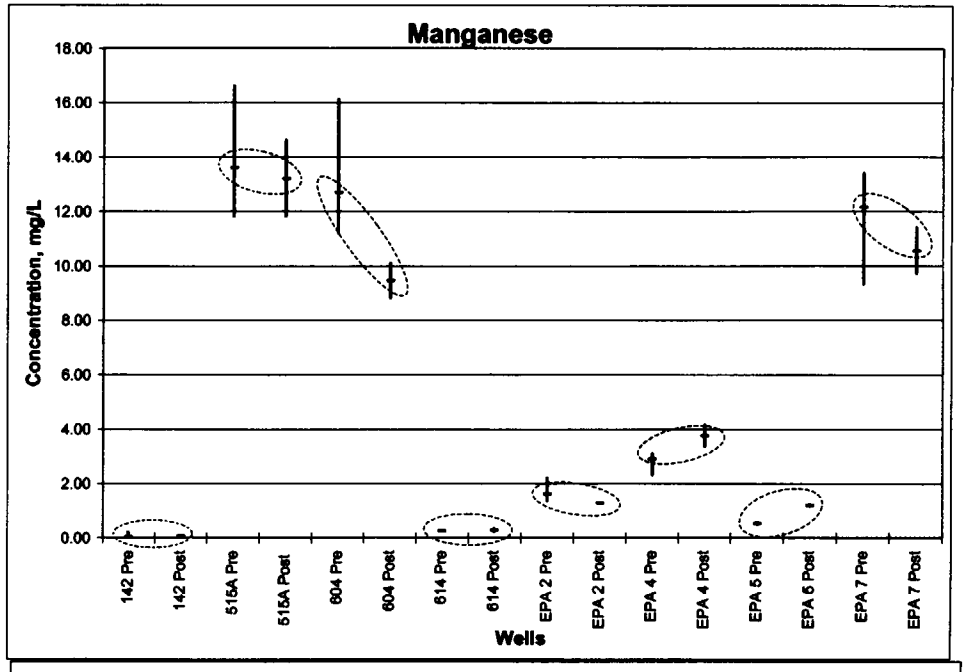
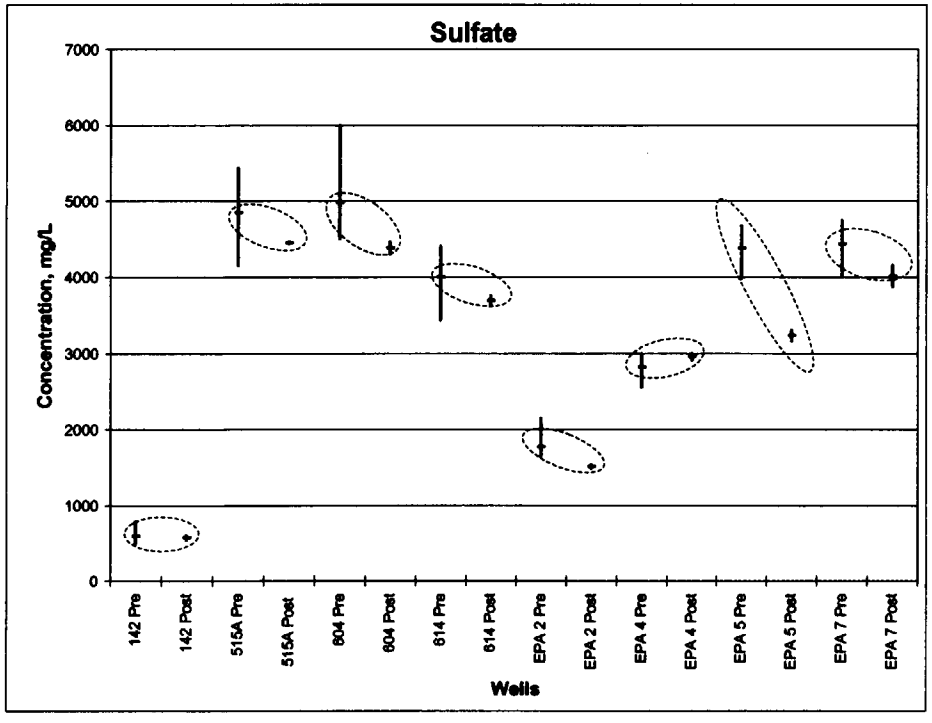


Figure 4
Zone 3 - Metals and Radionuclides
Comparison of Data From Pumping and Low Flow Sampling







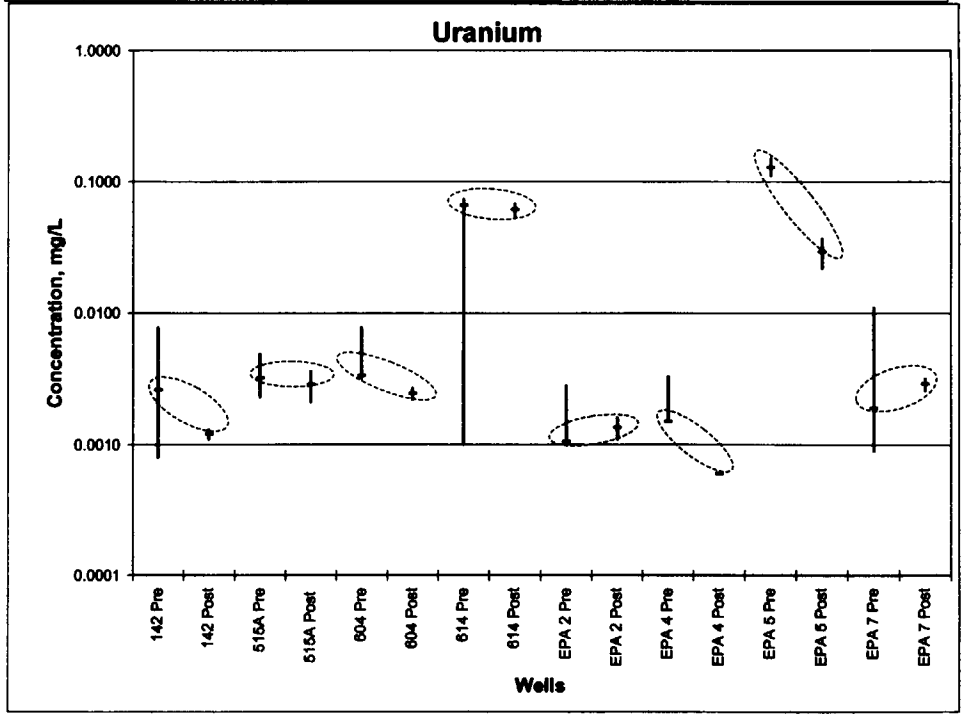


Figure 5 - Zone 1 Comparison of Data From Pumping and Low Flow Sampling

APPENDIX A

MASS EXTRACTION CALCULATIONS

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A.5 (Not used for 2000 Report)	Zone 1
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APPENDIX A

MASS EXTRACTION CALCULATIONS

1.0 INTRODUCTION

This appendix presents the methodology used to calculate the mass of hazardous constituents removed by the pump-back and corrective action systems at United Nuclear Corporation's (United Nuclear's) Church Rock Site. Calculations for the mass extracted during the 2000 operating year are presented in detail, and a summary of the mass extracted for the 11-year period from 1989 to 2000 is provided. Detailed calculations for mass extracted during previous years are presented in Appendix B of the 1991 Annual Review [Canonie Environmental Services Corp. (Canonie), 1991], and Appendix A of the 1992, 1993, 1994, 1995, 1996, 1997, 1998, and 1999 Annual Reviews [Canonie, 1992b, 1993b and 1995; Smith Technology Corporation (Smith Technology), 1995 and 1996; Rust Environment and Infrastructure (Rust), 1997; and Earth Tech, Inc. (Earth Tech), 1998 and 1999]. Because the information shown on the figures (Zone 3 monitoring well areas of influence, and Zone 1 and Southwest Alluvium well locations) remains essentially unchanged in the last three years, the figures from the 1997 Annual Review (Rust, 1997) are reproduced in this appendix to the 2000 Annual Review. The mass extraction calculations were made for the following three areas where tailings seepage has been identified and extracted:

1. Zone 3 of the Upper Gallup Sandstone, located northeast of the North Cell of the tailings impoundment. The extraction system in Zone 3 included the three remaining Stage II wells (716, 717 and 718). Figure A-1 shows the locations of the Zone 3 Target Area, the seepage-impacted area, and the extraction well systems that were operating in 1989 and in 1997/2000.

2. Zone 1 of the Upper Gallup Sandstone, located north and east of Borrow Pit No. 2, which was previously used to store tailings solution and neutralized seepage. The Zone 1 corrective action system wells (615, 616 and 617) were decommissioned at the end of July 1999, in accordance with the letter from Nuclear Regulatory Commission (NRC) dated July 30, 1999. Therefore, no mass extraction calculations

were performed and the associated figure (A-2) and tables (A.4, A.5 and A.6) are not included in this appendix.

3. The Southwest Alluvium, located southwest of the South Cell of the tailings impoundment. Extraction wells in the Southwest Alluvium include Wells 801, 802, 803 and 808. Figure A-3 shows the locations of the Southwest Alluvium Target Area and the extraction wells. Well 801 was decommissioned at the end of July 1999 and so is not included in the calculations.

Section 2.0 presents the general methodology used to calculate the mass extracted for the three zones. Sections 3.0, 4.0 and 5.0 present specific methodologies and assumptions that were used for individual systems. The term "mass extracted" as it is used in this report refers to the extraction of both mass and radioactivity.

2.0 GENERAL METHODOLOGY

The mass of hazardous constituents extracted for each system was, with one exception, calculated by multiplying the volumes of water pumped (as reported by United Nuclear) by the average constituent concentrations in water from the extraction wells or nearby monitoring wells. The one exception was the Zone 3 calculation where limited water quality data near the extraction wells made this methodology inappropriate. Mass extracted from Zone 3 is calculated by subtracting the estimated mass present in 2000 from the estimated mass present at the start of the corrective action.

The calculation of mass extracted was performed only for those constituents determined to be present in each remedial action target area in hazardous concentrations. This included all constituents consistently present in the target area in concentrations exceeding NRC standards and/or U.S. Environmental Protection Agency (EPA) applicable or relevant and appropriate requirements (ARARs) during the initial four years of corrective action (i.e., the initial 16 quarterly sampling events). The term "consistently present" was defined as a constituent being present in at least:

1. Two target area monitoring wells during a minimum of 30 percent of the sampling events in concentrations exceeding agency standards, or

2. One target area monitoring well for more than 50 percent of the sampling events in concentrations of more than twice the agency standards.

The two criteria listed above for being "consistently present" were effective in focusing the extraction calculations on the constituents that are of greatest concern within a specified target area while excluding those constituents that show only sporadic or localized exceedences.

Current EPA ARARs for nitrate as nitrogen [30 milligrams per liter (mg/L)] and sulfate (2,160 mg/L) were used in previous calculations to define hazardous concentrations within the target areas. However, the Background Water Quality Report (BWQ Report) (Canonie, 1992a) and the Statistical Analysis Report (Canonie, 1993a) showed that alluvial background

concentrations for these two constituents exceeded their respective ARARs. Therefore, a portion of the calculated mass extracted for nitrate and sulfate will be background mass rather than tailings seepage mass. Based on recommendations by the NRC (June 1996) and the New Mexico Environmental Department (NMED) (January 1998), background standards have been revised for nitrate as nitrogen (190 mg/L) and sulfate (2,125 mg/L). These revised standards were used in calculations to define hazardous concentrations within target areas.

Total dissolved solids (TDS) are present in concentrations exceeding the ARARs, but are not included in the mass calculations because TDS are composed of other constituents that are calculated. Consequently, calculation of mass removed for TDS would be redundant.

Constituent concentrations reported as being "less than" a specified laboratory measuring capability were assumed to be equal to zero for the purpose of calculating the mass extracted. Units of pounds, tons and microCuries proved to be the most convenient for expressing the mass or radioactivity extracted. The conversion factors are: 1 mg/L = 8.35×10^{-6} lbs/gal = 4.18×10^{-9} tons/gal and 1 pCi/L = 3.79×10^{-6} µCi/gal where:

mg/L = milligrams per liter
lbs/gal = pounds per gallon
tons/gal = tons per gallon
pCi/L = picoCuries per liter
µCi/gal = microCuries per gallon

3.0 ZONE 3 MASS EXTRACTION

Mass extraction for Zone 3 was calculated for the mass extraction area for the period from August 1989 (i.e., Stage I system startup) to the third quarter of 2000. The mass extraction area comprises the original Remedial Action Target Area, the area downgradient from the target area which was subsequently impacted by tailings seepage resulting from plume migration, and the area covered by monitoring wells located outside the seepage impacted area but within the influence of the ground water extraction wells.

Note that in the annual reports for 1991 through 1994, mass extraction was calculated only for the target area defined in the Remedial Design Report (Canonie, 1989a). Using this method has become impractical because most of the original target area has been dewatered, and the monitoring wells remaining within the target area represent only a small part of the area undergoing remediation. Also, the area impacted by seepage has shifted northward as a consequence of the natural down-dip migration of the water as well as the operation of the ground water extraction systems. The method employed in this annual review allows for an improved estimate of the actual mass of constituents extracted by the Zone 3 remediation system.

As discussed in Section 2.0 of this appendix, the calculations of Zone 3 mass extraction use the volume of water in the mass extraction area rather than the volume of water pumped from the extraction wells. This method is used because, as shown on Figure A-1, most of the extraction wells are located outside the original Remedial Action Target Area and most of the monitoring wells within the target area are located more than 300 feet from the nearest extraction wells. As a result, assignment of water quality from the monitoring wells to distant extraction wells may not be representative of actual conditions.

Review of Table A.1 shows that the constituents consistently present within the Zone 3 target area during the first 16 quarters of operation of the remedial action system are sulfate (SO_4), nitrate as nitrogen (NO_3-N), aluminum (Al), arsenic (As), beryllium (Be), cobalt (Co), lead (Pb), manganese (Mn), molybdenum (Mo), nickel (Ni), uranium (U), lead-210 (Pb-210), gross alpha, chloroform, and combined radium-226 (Ra-226) and radium-228 (Ra-228). Arsenic and molybdenum are found in higher concentrations outside of the Zone 3 seepage-impacted

area, and their presence is believed to be related to background conditions rather than tailings seepage. Elevated nitrate concentrations are also believed to be related to background conditions because they are only found at two target area wells, Wells 106D and 517, both of which are located in the region of alluvial recharge.

The calculation of mass extraction from Zone 3 consists of estimating the mass of constituents that were present in the mass extraction area prior to the start of remediation in the third quarter of 1989, and the mass present as of the third quarter of 2000. The difference between the 1989 and 2000 mass values equals the mass extracted by the remediation system.

The mass of constituents present in Zone 3 is calculated by estimating the volume of water and multiplying the volume by the reported constituent concentrations. The volume of water is equal to the saturated thickness of Zone 3 measured at the monitoring wells, multiplied by the well's area of influence. Areas of influence are shown on Figure A-1. The boundaries of each area of influence are located equidistant between monitoring wells. This means that a point within an area of influence is closer to the monitoring well representing that area than to any other monitoring well. The formation is assumed to have a porosity of 10 percent for purposes of estimating the volume of water.

Because the extraction system has been dewatering Zone 3, the mass extraction area is considerably smaller in 2000 than it was in 1989. As a result, as shown on Figure A-1, several of the monitoring well areas of influence have been reconfigured. This is because the eastern part of Zone 3 (represented in 1989 by Wells EPA 3, EPA 12, EPA 17 and EPA 18) has been completely dewatered, there is insufficient saturation of Zone 3 to collect samples from Well 501B, and the water table has dropped below the screened zone of Wells 9 D and 106 D. In addition, several other monitoring well areas of influence changed in the 2000 operating year as a result of changes in the monitoring program implemented in the second quarter of 2000 under the revised monitoring program. The 2000 mass extraction areas have been reconfigured as follows:

- The areas represented in 1989 by Wells 9 D and 106 D are represented in 2000 by Well 517. This results in a conservative estimate of mass removal because the areas

containing high concentrations of constituents of concern, represented by the water quality in Well 517, are larger in 2000 than they were in 1989.

- The areas of influence of several monitoring wells located along the eastern boundary of saturation have been increased to incorporate parts of Zone 3 which still contain some saturated thickness but were previously represented by monitoring wells that have gone dry. For example, the area of influence of Well 504 B was increased to incorporate the remaining saturated portion of the area of influence of Well EPA 12.

- Well EPA 15 has gone dry. The area formerly calculated using data from Well EPA 15 has been divided among the areas of the surrounding monitoring wells.

- Well 518 was eliminated from the monitoring program in 2000. The area represented by Well 518 was added to the area covered by Well 517. The mass extraction was calculated using the combined areas for Wells 517 and 518, and the saturated thickness and water quality for Well 517.

- Well 711 was added to the monitoring program in 2000 to replace Well 502 B. The mass extraction was calculated using the area of influence for Well 502 B plus the saturated thickness and water quality for Well 711.

- Well EPA 13 was converted to use for water level monitoring only in 2000. The area of influence for Well EPA 13 was added to the area for Well 711 (formerly Well 502 B). The mass extracted was calculated using the combined areas for Wells 711 and EPA 13 plus the saturated thickness and water quality for Well 711.

Table C.1 of Appendix C lists the water quality data, Table A.2 lists the saturated thickness values and Figure A-1 shows the areas of monitoring well influence. The constituent concentrations at each well were based on the water quality data obtained from the specified quarterly monitoring event. For the purposes of the calculation, the water quality data were modified by replacing the values that were reported as less than the detection limit with a value of zero.

Table A.3 summarizes the calculation results. Only the constituents that met "consistently present" criteria are included in the table.

4.0 ZONE 1 MASS EXTRACTION

No mass extraction calculations were completed for Zone 1 because the system was decommissioned at the end of July 1999. Therefore, Figure A-2 and Tables A.4 through A.6 are not included in the appendix.

5.0 SOUTHWEST ALLUVIUM MASS EXTRACTION

Mass extraction for the Southwest Alluvium was calculated for each of the three extraction wells (802, 803 and 808) that compose this system by multiplying the volume pumped by the constituent concentrations. The total mass extracted for the system is determined by averaging the mass extracted at each individual well.

Review of Table A.7 shows that the constituents consistently present within the Southwest Alluvium target area were SO_4, chloride (Cl), NO_3-N, Mn, Ni, chloroform, and Pb-210. Although Pb-210 met the criterion for being consistently present in the target area, its erratic occurrence in the alluvium (both within and outside of the target area) indicates that its presence is not related to tailings seepage. The constituents SO_4, Cl and NO_3-N, as discussed in the BWQ Report (Canonie, 1992a), are present in elevated concentrations in the background water which probably accounts for a significant portion of their target area concentrations also. Of the remaining three constituents (Mn, Ni and chloroform), chloroform is present in concentrations exceeding the EPA and NRC standards at all extraction wells.

The mass extracted by an individual well was calculated by multiplying the well pumping rate by the average concentration of the identified constituents at each well. The volume of water pumped by individual wells was determined by prorating the total volume of water pumped by the individual pumping rates. The total mass removed is the average constituent concentration for the system multiplied by the total volume pumped. Table A.8 presents the mass extracted for the 2000 operating year (September 26, 1999, to September 29, 2000). The average concentrations are based on the quarterly water quality data for Wells 802 and 803, which are presented in Table B.1 of Appendix B. Well 808, which is not monitored for water quality, is assumed to have constituent concentrations equal to an average of Wells 802 and 803 because of its location midway between these two wells.

Table A.9 summarizes the mass extracted in the Southwest Alluvium from the start of remediation in October 1989 through September 2000. The mass extracted during these years is calculated in the same manner as for the 1999 operating year. Details of these calculations are presented in the previous annual reviews (Canonie, 1991, 1992b, 1993b, and 1995; Smith Technology, 1995 and 1996; Rust, 1997; and Earth Tech, 1998 and 1999).

TABLES

TABLE A.1

DETERMINATION OF CONSTITUENTS CONSISTENTLY PRESENT IN THE ZONE 3 TARGET AREA

Constituent	Exceedences of Standards (Jul. 89 - Apr. 93)	Target Area Well No.											Consistently Present
		106 D	9 D	518	517	502 B	501 B	EPA 9	EPA 13	EPA 3	EPA 17	EPA 18	
Cl	Rate	0-9	0-12	0-16	0-16	0-16	0-16	0-16	0-16	0-10	0-12	0-16	
	Percentage	0	0	0	0	0	0	0	0	0	0	0	
NO_3 as N	Rate	9-9	0-12	0-16	14-16	4-16	0-16	0-16	0-16	0-10	0-12	0-16	Yes
	Percentage	100	0	0	88	25	0	0	0	0	0	0	
SO_4	Rate	9-9	12-12	16-16	15-16	16-16	16-16	16-16	16-16	10-10	12-12	16-16	Yes
	Percentage	100	100	100	94	100	100	100	100	100	100	100	
Al	Rate	5-9	12-12	16-16	0-16	12-16	16-16	1-16	0-16	0-10	0-12	0-16	Yes
	Percentage	56	100	100	0	100	100	6	0	0	0	0	
As	Rate	0-9	0-12	0-16	0-16	2-16	2-16	0-16	8-16	0-10	5-12	0-16	Yes
	Percentage	0	0	0	0	13	13	0	50	0	42	0	
Be	Rate	0-9	3-12	11-16	1-16	7-16	9-16	1-16	0-16	0-10	0-12	0-16	Yes
	Percentage	0	25	69	6	44	56	6	0	0	0	0	
Cd	Rate	0-9	3-12	6-16	0-16	1-16	2-16	1-16	1-16	0-10	1-12	0-16	No
	Percentage	0	25	38	0	6	13	6	6	0	8	0	
Co	Rate	8-9	12-12	16-16	8-16	16-16	16-16	14-16	16-16	2-10	2-12	16-16	Yes
	Percentage	89	100	100	50	100	100	88	100	20	17	100	
Pb	Rate	1-9	10-12	2-16	1-16	0-16	2-16	0-16	1-16	1-10	0-11	0-16	Yes
	Percentage	11	83	13	6	0	13	0	6	10	0	0	
Mn	Rate	9-9	12-12	16-16	10-16	16-16	16-16	16-16	16-16	10-10	12-12	16-16	Yes
	Percentage	100	100	100	63	100	100	100	100	100	100	100	
Mo	Rate	0-9	0-12	0-16	0-16	12-16	0-16	0-16	2-16	0-10	0-12	0-16	Yes
	Percentage	0	0	0	0	75	0	0	13	0	0	0	
Ni	Rate	8-9	12-12	16-16	9-16	15-16	16-16	14-16	16-16	0-10	12-12	16-16	Yes
	Percentage	89	100	100	56	94	100	88	100	0	100	100	
Se	Rate	2-9	1-12	0-16	2-16	0-16	0-16	0-16	0-16	0-10	0-12	0-16	No
	Percentage	22	8	0	13	0	0	0	0	0	0	0	
V	Rate	0-9	0-12	11-16	0-16	0-16	0-16	0-16	0-16	0-10	0-12	0-16	No
	Percentage	0	0	69	0	0	0	0	0	0	0	0	
U	Rate	0-9	0-12	12-16	0-16	7-16	10-16	0-16	0-16	0-10	0-12	0-16	Yes
	Percentage	0	0	75	0	44	63	0	0	0	0	0	
Pb-210	Rate	4-9	6-12	9-16	5-16	8-16	9-16	3-16	5-16	1-10	2-12	5-16	Yes
	Percentage	44	50	56	31	50	56	19	31	10	17	31	
Combined Ra-226, Ra-22	Rate	8-9	10-12	16-16	16-16	15-16	16-16	15-16	15-16	0-10	7-12	16-16	Yes
	Percentage	89	83	100	100	94	100	94	94	0	58	100	
Th-230	Rate	0-9	0-12	7-16	0-16	1-16	2-16	1-16	1-16	0-10	1-12	1-16	No
	Percentage	0	0	44	0	6	13	6	6	0	8	6	
Gross Alpha	Rate	1-9	2-12	5-16	1-16	5-16	4-16	0-16	0-16	0-10	0-12	0-16	Yes
	Percentage	11	17	31	6	31	25	0	0	0	0	0	
Chloroform	Rate	8-9	0-12	16-16	9-16	0-16	0-16	0-16	0-16	0-10	0-12	0-16	Yes
	Percentage	89	0	100	56	0	0	0	0	0	0	0	
Cyanide	Rate	0-9	0-12	0-16	0-16	0-16	0-16	0-16	0-16	0-10	0-12	0-16	No
	Percentage	0	0	0	0	0	0	0	0	0	0	0	
Naphthalene	Rate	0-9	0-12	0-16	0-16	0-16	0-16	0-16	1-16	0-10	0-12	0-16	No
	Percentage	0	0	0	0	0	0	0	6	0	0	0	

Notes

1. "Rate" refers to the number of samples with exceedences of the EPA/NRC standards for the site compared to the total number of samples collected during the period from July 1989 to April 1993 (i.e., 16 sampling events)
2. "Percentage" refers to the percentage of exceedences and is calculated by dividing the number of exceedences by the total number of samples, then multiplying by 100.
3. Shading indicates an exceedence of 30 percent or greater
4. Cadmium, vanadium and thorium-230 do not meet Criterion 1 or 2 for being consistently present
5. Lead and molybdenum meet Criterion 2 for being consistently present

TABLE A.2

ZONE 3 MASS EXTRACTION AREAS
1989 AND 2000

Well No.	1989			2000			Percent Change		
	Area of Influence (sq ft)	Saturated Thickness (ft)	Ground Water Volume (gal)	Area of Influence (sq ft)	Saturated Thickness (ft)	Ground Water Volume (gal)	Area of Influence (sq ft)	Saturated Thickness (ft)	Ground Water Volume (gal)
9 D	383,333	19.6	5,619,968		(a)			(a)	
106 D	204,709	11.8	1,806,844		(a)			(a)	
420	286,887	56.3	12,081,500	357,120	21.6	5,769,916	24%	-62%	-52%
501 B	259,296	20.2	3,917,859	0	0.0	0	-100%	-100%	-100%
502 B	286,887	48.5	10,407,687	0	21.5	0	NA	NA	NA
504 B	354,796	40.1	10,642,035	462,110	13.3	4,597,255	30%	-67%	-57%
517 (b)	243,420	42.7	7,774,737	1,043,250	14.3	11,159,019	329%	-67%	44%
518	185,312	37.2	5,156,418	0	0.0	0	NA	NA	NA
711 (c)	0	0.0	0	404,240	21.5	6,500,988	NA	NA	NA
EPA 3	279,730	8.3	1,736,676	0	0.0	0	-100%	-100%	-100%
EPA 9	853,772	8.1	5,172,834	235,156	4.9	861,894	-72%	-40%	-83%
EPA 12	433,877	10.7	3,472,578	0	0.0	0	-100%	-100%	-100%
EPA 13	336,255	27.2	6,841,310	271,970	11.6	2,359,829	-19%	-57%	-66%
EPA 14	252,561	76.3	14,414,262	388,530	39.7	11,537,631	54%	-48%	-20%
EPA 15	368,460	60.8	16,756,971	0	0.0	0	-100%	-100%	-100%
EPA 17	104,163	1.4	109,079	0	0.0	0	-100%	-100%	-100%
EPA 18	186,826	2.5	349,365	0	0.0	0	-100%	-100%	-100%
TOTAL	**5,020,284**	**471.7**	**106,260,123**	**3,162,376**	**148.4**	**42,786,533**	**-37%**	**-69%**	**-60%**

Notes:

Ground water volume is equal to 10% of the formation volume, i.e., assumes 10% porosity.

a. Zone 3 is still partially saturated below the screened zones of Wells 9D and 106D. These areas of influence are now represented by Well 517.

b. For the 2000 year calculation, Well 517 covers the area represented by Well 518 also because Well 518 was eliminated from the monitoring program in 2nd Quarter 2000. The mass was calculated using the two areas combined and the water quality and saturated thickness for Well 517.

c. Well 711 replaces Well 502B because Well 502B was eliminated from the monitoring program in 2nd Quarter 2000.

TABLE A.3

ZONE 3 MASS EXTRACTION 1989 TO 2000

Well	Mass Present, 1989														
	SO_4 (tons)	NO_3 as N (lbs)	Al (lbs)	As (lbs)	Be (lbs)	Co (lbs)	Pb (lbs)	Mn (lbs)	Mo (lbs)	Ni (lbs)	U (lbs)	Ra-226 + Ra-228 (µCi)	Pb-210 (µCi)	Gross Alpha (µCi)	Chloro-form (lbs)
9 D	118.7	117.3	2,017.8	0.00	0.00	30.50	3.75	656.97	0.00	40.36	0.36	155.49	95.85	374.9	0.00
106 D	22.1	1,010.8	120.7	0.00	0.00	2.26	0.00	181.05	0.00	3.92	0.04	95.19	15.07	154.1	0.00
420	65.2	6,052.8	0.0	1.21	0.00	0.00	0.00	141.23	918.01	0.00	2.96	416.68	73.26	311.4	0.00
501 B	66.6	6.9	3,271.4	7.98	4.25	35.99	2.62	392.57	3.60	58.89	19.96	491.49	0.00	1,429.9	0.00
502 B	143.3	2,607.1	191.2	0.09	0.00	22.60	0.00	599.64	808.21	20.86	4.72	678.46	90.72	1,203.1	0.00
504 B	134.5	4.4	22.2	10.04	0.00	12.44	0.00	222.15	2,132.66	21.33	8.89	1,306.80	0.00	2,666.0	0.00
517	67.5	2,531.8	0.0	0.00	0.00	0.00	0.00	37.65	9.09	0.00	16.36	630.58	61.88	1,299.5	0.07
518	144.8	947.2	18,083.6	0.04	6.89	73.20	4.74	1,765.30	0.00	81.81	36.25	801.26	80.13	2,345.1	1.85
EPA 03	24.3	0.3	0.0	0.04	0.00	0.44	1.02	81.21	0.00	0.00	0.15	9.87	0.00	28.3	0.00
EPA 09	77.7	3.0	9.5	0.00	0.00	5.18	0.00	194.37	0.00	3.89	0.09	131.35	41.17	80.4	0.00
EPA 12	45.7	0.6	0.0	0.03	0.00	3.19	0.00	118.88	220.37	8.70	0.05	109.24	0.00	93.4	0.00
EPA 13	98.7	805.5	12.0	0.40	0.00	26.85	0.00	354.17	85.69	33.70	0.34	230.76	70.01	137.4	0.00
EPA 14	127.0	2,034.1	95.1	0.00	0.00	4.81	0.00	75.83	0.00	6.02	2.00	349.63	0.00	174.8	0.00
EPA 15	104.0	1,847.0	0.0	0.00	0.00	0.00	0.00	181.90	69.96	0.00	5.71	469.97	82.56	139.7	0.00
EPA 17	2.1	0.1	0.2	0.20	0.00	0.07	0.00	6.28	1.09	0.22	0.05	2.81	0.50	6.0	0.00
EPA 18	5.8	0.2	0.0	0.02	0.00	0.55	0.00	19.55	0.15	0.67	0.09	16.68	0.00	10.6	0.00
TOTAL	1,248.2	17,969.2	23,823.7	20.06	11.14	218.08	12.12	5,028.75	4,248.83	280.35	98.01	5,896.25	611.14	10,454.6	1.92

Well	Mass Present, 2000														
	SO_4 (tons)	NO_3 as N (lbs)	Al (lbs)	As (lbs)	Be (lbs)	Co (lbs)	Pb (lbs)	Mn (lbs)	Mo (lbs)	Ni (lbs)	U (lbs)	Ra-226 + Ra-228 (µCi)	Pb-210 (µCi)	Alpha (µCi)	CHL (lbs)
420	41.9	1,599.5	2.4	0.02	0.24	0.24	0.00	97.80	10.12	1.20	2.10	72.16	0.00	61.2	0.024
711 [502 B (a)]	158.5	4.5	4.5	0.05	0.45	0.45	1.00	761.85	9.99	2.27	5.57	416.28	1.00	585.3	0.045
504 B	66.0	1.9	8.1	0.96	0.19	11.52	0.00	237.23	514.39	15.74	1.91	595.89	0.00	365.9	0.019
517	132.8	368.1	950.4	0.05	0.47	51.25	0.00	665.29	4.66	34.48	6.16	960.04	0.00	1,129.2	0.475
518															
EPA 09	13.9	0.4	20.2	0.01	0.04	1.22	0.00	35.26	0.36	0.94	0.01	68.92	0.00	44.1	0.004
EPA 13 [(711) (b)]															
EPA 14	123.3	2,215.8	4.8	0.19	0.48	17.34	0.00	420.04	4.82	2.41	5.11	424.16	0.00	236.1	0.048
TOTAL	536.4	4,190.2	990.4	1.28	1.87	82.02	1.00	2,217.48	544.33	57.03	20.85	2,537.45	1.0	2421.8	0.62
Change	**-57%**	**-77%**	**-96%**	**-94%**	**-83%**	**-62%**	**-92%**	**-56%**	**-87%**	**-80%**	**-79%**	**-57%**	**-100%**	**-77%**	**-68%**

Note

a. Well 711 replaced Well 502 B beginning 2nd Quarter 2000. The mass of constituents present in the Well 501 B area of influence is calculated using water quality data from Well 711

b. Well EPA 13 was changed to water level monitoring only as of 2nd Quarter 2000. The mass of constituents present in the Well EPA 13 area of influence was calculated using the water quality from Well 711 and adding the area of influence of Well EPA 13 to that covered by Well 711

ZONE 1
TABLE A.4
NOT INCLUDED

ZONE 1
TABLE A.5
NOT INCLUDED

ZONE 1
TABLE A.6
NOT INCLUDED

TABLE A.7

DETERMINATION OF CONSTITUENTS CONSISTENTLY PRESENT IN THE SOUTHWEST ALLUVIUM TARGET AREA

Constituent	Exceedences of Standards (Oct. 89 - Jul. 93)	Target Area Well No. 801	802	803	632	GW 1	GW 2	GW 3	EPA 28	Consistently Present
Cl	Rate	6-16	0-16	0-16	14-16	0-16	0-16	0-16	0-16	Yes
	Percentage	38	0	0	88	0	0	0	0	
NO_3 as N	Rate	4-16	16-16	12-16	16-16	16-16	14-16	16-16	16-16	Yes
	Percentage	25	100	75	100	100	88	100	100	
SO_4	Rate	16-16	16-16	16-16	16-16	13-16	16-16	0-16	16-16	Yes
	Percentage	100	100	100	100	81	100	0	100	
Al	Rate	0-16	0-16	0-16	0-16	0-16	0-16	0-16	0-16	No
	Percentage	0	0	0	0	0	0	0	0	
As	Rate	0-16	0-16	0-16	0-16	0-16	0-16	0-16	0-16	No
	Percentage	0	0	0	0	0	0	0	0	
Be	Rate	0-16	0-16	0-16	0-16	0-16	0-16	0-16	0-16	No
	Percentage	0	0	0	0	0	0	0	0	
Cd	Rate	0-16	1-16	0-16	0-16	0-16	2-16	0-16	0-16	No
	Percentage	0	6	0	0	0	13	0	0	
Co	Rate	14-16	0-16	0-16	0-16	0-16	0-16	0-16	0-16	No
	Percentage	88	0	0	0	0	0	0	0	
Pb	Rate	0-15	0-15	0-15	0-16	0-16	1-16	0-16	0-15	No
	Percentage	0	0	0	0	0	6	0	0	
Mn	Rate	16-16	0-16	0-16	0-16	0-16	0-16	0-16	0-16	Yes
	Percentage	100	0	0	0	0	0	0	0	
Mo	Rate	0-16	0-16	0-16	0-16	0-16	0-16	0-16	0-16	No
	Percentage	0	0	0	0	0	0	0	0	
Ni	Rate	13-16	0-16	0-16	1-16	0-16	0-16	1-16	0-16	Yes
	Percentage	81	0	0	6	0	0	6	0	
Se	Rate	0-16	0-16	0-16	1-16	0-16	0-16	1-16	1-16	No
	Percentage	0	0	0	6	0	0	6	6	
V	Rate	0-16	0-16	0-16	0-16	0-16	0-16	0-16	0-16	No
	Percentage	0	0	0	0	0	0	0	0	
U	Rate	0-16	0-16	0-16	0-16	0-16	0-16	2-16	0-16	No
	Percentage	0	0	0	0	0	0	13	0	
Pb-210	Rate	4-16	5-16	1-16	4-16	8-16	4-16	4-16	4-16	Yes
	Percentage	25	31	6	25	50	25	25	25	
Combined Ra-226, Ra-228	Rate	1-16	1-16	0-16	3-16	0-16	1-16	0-16	0-16	No
	Percentage	6	6	0	19	0	6	0	0	
Th-230	Rate	0-16	0-16	0-16	0-16	0-16	1-16	0-16	0-16	No
	Percentage	0	0	0	0	0	6	0	0	
Gross Alpha	Rate	0-16	0-16	0-16	0-16	0-16	0-16	0-16	0-16	No
	Percentage	0	0	0	0	0	0	0	0	
Chloroform	Rate	14-16	1-16	0-16	0-16	0-16	0-16	0-16	0-16	Yes
	Percentage	88	6	0	0	0	0	0	0	
Cyanide	Rate	0-16	0-16	0-16	0-16	0-16	0-16	0-16	0-16	No
	Percentage	0	0	0	0	0	0	0	0	
Naphthalene	Rate	0-16	0-16	0-16	0-16	0-16	0-16	0-16	0-16	No
	Percentage	0	0	0	0	0	0	0	0	

Notes:

1. "Rate" refers to the number of samples with exceedences of the EPA/NRC standards for the site compared to the total number of samples collected during the period from October 1989 to July 1993 (i.e., 16 sampling events)
2. "Percentage" refers to the percentage of exceedences and is calculated by dividing the number of exceedences by the total number of samples, then multiplying by 100.
3. Shading indicates an exceedence percentage of 30 percent or greater.
4. Cobalt does not meet Criterion 1 or 2 for being consistently present. Manganese, nickel and chloroform meet Criterion 2 for being consistently present at Well No. 801

TABLE A.8

SOUTHWEST ALLUVIUM MASS EXTRACTION
OCTOBER 1999 - SEPTEMBER 2000

Average Concentration of Extracted Water

		SO_4 (mg/l)	Cl (mg/l)	NO_3 as N (mg/l)	Mn (mg/l)	Ni (mg/l)	Chloroform (mg/l)	Pb-210 (pCi/l)
	NRC Standard	NA	NA	NA	NA	0.05	0.001	1
	EPA Standard	2,125	250	190	2.6	0.20	NA	NA
Well No.	**Gallons Extracted**							
801	0	4,485	216	18.5	19.85	0.00	0.0025	0.00
802	4,785,638	2,958	184	79.8	1.75	0.05	0.0015	0.00
803	1,960,177	3,035	174	48.4	1.88	0.05	0.0017	0.00
808	905,416	2,996	179	64.1	1.82	0.05	0.0016	0.00
Total	7,651,231	2,982	181	69.9	1.79	0.05	0.00156	0.00

Mass/Radioactivity Extracted

Well No.	Gallons Extracted	SO_4 (lbs)	Cl (lbs)	NO_3 as N (lbs)	Mn (lbs)	Ni (lbs)	Chloroform (lbs)	Pb-210 (µCi)
801	0	0	0	0	0.0	0.00	0.000	0.00
802	4,785,638	118,182	7,363	3,188	69.8	2.00	0.060	0.00
803	1,960,177	49,675	2,848	792	30.8	0.82	0.028	0.00
808	905,416	22,652	1,354	484	13.7	0.38	0.012	0.00
Total	7,651,231	190,510	11,565	4,464	114.4	3.19	0.100	0.00

Notes:
1. All averages are weighted averages (i.e., average = mass/volume).
2. Average concentration is shaded where NRC and/or EPA standard is exceeded.
3. Conversion factors are 1 mg/l = 8.35 x 10-6 lbs/gal and 1 pCi/l = 3.79 x 10-6 µCi/gal.

TABLE A.9

SOUTHWEST ALLUVIUM MASS EXTRACTION
1990 - 2000

Average Concentration

		SO4 (mg/L)	Cl (mg/L)	NO3 as N (mg/L)	Mn (mg/L)	Ni (mg/L)	Chloroform (mg/L)	Pb-210 (pCi/l)
	NRC Standard	NA	NA	NA	NA	0.05	0.001	1
	EPA Standard	2,125	250	190	2.6	0.20	NA	NA
Date	Gallons Extracted							
1990	7,400,000	2,695	213	105	2.26	0.01	0.0004	0.76
1991	12,400,000	2,713	217	112.6	1.20	0.01	0.0001	1.22
1992	17,200,000	2,698	211	78.5	1.00	0.001	0.00005	0.44
1993	18,100,000	2,897	212	72.3	0.88	0.0004	0.00003	0.24
1994	15,700,000	3,181	196	70.2	0.95	0.0006	0.00003	0.50
1995	12,935,534	3,204	221	67.2	1.00	0.0003	0.00002	1.04
1996	12,172,658	3,251	206	66.9	0.91	0.0000	0.00044	1.08
1997	9,191,166	3,133	239	63.7	1.17	0.0002	0.00002	0.01
1998	9,000,854	3,088	220	71.9	1.38	0.0009	0.00058	0.00
1999	7,533,665	3,189	201	70.6	1.40	0.0000	0.00087	0.00
2000	7,651,231	2,982	181	69.9	1.79	0.0500	0.00156	0.00
TOTAL 1990-2000	129,285,108	2,992	211	76.7	1.17	0.0049	0.00027	0.52

Mass/Radioactivity Extracted

Date	Gallons Extracted	SO_4 (lbs)	Cl (lbs)	NO_3 (lbs)	Mn (lbs)	Ni (lbs)	Chloroform (lbs)	Pb-210 (µCi)
1990	7,400,000	165,524	13,161	6,488	139.1	0.62	0.0247	21.20
1991	12,400,000	280,904	22,468	11,659	124.0	1.04	0.0104	57.40
1992	17,200,000	387,487	30,304	11,274	141.7	0.14	0.0072	28.80
1993	18,100,000	437,838	32,041	10,927	133.7	0.06	0.0045	16.59
1994	15,700,000	417,013	25,743	9,203	124.6	0.08	0.0033	32.30
1995	12,900,000	346,070	23,871	7,258	107.6	0.03	0.0018	51.15
1996	12,300,000	330,457	21,924	6,798	93.5	0.00	0.0440	50.28
1997	9,191,166	240,447	18,343	4,892	90.0	0.01	0.0010	0.32
1998	9,000,854	232,098	16,554	5,400	104.0	0.07	0.0433	0.00
1999	7,533,665	200,616	12,630	4,440	88.2	0.00	0.0548	0.00
2000	7,651,231	190,510	11,565	4,464	114.4	3.19	0.0999	0.00
TOTAL 1990-2000	129,285,108	3,229,964	227,603	82,803	1261.7	5.25	0.2956	254.76

Notes:
1. All averages are weighted averages (i.e., average = mass/volume).
2. Average concentration is shaded where NRC and/or EPA standard is exceeded.
3. Conversion factors are 1 mg/L = 8.35 x 10-6 lbs/gal and 1 pCi/L = 3.79 x 10-6 µCi/gal.

FIGURES

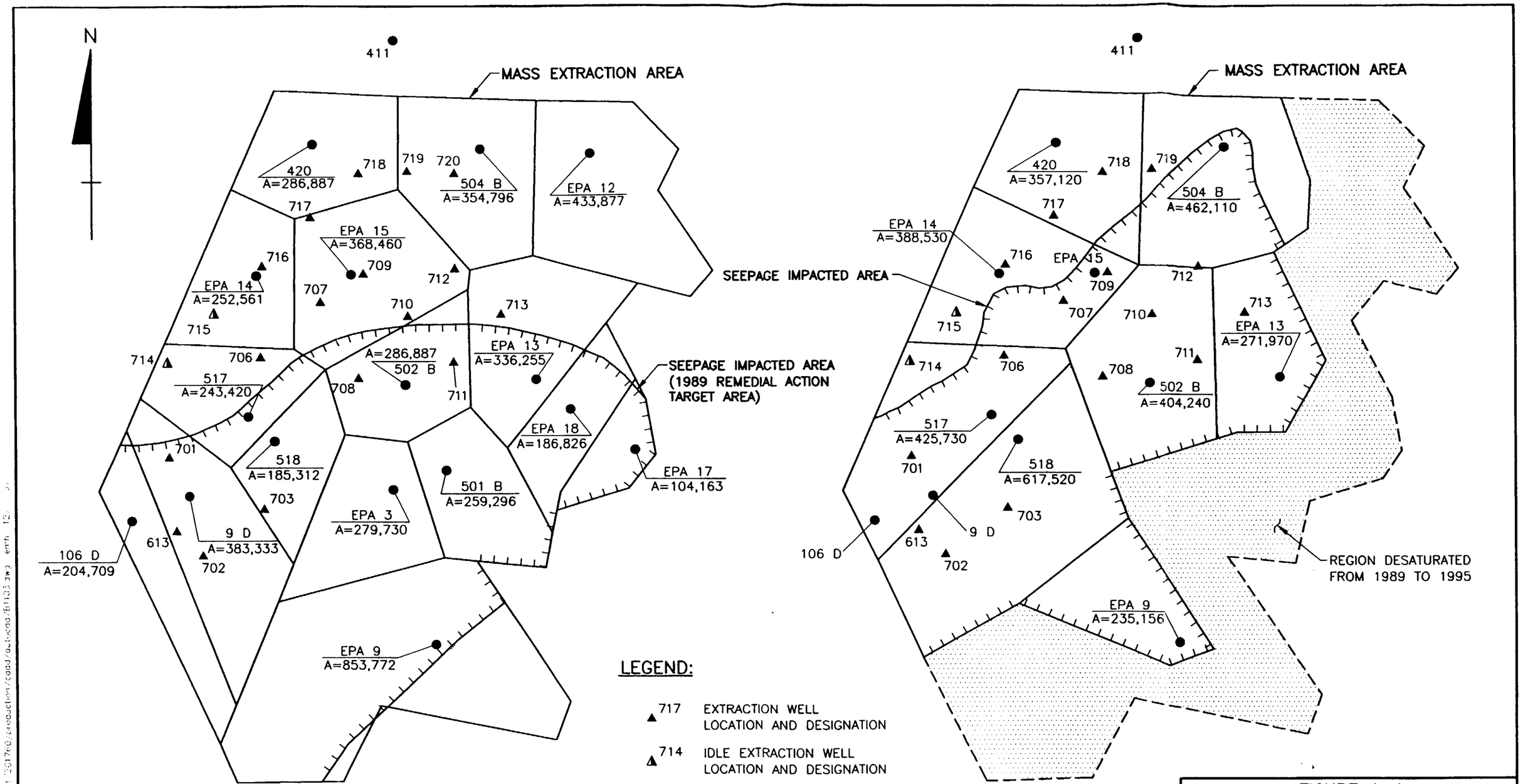


FIGURE A-1
ZONE 3 MONITORING
WELL AREAS OF INFLUENCE

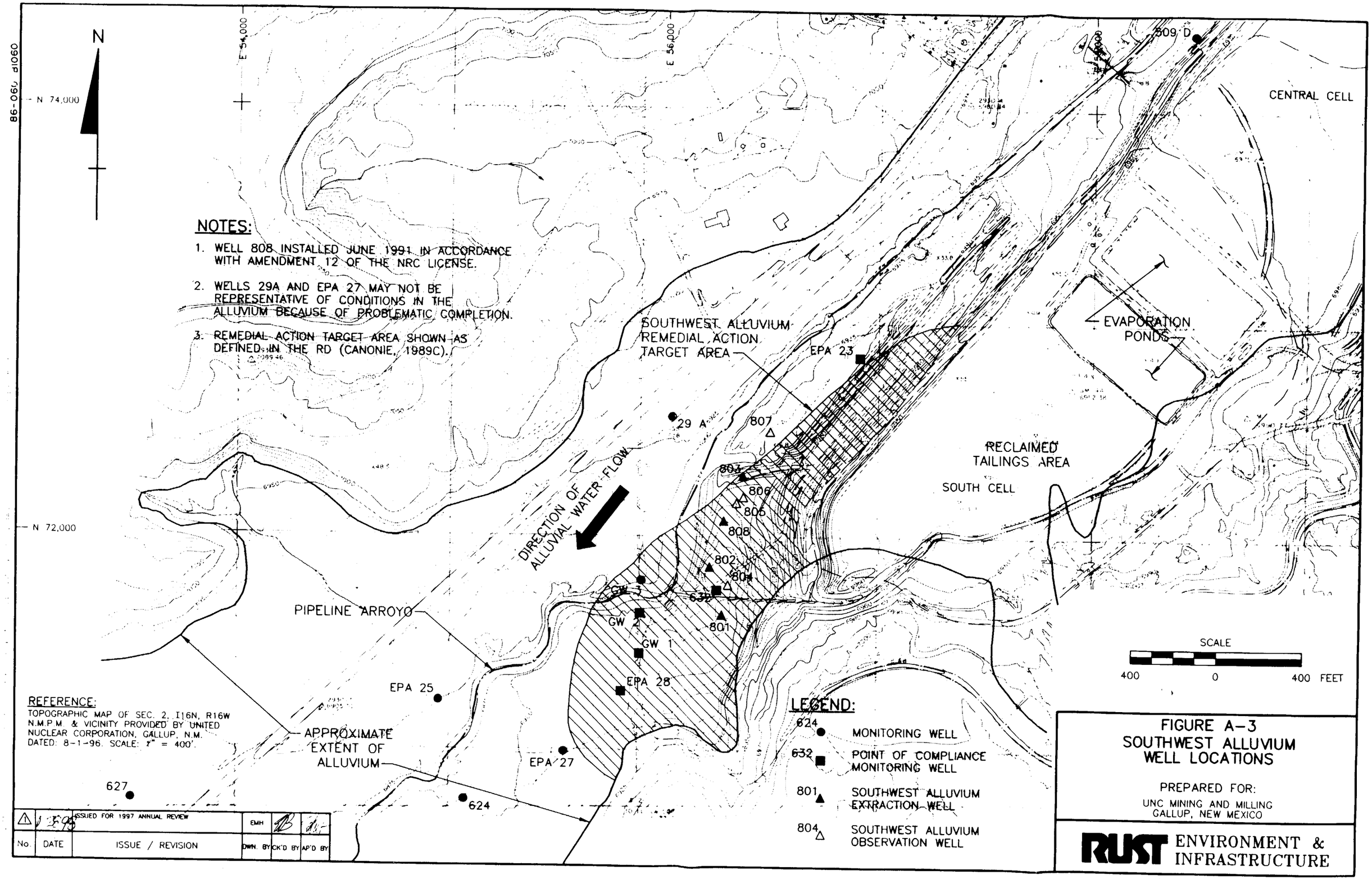
PREPARED FOR:
UNC MINING AND MILLING
GALLUP, NEW MEXICO

RUST ENVIRONMENT & INFRASTRUCTURE

No.	DATE	ISSUE / REVISION	DWN. BY	CK'D BY	AP'D BY
1	1/29/98	ISSUED FOR 1997 ANNUAL REPORT	EMH		

1

ZONE 1
FIGURE A-2
NOT INCLUDED


N
N 74,000
N 72,000
E 54,000
E 56,000
NOTES:
1. WELL 808 INSTALLED JUNE 1991 IN ACCORDANCE WITH AMENDMENT 12 OF THE NRC LICENSE.
2. WELLS 29A AND EPA 27 MAY NOT BE REPRESENTATIVE OF CONDITIONS IN THE ALLUVIUM BECAUSE OF PROBLEMATIC COMPLETION.
3. REMEDIAL ACTION TARGET AREA SHOWN AS DEFINED IN THE RD (CANONIE, 1989C).
SOUTHWEST ALLUVIUM REMEDIAL ACTION TARGET AREA
EPA 23
29 A
807
804
806
805
808
802
803
632
801
GW 3
GW 2
GW 1
EPA 28
EPA 25
EPA 27
627
624
609 D
CENTRAL CELL
EVAPORATION PONDS
RECLAIMED TAILINGS AREA
SOUTH CELL
DIRECTION OF ALLUVIAL WATER FLOW
PIPELINE ARROYO
APPROXIMATE EXTENT OF ALLUVIUM
SCALE
400 0 400 FEET
REFERENCE:
TOPOGRAPHIC MAP OF SEC. 2, T16N, R16W N.M.P.M. & VICINITY PROVIDED BY UNITED NUCLEAR CORPORATION, GALLUP, N.M. DATED: 8-1-96. SCALE: 1" = 400'.
LEGEND:
624 MONITORING WELL
632 POINT OF COMPLIANCE MONITORING WELL
801 SOUTHWEST ALLUVIUM EXTRACTION WELL
804 SOUTHWEST ALLUVIUM OBSERVATION WELL
FIGURE A-3
SOUTHWEST ALLUVIUM WELL LOCATIONS
PREPARED FOR:
UNC MINING AND MILLING GALLUP, NEW MEXICO
RUST ENVIRONMENT & INFRASTRUCTURE
1 ISSUED FOR 1997 ANNUAL REVIEW EMH
No. DATE ISSUE / REVISION DWN. BY CK'D BY AP'D BY
1

APPENDIX B

SOUTHWEST ALLUVIUM MONITORING DATA

APPENDIX B

SOUTHWEST ALLUVIUM MONITORING DATA

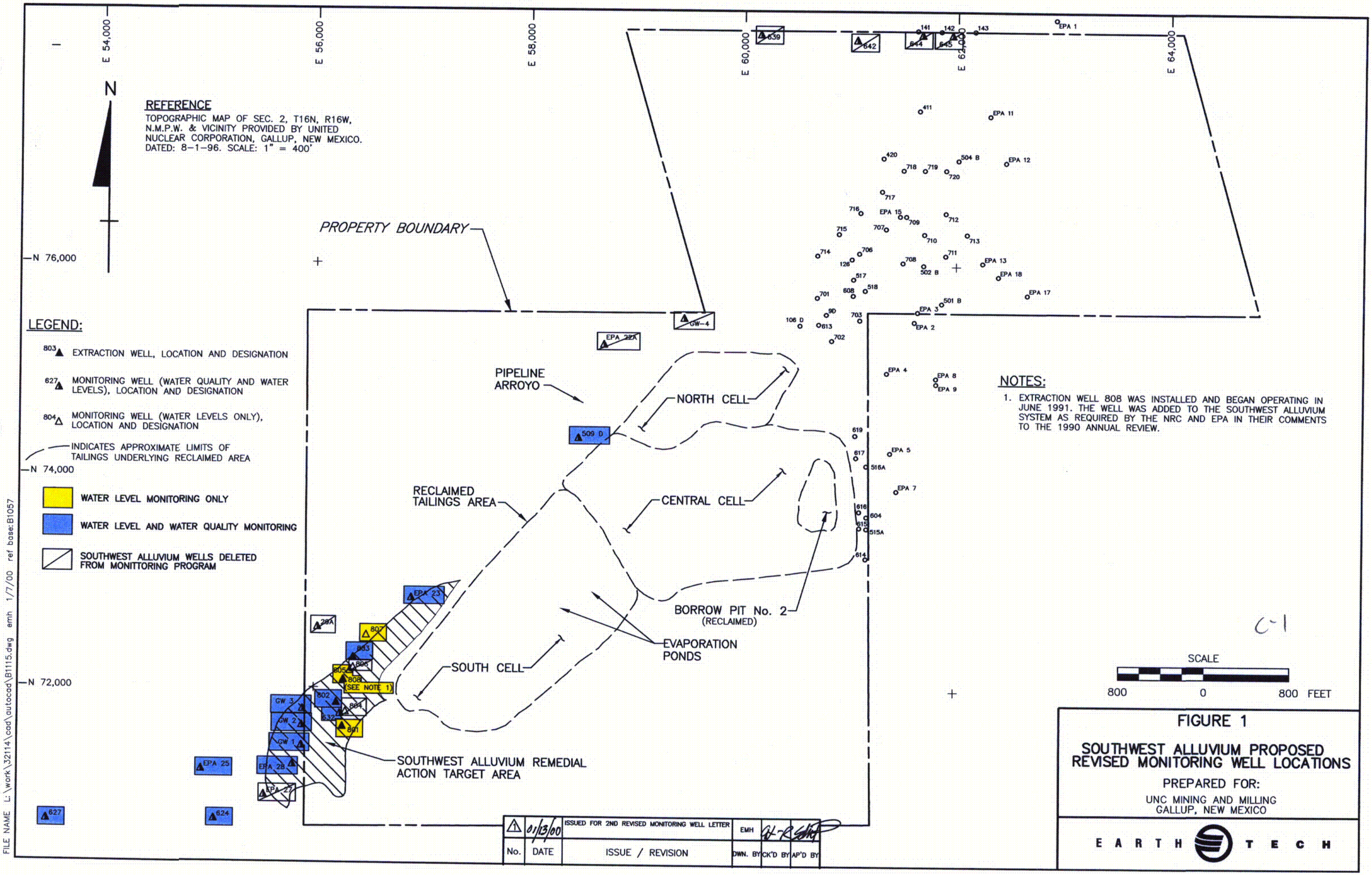
The Southwest Alluvium Remedial Action System was installed in August 1989 and began operating in October 1989. The initial system consisted of three extraction wells (Wells 801, 802, and 803) and four water-level observation wells (Wells 804, 805, 806, and 807). An additional extraction well, Well 808, was installed and began operating in June 1991 as required by the Nuclear Regulatory Commission and the U.S. Environmental Protection Agency. Extraction Wells 801, 802, and 803 are monitored for water quality and Observation Wells 804, 805, 806, and 807 are monitored for water level elevations on a quarterly basis. Well 801 was decommissioned at the end of July 1999 because it pumped at a rate of less than 0.5 gallon per minute for the previous eight years.

Water level elevations and water quality data have also been collected on a quarterly basis from 18 monitoring wells located up-, down-, and cross-gradient from the tailings area. The 18 monitoring wells include Wells GW 1, GW 2, GW 3, GW 4, EPA 22A, EPA 23, EPA 25, EPA 27, EPA 28, 509 D, 632, 29 A, 624, 627, 639, 642, 644, and 645. All of these wells except for Wells EPA 27 and 29 A are completed in the alluvium. Well EPA 27 is completed partially in the alluvium and partially in the Mancos formation and Well 29 A is completed in the underlying Zone 1 formation. Consequently, water quality data collected from these two wells may not be representative of alluvial ground water conditions.

Beginning with the second quarter of 2000, the revised monitoring program was implemented. Changes to the wells included in the monitoring program for the Southwest Alluvium are shown in Table 4 of this report. See the enclosed figure for the current layout of the wells.

Table B.1 presents the quarterly water level and water quality data for the observation and monitoring wells from the start of remediation in the fourth quarter 1989 through the third quarter of 2000. A number of wells have gone dry since the start of the remedial action. Data for these wells are included up to the time they contained insufficient water for sampling. Changes to data reported related to implementing the revised monitoring program are also reflected in Table B.1. The laboratory analytical data for 2000 are presented at the end of this appendix.

FIGURE


E 54,000
E 56,000
E 58,000
E 60,000
E 62,000
E 64,000
N 76,000
N 74,000
N 72,000
N
REFERENCE
TOPOGRAPHIC MAP OF SEC. 2, T16N, R16W, N.M.P.W. & VICINITY PROVIDED BY UNITED NUCLEAR CORPORATION, GALLUP, NEW MEXICO. DATED: 8-1-96. SCALE: 1" = 400'
PROPERTY BOUNDARY
PIPELINE ARROYO
NORTH CELL
CENTRAL CELL
RECLAIMED TAILINGS AREA
BORROW PIT No. 2 (RECLAIMED)
EVAPORATION PONDS
SOUTH CELL
SOUTHWEST ALLUVIUM REMEDIAL ACTION TARGET AREA
LEGEND:
803 EXTRACTION WELL, LOCATION AND DESIGNATION
627 MONITORING WELL (WATER QUALITY AND WATER LEVELS), LOCATION AND DESIGNATION
804 MONITORING WELL (WATER LEVELS ONLY), LOCATION AND DESIGNATION
INDICATES APPROXIMATE LIMITS OF TAILINGS UNDERLYING RECLAIMED AREA
WATER LEVEL MONITORING ONLY
WATER LEVEL AND WATER QUALITY MONITORING
SOUTHWEST ALLUVIUM WELLS DELETED FROM MONITTORING PROGRAM
NOTES:
1. EXTRACTION WELL 808 WAS INSTALLED AND BEGAN OPERATING IN JUNE 1991. THE WELL WAS ADDED TO THE SOUTHWEST ALLUVIUM SYSTEM AS REQUIRED BY THE NRC AND EPA IN THEIR COMMENTS TO THE 1990 ANNUAL REVIEW.
SCALE
800 0 800 FEET
FIGURE 1
SOUTHWEST ALLUVIUM PROPOSED REVISED MONITORING WELL LOCATIONS
PREPARED FOR:
UNC MINING AND MILLING
GALLUP, NEW MEXICO
EARTH TECH
No. DATE ISSUE / REVISION DWN. BY CK'D BY AP'D BY
1 01/13/00 ISSUED FOR 2ND REVISED MONITORING WELL LETTER EMH
FILE NAME L:\work\32114\cad\autocad\B1115.dwg emh 1/7/00 ref base:B1057

TABLE

TABLE B.1

SOUTHWEST ALLUVIUM DATA SUMMARY
1989 - 2000

General Notes:

1. NRC standard as listed in License Condition 30, Part B.
2. EPA standard as listed in Table 2, "Contaminant-Specific Groundwater ARARs" of the ROD (EPA, 1988).
3. NA - Not applicable.
4. "-" (hyphen) indicates that the concentration is less than the laboratory reporting limits. A hyphen for combined Ra-226 and Ra-228 indicates that at least one of these constituents was less than the laboratory reporting limits, which are 0.2 and 1.0 pCi/L, respectively.
5. All values that exceed the NRC and/or EPA standards are shaded.
6. Gross alpha value excludes contribution from radon and uranium.
7. "*" (Asterisk) indicates a Point of Compliance well.
8. Reporting limit for bicarbonate changed from 0.0 mg/L to 0.1 mg/L in fourth quarter 1997.
9. Reporting limit for cadmium changed from 0.01 mg/L to 0.005 mg/L after fourth quarter 1997. The analytical method changed from EPA 200.7 (ICP) to 200.8 (ICP.MS).

Specific Notes:

Well 801 is monitored for water level only beginning in 2nd quarter 2000.
Well 803 was not sampled in 3rd quarter 1999.
Well EPA 22A contained insufficient water for sampling beginning 4th quarter 1997.
Well EPA 27 contained insufficient water for sampling beginning 4th quarter 1997.
Well GW 4 contained insufficient water for sampling, 1st and 3rd quarters 1996, and 3rd Quarter 1999.
Well 29 A contained insufficient water for sampling, 1st quarter 1995.
Well 639 contained insufficient water for sampling, 1st quarter 1995.
Well 642 contained insufficient water for sampling, 4th quarter 1995.
Well 644 contained insufficient water for sampling, 1st quarter 1993.
Well 645 contained insufficient water for sampling, 1st quarter 1991.

TABLE B.1

SOUTHWEST ALLUVIUM DATA SUMMARY
1989 - 2000

Well No.	Date	Water Elevation (ft AMSL)	Field pH (SU)	Lab pH (SU)	Lab TDS (mg/L)	Ca (mg/L)	Mg (mg/L)	Na (mg/L)	K (mg/L)	HCO_3 (mg/L)	SO_4 (mg/L)	Cl (mg/L)	NH_4 as N (mg/L)	NO_3 as N (mg/L)	Chloro-form (mg/L)	Naphtha-lene (mg/L)	Cyanide (mg/L)
	NRC Standard	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00100	0.001	0.005
	EPA Standard	NA	NA	NA	4,800	NA	NA	NA	NA	NA	2,125	250	NA	190	NA	NA	NA
0029 A	10/16/89		7.1	7.60	5,144	518	240	662	1.3	546	2,176	30.4	0.24	189	-0.00100	-0.001	-0.005
0029 A	1/4/90	6878.60	6.9	7.28	5,080	554	233	607	0.9	528	2,333	42.5	0.09	190	-0.00100	-0.001	-0.005
0029 A	4/3/90	6878.20	7.0	7.50	4,981	567	240	573	0.9	582	2,244	41.9	0.09	147	-0.00100	-0.001	-0.005
0029 A	7/2/90		7.0	7.48	5,000	632	266	463	3.7	596	2,268	38	-0.05	172	-0.00100	-0.001	-0.005
0029 A	10/2/90	6877.40	7.1	7.73	4,778	520	231	472	0.8	558	2,367	39.1	-0.05	118	-0.00100	-0.001	-0.005
0029 A	1/15/91	6877.00	7.1	7.65	4,825	580	242	516	3.5	494	2,474	42.8	-0.05	166	-0.00100	-0.001	-0.005
0029 A	4/2/91	6876.80	6.9	7.49	4,775	592	239	351	0.5	538	2,368	39.6	-0.05	160	-0.00100	-0.001	-0.005
0029 A	7/16/91	6876.20	6.9	7.50	4,595	579	221	347	1.1	598	2,487	37.2	-0.05	147	-0.00100	-0.001	-0.005
0029 A	10/14/91	6875.40	6.8	7.34	4,672	490	204	365	1.1	571	2,197	45.2	-0.05	111	-0.00100	-0.001	-0.005
0029 A	1/14/92	6875.00	6.8	7.38	4,512	560	239	329	0.7	607	2,110	36.4	-0.05	125	-0.00100	-0.001	-0.005
0029 A	4/9/92	6874.80	6.8	7.26	4,461	574	235	432	1.6	531	2,421	39	6.08	70.2	-0.00100	-0.001	-0.005
0029 A	7/14/92	6873.50	6.5	7.58	4,389	644	242	419	1.4	518	2,358	37.7	5.00	129	-0.00100	-0.001	-0.005
0029 A	10/13/92	6872.30	6.9	7.55	4,318	584	267	417	1.7	588	2,568	36.5	0.16	105	-0.00100	-0.001	-0.005
0029 A	1/12/93	6872.10	7.0	7.60	4,247	591	219	415	3.2	558	2,520	36.7	-0.05	91.8	-0.00100	-0.001	-0.005
0029 A	4/14/93	6872.20	7.0	7.62	4,176	569	212	373	3.1	568	2,349	39.8	0.95	96.6	-0.00100	-0.001	-0.005
0029 A	7/15/93	6865.90	7.1	6.93	4,105	591	201	342	8.6	589	2,195	37.1	-0.05	81.6	-0.00100	-0.001	-0.005
0029 A	10/7/93	6868.30	7.1	7.70	4,033	586	212	345	-0.1	549	2,120	35.9	-0.05	120	-0.00100	-0.001	-0.005
0029 A	1/6/94	6870.30	7.1	7.57	3,962	567	206	370	0.3	544	2,376	35.8	-0.05	51.8	-0.00100		
0029 A	4/14/94	6870.20	7.2	7.26	3,891	557	207	344	0.5	576	2,339	36	0.21	72.8	-0.00100		
0029 A	7/21/94	6869.50	7.0	7.56	3,820	678	229	324	-0.1	630	2,625	33	-0.05	70.5	-0.00100		
0029 A	10/5/94	6869.10	6.9	7.81	3,749	641	221	344	0.8	593	2,365	36.2	0.11	86.0	-0.00100		
0509 D*	10/12/89	6915.80	6.4	6.98	4,860	854	332	201	13.5	1,703	2,053	197	0.13	58.0	-0.00100	-0.001	-0.005
0509 D*	1/4/90	6915.30	6.1	6.54	4,986	833	403	214	10.7	1,745	2,024	202	0.10	43.0	-0.00100	-0.001	-0.005
0509 D*	4/3/90		6.2	6.70	5,192	794	411	210	11.2	1,877	1,996	220	0.10	39.0	-0.00100	-0.001	-0.005
0509 D*	7/3/90		6.3	6.74	5,278	909	348	203	12.0	1,898	2,026	209	-0.05	53.4	-0.00100	-0.001	-0.005
0509 D*	10/3/90	6912.60	6.2	7.24	5,373	847	358	252	12.2	1,819	2,118	221	-0.05	38.0	-0.00100	-0.001	-0.005
0509 D*	1/15/91	6908.00	6.3	7.15	5,428	851	379	273	15.1	1,463	2,355	226	0.05	56.4	-0.00100	-0.001	-0.005
0509 D*	4/9/91	6907.50	6.6	7.25	4,208	923	292	192	9.2	1,218	1,958	178	0.05	37.0	-0.00100	-0.001	-0.005
0509 D*	7/17/91	6906.80	6.3	7.35	5,554	905	365	225	11.0	1,826	2,303	237	0.07	56.8	-0.00100	-0.001	-0.005
0509 D*	10/15/91	6906.20	6.2	6.97	5,616	917	432	253	12.3	1,813	2,407	239	-0.05	22.5	-0.00100	-0.001	-0.005
0509 D*	1/15/92	6905.50	6.1	7.16	4,832	782	378	228	10.2	1,206	2,226	215	-0.05	42.3	-0.00100	-0.001	-0.005
0509 D*	4/8/92	6904.80	6.1	7.41	5,122	822	437	258	11.6	1,763	2,392	227	-0.05	33.3	-0.00100	-0.001	-0.005
0509 D*	7/7/92	6904.00	6.0	7.80	5,151	791	413	319	16.1	1,253	2,379	182	0.15	55.6	-0.00100	-0.001	-0.005
0509 D*	10/6/92	6903.40	6.2	8.15	5,913	913	451	293	12.1	1,946	2,358	230	-0.05	62.5	-0.00100	-0.001	-0.005
0509 D*	1/6/93	6902.90	6.3	7.26	5,281	453	995	156	8.0	2,013	2,878	262	0.81	84.0	-0.00100	-0.001	-0.005
0509 D*	4/7/93	6902.30	6.3	7.00	5,254	786	389	319	10.5	1,797	2,393	251	0.06	51.6	-0.00100	-0.001	-0.005
0509 D*	7/14/93	6901.30	6.3	7.04	5,055	810	402	283	11.4	1,961	2,101	257	0.05	47.4	-0.00100	-0.001	-0.005
0509 D*	10/6/93	6900.60	6.5	7.00	5,090	830	424	271	11.3	1,787	2,476	231	0.05	6.7	-0.00100	-0.001	-0.005
0509 D*	1/6/94	6900.20	6.5	6.83	5,480	814	438	293	10.6	1,726	2,583	240	0.16	39.6	-0.00100		

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TABLE B.1

SOUTHWEST ALLUVIUM DATA SUMMARY
1989 - 2000

Well No.	Date	Al (mg/L)	As (mg/L)	Be (mg/L)	Cd (mg/L)	Co (mg/L)	Pb (mg/L)	Mn (mg/L)	Mo (mg/L)	Ni (mg/L)	Se (mg/L)	V (mg/L)	U (mg/L)	Ra-226+ Ra-228 (pCi/L)	Th-230 (pCi/L)	Pb-210 (pCi/L)	Gross Alpha (pCi/L)
	NRC Standard	NA	0.05	0.05	0.01	NA	0.05	NA	NA	0.05	0.01	0.10	0.3	5.0	5.0	1.0	15.0
	EPA Standard	5.0	0.05	0.02	0.01	0.05	0.05	2.60	1.00	0.2	0.01	0.70	5.0	5.0	NA	NA	15.0
0029 A	10/16/89	-0.10	-0.001	-0.05	-0.01	-0.01	-0.05	-0.05	-0.10	-0.05	0.003	-0.10	0.0396	-1.3	1.1	-1.0	1.5
0029 A	1/4/90	-0.10	-0.001	-0.05	-0.01	-0.01	-0.05	0.05	-0.10	-0.05	-0.001	-0.10	0.0390	-1.2	-0.2	1.9	-1.0
0029 A	4/3/90	-0.10	-0.001	-0.05	-0.01	-0.01	-0.05	0.09	-0.10	-0.05	0.002	-0.10	0.0360	-1.3	-0.2	1.9	0.9
0029 A	7/2/90	-0.10	-0.001	-0.05	-0.01	-0.01	-0.05	0.11	-0.10	-0.05	-0.001	-0.10	0.0302	1.7	0.6	-1.0	1.0
0029 A	10/2/90	-0.10	-0.001	-0.05	-0.01	0.02	-0.05	0.03	-0.10	-0.05	-0.001	-0.10	0.0310	-2.7	-0.2	-1.0	-1.0
0029 A	1/15/91	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.02	-0.10	-0.05	-0.001	-0.10	0.0416	-1.2	-0.2	-1.0	-1.0
0029 A	4/2/91	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.02	-0.10	-0.05	0.002	-0.10	0.0459	-1.4	-0.2	-1.0	-1.0
0029 A	7/16/91	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.02	-0.10	-0.05	-0.010	-0.10	0.0370	-1.2	-0.2	-1.0	-1.0
0029 A	10/14/91	-0.10	0.001	-0.01	-0.01	0.02	-0.05	0.02	-0.10	-0.05	0.001	-0.10	0.0500	-1.2	-0.2	-1.0	-1.0
0029 A	1/14/92	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.01	-0.10	0.05	0.001	-0.10	0.0320	-1.2	-0.2	1.8	-1.0
0029 A	4/9/92	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	-0.01	-0.10	-0.05	0.021	-0.10	0.0390	6.8	-0.2	1.5	2.4
0029 A	7/14/92	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.02	-0.10	-0.05	0.002	-0.10	0.0400	10.9	-0.2	-1.0	9.5
0029 A	10/13/92	0.10	-0.001	-0.01	-0.01	0.01	-0.05	0.01	-0.10	-0.05	-0.001	-0.10	0.0270	-4.1	-0.2	-1.0	-1.0
0029 A	1/12/93	-0.10	-0.001	-0.01	-0.01	0.03	-0.05	-0.01	-0.10	-0.05	0.011	-0.10	0.0340	-1.2	-0.2	-1.0	-1.0
0029 A	4/14/93	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.02	-0.10	-0.05	-0.001	-0.10	0.0530	-1.4	-0.2	-1.0	-1.0
0029 A	7/15/93	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.01	-0.10	-0.05	-0.001	-0.10	0.1580	-1.3	-0.2	-1.0	-1.0
0029 A	10/7/93	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.04	-0.10	-0.05	-0.001	-0.10	0.0400	3.7	-0.2	-1.0	-1.0
0029 A	1/6/94	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.02	-0.10	-0.05	-0.001	-0.10	0.0350	-1.6	-0.2	1.4	-1.0
0029 A	4/14/94	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.02	-0.10	-0.05	-0.001	-0.10	0.0430	2.5	-0.2	-1.0	3.4
0029 A	7/21/94	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.03	-0.10	-0.05	0.002	-0.10	0.0430	-1.2	-0.2	-1.0	-1.0
0029 A	10/5/94	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.03	-0.10	-0.05	-0.001	-0.10	0.0400	-4.1	-0.2	1.9	6.2
0509 D*	10/12/89	0.12	0.001	-0.05	-0.01	-0.01	-0.05	0.39	-0.10	-0.05	0.001	-0.10	0.1050	-1.8	-0.2	2.3	1.2
0509 D*	1/4/90	-0.10	-0.001	-0.05	-0.01	-0.01	-0.05	0.38	-0.10	-0.05	-0.001	-0.10	0.1070	-1.9	-0.2	3.4	2.5
0509 D*	4/3/90	-0.10	-0.001	-0.05	-0.01	-0.01	-0.05	0.43	-0.10	-0.05	-0.001	-0.10	0.1060	-1.7	-0.2	-1.0	1.4
0509 D*	7/3/90	-0.10	-0.001	-0.05	-0.01	0.02	-0.05	0.48	-0.10	-0.05	-0.001	-0.10	0.1260	-1.4	-0.2	-1.0	-1.0
0509 D*	10/3/90	-0.10	-0.001	-0.05	-0.01	0.02	-0.05	0.55	-0.10	-0.05	0.002	-0.10	0.0740	-1.2	-0.2	1.9	-1.0
0509 D*	1/15/91	-0.10	-0.001	-0.01	0.01	-0.01	-0.05	0.44	-0.10	-0.05	-0.001	-0.10	0.1202	-1.8	1.0	-1.0	-1.0
0509 D*	4/9/91	-0.10	-0.001	-0.01	0.02	-0.01	-0.05	0.91	-0.10	-0.05	0.001	-0.10	0.1274	-1.5	-0.2	2.9	-1.0
0509 D*	7/17/91	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.46	-0.10	-0.05	-0.001	-0.10	0.1360	-1.4	-0.2	-1.0	-1.0
0509 D*	10/15/91	-0.10	0.001	-0.01	-0.01	0.01	-0.05	0.50	-0.10	-0.05	0.001	-0.10	0.1320	8.1	-0.2	-1.0	-1.0
0509 D*	1/15/92	0.26	-0.001	-0.01	-0.01	-0.01	-0.05	0.70	-0.10	-0.05	0.002	-0.10	0.2200	-1.2	-0.2	-1.0	-1.0
0509 D*	4/8/92	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.61	-0.10	-0.05	0.004	-0.10	0.1240	-1.3	-0.2	1.9	-1.0
0509 D*	7/7/92	0.12	-0.001	-0.01	-0.01	-0.01	0.07	0.72	-0.10	-0.05	0.002	-0.10	0.1200	2.2	-0.2	-1.0	1.2
0509 D*	10/6/92	0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.66	-0.10	-0.05	0.005	-0.10	0.1190	2.9	-0.2	2.3	-1.0
0509 D*	1/6/93	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	1.86	-0.10	-0.05	0.005	-0.10	0.0030	6.4	-0.2	-1.0	1.7
0509 D*	4/7/93	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.68	-0.10	-0.05	-0.001	-0.10	0.1420	2.2	-0.2	2.9	-1.0
0509 D*	7/14/93	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.74	-0.10	-0.05	-0.001	-0.10	0.0820	2.5	-0.2	-1.0	-1.0
0509 D*	10/6/93	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.75	-0.10	-0.05	-0.001	-0.10	0.0430	-1.9	-0.2	-1.0	-1.0
0509 D*	1/6/94	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.81	-0.10	-0.05	-0.001	-0.10	0.0810	-1.4	-0.2	1.1	-1.0

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TABLE B.1

SOUTHWEST ALLUVIUM DATA SUMMARY
1989 - 2000

Well No.	Date	Water Elevation (ft AMSL)	Field pH (SU)	Lab pH (SU)	Lab TDS (mg/L)	Ca (mg/L)	Mg (mg/L)	Na (mg/L)	K (mg/L)	HCO_3 (mg/L)	SO_4 (mg/L)	Cl (mg/L)	NH_4 as N (mg/L)	NO_3 as N (mg/L)	Chloro-form (mg/L)	Naphtha-lene (mg/L)	Cyanide (mg/L)
	NRC Standard	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00100	0.001	0.005
	EPA Standard	NA	NA	NA	4,800	NA	NA	NA	NA	NA	2,125	250	NA	190	NA	NA	NA
0509 D*	4/12/94	6899.50	6.5	6.75	5,766	780	452	277	11.3	1,660	2,729	256	0.51	59.3	-0.00100		
0509 D*	7/21/94	6898.90	6.4	7.34	6,216	918	487	295	11.7	1,817	3,043	246	0.39	54.1	-0.00100		
0509 D*	10/5/94	6898.60	6.2	7.59	6,177	901	522	319	12.8	1,800	2,749	259	0.93	54.8	-0.00100		
0509 D*	1/5/95	6898.00	6.4	7.12	6,296	880	542	298	14.0	1,898	2,693	271	1.05	49.7	-0.00100		
0509 D*	4/5/95	6897.30	6.5	6.92	6,165	814	494	276	12.0	1,856	2,766	302	1.63	63.0	-0.00100		
0509 D*	7/6/95	6896.60	6.4	7.60	6,186	835	510	300	13.5	1,841	2,602	299	1.54	46.5	-0.00100		
0509 D*	10/3/95	6896.20	6.3	7.41	6,534	820	545	296	13.6	1,928	2,825	292	2.22	50.5	-0.00100		
0509 D*	1/3/96	6895.70	6.5	6.96	5,314	760	490	287	13.3	1,903	2,229	227	2.22	50.4	-0.00100		
0509 D*	4/2/96	6895.10	6.5	7.67	6,804	800	610	324	15.0	1,979	3,030	342	3.86	53.6	-0.00100		
0509 D*	7/7/96	6890.10	6.2	7.04	6,283	805	495	300	14.7	1,769	2,580	255	2.45	44.5	-0.00100		
0509 D*	10/1/96	6889.60	6.4	6.80	6,440	818	578	308	15.2	1,900	2,795	297	3.97	86.1	-0.00100		
0509 D*	1/22/97	6889.20	6.3	7.21	6,140	820	545	277	14.4	1,900	2,789	337	3.56	43.2	-0.00100		
0509 D*	4/8/97	6888.50	6.5	7.64	6,430	825	581	328	15.7	1,910	2,869	345	5.09	48.4	-0.00100		
0509 D*	7/8/97	6888.00	6.8	7.61	6,640	827	599	293	16.1	1,900	2,650	337	6.19	44.8	-0.00100		
0509 D*	10/7/97	6887.80	6.2	7.42	6,530	807	584	302	16.2	1,920	2,850	350	6.70	44.5	-0.00100		
0509 D*	1/16/98	6887.20	6.6	7.75	6,640	768	602	319	17.3	1,930	3,000	343	9.43	47.3	-0.00100		
0509 D*	4/7/98	6887.00	6.4	7.24	6,390	805	610	310	16.2	1,910	2,950	274	8.49	46.0	-0.00100		
0509 D*	7/7/98	6886.60	6.7	7.64	6,320	800	548	305	16.1	1,890	2,500	322	7.32	42.3	-0.00100		
0509 D*	10/6/98	6886.20	6.6	7.78	6,960	815	689	353	19.9	1,910	3,050	312	13.8	44.4	-0.00100		
0509 D*	1/5/99	6885.70	6.6	7.76	6,830	761	609	289	17.1	1,970	3,100	317	12.9	41.1	-0.00100		
0509 D*	4/6/99	6885.40	6.5	7.60	3,780	805	630	289	17.6	1,950	2,830	345	13.1	9.53	-0.00100		
0509 D*	7/13/99	6884.84	6.5	7.72	6,620	762	644	314	25.1	1,540	3,000	312	17.6	36.6	-0.00100		
0509 D*	10/12/99	6884.60	6.6	7.40	6,290	847	664	307	18.6	1,990	3,070	317	0.05	35.4	-0.00100		
0509 D*	2/22/00	6884.20	6.7	7.59	6,090	798	529	232	17.5	1,980	2,520	278	11.7	36.6	-0.00100		
0509 D*	6/4/00	6883.70	6.3	7.12	4,990	859	337	241	13.2	2,010	1,570	293	0.60	32.7	0.00190		
0509 D*	7/12/00	6883.30	6.3	7.18	4,920	866	306	228	10.3	2,110	1,380	324	0.24	31.3	-0.00100		
0624	10/16/89	6860.40	7.1	7.50	4,760	535	399	211	5.0	456	2,182	110	0.10	108	-0.00100	-0.001	-0.005
0624	1/10/90	6860.10	7.2	7.32	4,642	562	363	208	3.6	473	2,370	110	0.05	118	-0.00100	-0.001	-0.005
0624	4/5/90	6860.40	7.1	7.58	4,722	559	390	206	3.8	537	2,311	115	0.12	130	-0.00100	-0.001	-0.005
0624	7/3/90	6859.70	7.1	7.48	4,839	553	371	195	3.9	512	2,306	113	-0.05	127	-0.00100	-0.001	-0.005
0624	10/3/90	6859.80	7.0	7.75	4,783	565	384	215	4.0	561	2,311	117	-0.05	82.0	-0.00100	-0.001	-0.005
0624	1/15/91	6860.00	7.1	7.55	4,686	612	405	212	5.6	528	2,468	120	-0.05	117	-0.00100	-0.001	-0.005
0624	4/2/91	6860.10	7.2	7.68	4,832	555	362	203	3.2	524	2,428	130	-0.05	132	-0.00100	-0.001	-0.005
0624	7/17/91	6859.20	7.1	7.75	4,689	540	335	195	2.9	595	2,602	132	0.05	159	-0.00100	-0.001	-0.005
0624	10/15/91	6858.80	6.9	7.54	4,640	609	373	186	2.5	549	2,327	118	-0.05	93.9	-0.00100	-0.001	-0.005
0624	1/15/92	6858.50	6.9	7.57	4,267	525	348	197	2.8	539	2,296	113	-0.05	82.0	-0.00100	-0.001	-0.005
0624	4/8/92	6858.30	6.9	7.73	4,279	581	371	208	3.5	597	2,276	118	-0.05	83.2	-0.00100	-0.001	-0.005
0624	7/8/92	6857.90	6.8	7.43	4,323	581	360	254	4.3	432	2,259	125	0.08	106	-0.00100	-0.001	-0.005
0624	10/6/92	6857.50	7.0	7.56	4,704	626	364	218	2.1	593	2,304	112	-0.05	120	-0.00100	-0.001	-0.005

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TABLE B.1

SOUTHWEST ALLUVIUM DATA SUMMARY
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Well No.	Date	Al (mg/L)	As (mg/L)	Be (mg/L)	Cd (mg/L)	Co (mg/L)	Pb (mg/L)	Mn (mg/L)	Mo (mg/L)	Ni (mg/L)	Se (mg/L)	V (mg/L)	U (mg/L)	Ra-226+ Ra-228 (pCi/L)	Th-230 (pCi/L)	Pb-210 (pCi/L)	Gross Alpha (pCi/L)
	NRC Standard	NA	0.05	0.05	0.01	NA	0.05	NA	NA	0.05	0.01	0.10	0.3	5.0	5.0	1.0	15.0
	EPA Standard	5.0	0.05	0.02	0.01	0.05	0.05	2.60	1.00	0.2	0.01	0.70	5.0	5.0	NA	NA	15.0
0509 D*	4/12/94	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.81	-0.10	-0.05	-0.001	-0.10	0.0820	-1.2	-0.2	-1.0	-1.0
0509 D*	7/21/94	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.88	-0.10	-0.05	0.004	-0.10	0.0750	5.1	-0.2	1.2	5.5
0509 D*	10/5/94	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.88	-0.10	-0.05	-0.001	-0.10	0.0840	2.3	-0.2	2.7	3.4
0509 D*	1/5/95	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.85	-0.10	-0.05	-0.001	-0.10	0.0840	2.2	-0.2	-1.0	3.2
0509 D*	4/5/95	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.44	-0.10	-0.05	-0.001	-0.10	0.0840	1.8	-0.2	-1.0	2.8
0509 D*	7/6/95	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.91	-0.10	-0.05	0.001	-0.10	0.0816	-1.2	0.4	-1.0	-1.0
0509 D*	10/3/95	-0.10	0.003	-0.01	-0.01	-0.01	-0.05	0.82	-0.10	-0.05	0.002	-0.10	0.0840	-1.8	-0.2	-1.0	1.7
0509 D*	1/3/96	-0.10	0.001	-0.01	-0.01	-0.01	-0.05	0.79	-0.10	-0.05	0.002	-0.10	0.0900	-1.4	-0.2	1.5	2.0
0509 D*	4/2/96	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.86	-0.10	-0.05	-0.001	-0.10	0.1010	-1.2	-0.2	-1.0	-1.0
0509 D*	7/7/96	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.97	-0.10	-0.05	-0.001	-0.10	0.1430	-1.5	-0.2	-1.0	-1.0
0509 D*	10/1/96	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.90	-0.10	-0.05	0.007	-0.10	0.0880	-1.1	-0.2	-1.0	-1.0
0509 D*	1/22/97	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.85	-0.10	-0.05	-0.001	-0.10	0.0870	-0.6	-0.2	-1.0	-1.0
0509 D*	4/8/97	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.97	-0.10	-0.05	0.028	-0.10	0.0990	-1.0	-0.2	-1.0	-1.0
0509 D*	7/8/97	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.84	-0.10	-0.05	-0.001	-0.10	0.0940	-2.1	-0.2	-1.0	-1.0
0509 D*	10/7/97	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	1.21	-0.10	-0.05	-0.001	-0.10	0.0890	-1.2	-0.2	-1.0	1.0
0509 D*	1/16/98	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	1.20	-0.10	-0.05	-0.001	-0.10	0.1020	-1.7	-0.2	-1.0	2.5
0509 D*	4/7/98	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	0.80	-0.10	-0.05	-0.001	-0.10	0.1010	-1.6	-0.2	-1.0	-1.0
0509 D*	7/7/98	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	0.98	-0.10	-0.05	-0.001	-0.10	0.1150	-1.6	-0.2	-1.0	-1.0
0509 D*	10/6/98	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	0.83	-0.10	-0.05	-0.001	-0.10	0.1050	-1.6	-0.2	-1.0	-1.0
0509 D*	1/5/99	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	0.78	-0.10	-0.05	-0.001	-0.10	0.1030	-2	-0.2	-1.0	-1.0
0509 D*	4/6/99	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	0.89	-0.10	-0.05	-0.001	-0.10	0.1040	-2.1	-0.2	-1.0	-1.0
0509 D*	7/13/99	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	0.56	-0.10	-0.05	0.003	-0.10	0.1040	-2.9	-0.2	-1.0	9.3
0509 D*	10/12/99	-0.10	-0.001	-0.01	0.008	-0.01	-0.05	1.05	-0.10	-0.05	-0.001	-0.10	0.1080	-1.5	-0.2	-1.0	-1.0
0509 D*	2/22/00	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	1.09	-0.10	0.05	0.001	-0.10	0.1340	-1.5	-0.2	-1.0	-1.0
0509 D*	6/4/00	0.20	-0.001	-0.01	0.005	-0.01	-0.05	1.60	-0.10	-0.05	-0.001	-0.10	0.1760	-2.8	-0.2	-1.0	-1.0
0509 D*	7/12/00	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	1.89	-0.10	-0.05	-0.001	-0.10	0.2260	3.4	-0.2	-1.0	-1.0
0624	10/16/89	-0.10	-0.001	-0.05	-0.01	-0.01	-0.05	0.01	-0.10	-0.05	0.003	-0.10	0.0210	-2.6	0.5	-1.0	1.8
0624	1/10/90	-0.10	-0.001	-0.05	-0.01	-0.01	-0.05	0.01	-0.10	-0.05	0.002	-0.10	0.0220	1.4	-0.2	-1.0	0.8
0624	4/5/90	-0.10	-0.001	-0.05	-0.01	-0.01	-0.05	0.03	-0.10	-0.05	0.003	-0.10	0.0200	-1.4	-0.2	1.1	0.9
0624	7/3/90	0.10	-0.001	-0.05	-0.01	-0.01	-0.05	0.02	-0.10	-0.05	0.001	-0.10	0.0242	-1.7	0.2	-1.0	-1.0
0624	10/3/90	-0.10	0.001	-0.05	-0.01	0.02	-0.05	0.02	-0.10	-0.05	-0.001	-0.10	0.0220	-2.0	-0.2	-1.0	-1.0
0624	1/15/91	-0.10	-0.001	-0.01	-0.01	0.01	-0.05	0.01	-0.10	-0.05	0.001	-0.10	0.0268	-1.4	-0.2	-1.0	-1.0
0624	4/2/91	0.13	-0.001	-0.01	-0.01	0.02	-0.05	-0.01	-0.10	-0.05	0.001	-0.10	0.0380	1.9	-0.2	-1.0	-1.0
0624	7/17/91	0.10	-0.001	-0.01	-0.01	-0.01	-0.05	-0.01	-0.10	-0.05	0.002	-0.10	0.0340	-1.2	-0.2	-1.0	-1.0
0624	10/15/91	0.10	0.001	-0.01	-0.01	0.01	-0.05	0.01	-0.10	-0.05	0.002	-0.10	0.0340	2.2	-0.2	-1.0	-1.0
0624	1/15/92	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.01	-0.10	-0.05	0.002	-0.10	0.0290	-1.2	0.2	-1.0	-1.0
0624	4/8/92	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	-0.01	-0.10	-0.05	0.002	-0.10	0.0340	-1.2	-0.2	-1.0	-1.0
0624	7/8/92	-0.10	-0.001	-0.01	-0.01	-0.01	0.07	-0.01	-0.10	-0.05	0.002	-0.10	0.0300	-1.2	-0.2	-1.0	-1.0
0624	10/6/92	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.02	-0.10	-0.05	0.006	-0.10	0.0480	-1.2	-0.2	-1.0	-1.0

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TABLE B.1

SOUTHWEST ALLUVIUM DATA SUMMARY
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Well No.	Date	Water Elevation (ft AMSL)	Field pH (SU)	Lab pH (SU)	Lab TDS (mg/L)	Ca (mg/L)	Mg (mg/L)	Na (mg/L)	K (mg/L)	HCO_3 (mg/L)	SO_4 (mg/L)	Cl (mg/L)	NH_4 as N (mg/L)	NO_3 as N (mg/L)	Chloro-form (mg/L)	Naphtha-lene (mg/L)	Cyanide (mg/L)
	NRC Standard	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00100	0.001	0.005
	EPA Standard	NA	NA	NA	4,800	NA	NA	NA	NA	NA	2,125	250	NA	190	NA	NA	NA
0624	1/7/93	6857.10	7.0	7.71	4,698	587	348	211	3.9	586	2,245	122	-0.05	105	-0.00100	-0.001	-0.005
0624	4/7/93	6857.10	7.0	7.50	4,111	553	307	230	15.9	581	2,172	129	-0.05	107	-0.00100	-0.001	-0.005
0624	7/14/93	6856.60	7.0	7.11	4,803	645	361	211	2.4	748	2,307	138	-0.05	106	-0.00100	-0.001	-0.005
0624	10/7/93	6856.40	7.1	7.62	4,371	602	326	188	1.4	700	2,107	128	-0.05	117	-0.00100	-0.001	-0.005
0624	1/6/94	6806.00	7.2	7.41	4,425	618	345	200	2.2	694	2,241	129	-0.05	89.4	-0.00100		
0624	4/12/94	6855.60	7.1	7.45	4,779	623	344	197	1.7	625	2,324	118	0.30	124	-0.00100		
0624	7/21/94	6855.20	7.1	7.54	4,592	674	356	203	2.0	649	2,203	118	-0.05	115	-0.00100		
0624	10/5/94	6855.00	6.8	7.64	4,815	661	391	212	3.8	843	2,160	137	-0.05	97.3	-0.00100		
0624	1/4/95	6854.70	6.9	7.63	4,803	665	375	202	3.5	814	2,303	137	0.27	92.8	-0.00100		
0624	4/5/95	6854.40	7.0	7.44	4,661	630	342	195	3.0	475	2,383	155	0.27	101	-0.00100		
0624	7/6/95	6854.40	7.1	7.63	4,358	655	405	207	3.9	766	2,201	157	0.10	93.5	-0.00100		
0624	10/3/95	6853.80	7.0	7.83	4,950	655	415	197	3.8	972	2,247	154	0.18	94.3	-0.00100		
0624	1/3/96	6853.60	7.0	7.43	4,553	610	392	203	4.8	1,182	1,879	123	-0.05	97.0	-0.00100		
0624	4/2/96	6853.20	6.8	7.92	4,942	655	430	204	4.7	1,048	2,310	150	-0.05	100	-0.00100		
0624	7/7/96	6852.90	6.6	7.45	4,946	645	405	206	4.6	1,158	2,190	145	0.07	84.4	-0.00100		
0624	10/1/96	6852.90	6.8	7.25	5,050	666	430	204	4.6	1,180	2,179	161	-0.05	93.0	-0.00100		
0624	1/22/97	6852.60	6.7	7.69	4,920	675	440	202	4.8	1,070	2,146	161	-0.05	84.6	-0.00100		
0624	4/8/97	6852.40	6.9	7.89	5,000	683	427	195	3.8	1,030	2,227	169	0.06	103	-0.00100		
0624	7/8/97	6852.00	7.1	7.54	5,040	680	444	186	4.6	1,060	2,260	181	-0.05	92.6	-0.00100		
0624	10/7/97	6852.50	6.5	7.66	5,140	712	459	179	3.5	1,310	2,160	166	-0.05	86.3	-0.00100		
0624	1/16/98	6852.40	7.0	7.78	5,140	679	436	208	5.6	1,300	2,350	194	0.16	101	-0.00100		
0624	4/7/98	6851.90	6.9	7.60	5,190	691	442	197	4.4	1,180	2,400	153	-0.05	98.7	-0.00100		
0624	7/7/98	6851.70	7.2	7.79	5,050	679	435	206	4.4	1,080	2,400	174	-0.05	92.2	-0.00100		
0624	10/6/98	6851.30	7.0	7.88	5,210	708	464	216	6.2	1,230	2,220	175	-0.05	101	-0.00100		
0624	1/5/99	6851.20	6.8	7.85	5,140	659	423	188	5.3	1,160	2,030	172	0.18	94.2	-0.00100		
0624	4/6/99	6851.10	6.8	7.89	5,150	692	451	188	5.4	1,230	2,000	180	0.08	94.5	-0.00100		
0624	7/13/99	6850.77	6.7	7.85	5,020	646	452	191	10.8	1,070	2,070	181	0.18	88.7	-0.00100		
0624	10/5/99	6851.80	6.8	7.59	4,900	618	411	199	6.1	1,350	1,860	179	0.09	88.3	-0.00100		
0624	2/18/00	6851.20	6.8	7.76	4,840	649	429	170	6.9	1,160	2,080	155	-0.05	49.2	-0.00100		
0624	6/21/00	6850.60	6.5	7.67	5,130	652	438	207	6.3	1,470	1,970	177	-0.05	93.6	-0.00100		
0624	7/17/00	6850.40	6.6	7.62	5,170	697	456	194	6.5	1,480	1,790	184	-0.05	85.1	-0.00100		
0627	10/16/89	6846.80	6.9	7.36	4,512	539	290	359	3.8	659	2,151	36.6	0.12	112	-0.00100	-0.001	-0.005
0627	1/4/90	6846.70	6.8	7.24	4,446	571	275	351	7.8	656	2,277	39.7	0.07	113	-0.00100	-0.001	-0.005
0627	4/3/90	6846.40	6.8	7.32	4,492	590	290	352	3.2	698	2,168	40.1	0.09	90.0	-0.00100	-0.001	-0.005
0627	7/2/90	6846.20	6.7	7.34	4,750	613	322	325	4.5	693	2,265	41.5	-0.05	109	-0.00100	-0.001	-0.005
0627	10/2/90	6846.20	6.8	7.60	4,551	509	270	342	2.8	644	2,404	41.6	-0.05	78.0	-0.00100	-0.001	-0.005
0627	1/15/91	6846.20	6.8	7.77	4,537	587	309	393	5.9	617	2,480	49.0	-0.05	118	-0.00100	-0.001	-0.005
0627	4/2/91	6846.20	6.8	7.70	4,623	533	263	331	2.7	595	2,407	45.9	-0.05	94.8	-0.00100	-0.001	-0.005
0627	7/16/91	6845.90	6.8	7.44	4,623	525	249	335	2.8	532	2,537	45.4	0.36	97.2	-0.00100	-0.001	-0.005

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TABLE B.1

SOUTHWEST ALLUVIUM DATA SUMMARY
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Well No.	Date	Al (mg/L)	As (mg/L)	Be (mg/L)	Cd (mg/L)	Co (mg/L)	Pb (mg/L)	Mn (mg/L)	Mo (mg/L)	Ni (mg/L)	Se (mg/L)	V (mg/L)	U (mg/L)	Ra-226+ Ra-228 (pCi/L)	Th-230 (pCi/L)	Pb-210 (pCi/L)	Gross Alpha (pCi/L)
	NRC Standard	NA	0.05	0.05	0.01	NA	0.05	NA	NA	0.05	0.01	0.10	0.3	5.0	5.0	1.0	15.0
	EPA Standard	5.0	0.05	0.02	0.01	0.05	0.05	2.60	1.00	0.2	0.01	0.70	5.0	5.0	NA	NA	15.0
0624	1/7/93	-0.10	-0.001	-0.01	-0.01	0.02	-0.05	0.02	-0.10	-0.05	0.008	-0.10	0.0430	-4.4	-0.2	-1.0	-1.0
0624	4/7/93	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.02	-0.10	-0.05	0.002	-0.10	0.0330	-5.6	-0.2	1.4	4.8
0624	7/14/93	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.02	-0.10	-0.05	0.003	-0.10	0.0190	-1.2	-0.2	2.8	-1.0
0624	10/7/93	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.02	-0.10	-0.05	0.003	-0.10	0.0230	-1.6	-0.2	4.8	-1.0
0624	1/6/94	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.02	-0.10	-0.05	-0.001	-0.10	0.0270	6.4	-0.2	-1.0	9.9
0624	4/12/94	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.01	-0.10	-0.05	0.001	-0.10	0.0430	9.9	-0.2	-1.0	11.3
0624	7/21/94	-0.10	0.001	-0.01	-0.01	-0.01	-0.05	-0.01	-0.10	-0.05	-0.001	-0.10	0.0290	-1.3	-0.2	-1.0	1.8
0624	10/5/94	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	-0.01	-0.10	-0.05	-0.001	-0.10	0.0350	-1.2	-0.2	-1.0	-1.0
0624	1/4/95	-0.10	-0.001	-0.01	-0.01	-0.01	0.05	0.02	-0.10	-0.05	-0.001	-0.10	0.0330	1.9	-0.2	-1.0	2.7
0624	4/5/95	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.02	-0.10	-0.05	-0.001	-0.10	0.0370	5.5	-0.2	2.1	6.5
0624	7/6/95	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.01	-0.10	-0.05	0.002	-0.10	0.0405	-1.2	-0.2	-1.0	-1.0
0624	10/3/95	-0.10	0.002	-0.01	-0.01	-0.01	-0.05	0.01	-0.10	-0.05	0.013	-0.10	0.0331	-1.3	-0.2	-1.0	-1.0
0624	1/3/96	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.01	-0.10	-0.05	0.007	-0.10	0.0320	1.9	0.6	-1.0	-1.0
0624	4/2/96	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.02	-0.10	-0.05	-0.001	-0.10	0.0330	-1.2	-0.2	-1.0	-1.0
0624	7/7/96	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.02	-0.10	-0.05	-0.001	-0.10	0.0430	-1.3	-0.2	-1.0	-1.0
0624	10/1/96	-0.10	0.001	-0.01	-0.01	-0.01	-0.05	0.02	-0.10	-0.05	0.003	-0.10	0.0320	-0.6	-0.2	-1.0	-1.0
0624	1/22/97	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.01	-0.10	-0.05	-0.001	-0.10	0.0270	-1.1	-0.1	-1.0	-1.0
0624	4/8/97	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.02	-0.10	-0.05	0.014	-0.10	0.0360	-1.3	-0.2	-1.0	-1.0
0624	7/8/97	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.02	-0.10	-0.05	-0.001	-0.10	0.0340	-0.6	-0.2	-1.0	-1.0
0624	10/7/97	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.12	-0.10	-0.05	-0.001	-0.10	0.0300	-1.2	-0.2	-1.0	-1.0
0624	1/16/98	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.11	-0.10	-0.05	-0.001	-0.10	0.0379	-1.2	-0.2	-1.0	-1.0
0624	4/7/98	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	0.02	-0.10	-0.05	-0.001	-0.10	0.0390	-1.2	-0.2	-1.0	-1.0
0624	7/7/98	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	0.02	-0.10	-0.05	-0.001	-0.10	0.0409	-1.7	-0.2	-1.0	-1.0
0624	10/6/98	-0.10	-0.001	-0.01	0.005	-0.01	-0.05	0.03	-0.10	-0.05	0.001	-0.10	0.0409	-1.7	-0.2	-1.0	-1.0
0624	1/5/99	-0.10	-0.001	-0.01	0.006	-0.01	-0.05	0.02	-0.10	-0.05	-0.001	-0.10	0.0395	-1.2	-0.2	-1.0	-1.0
0624	4/6/99	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	0.03	-0.10	-0.05	-0.001	-0.10	0.0366	-1.2	-0.2	-1.0	-1.0
0624	7/13/99	-0.10	-0.001	-0.01	-0.005	0.02	-0.05	0.02	-0.10	-0.05	-0.001	-0.10	0.0339	-1.2	-0.2	-1.0	-1.0
0624	10/5/99	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	0.02	-0.10	-0.05	-0.001	-0.10	0.0366	-1.5	-0.2	-1.0	-1.0
0624	2/18/00	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	0.05	-0.10	-0.05	0.001	-0.10	0.0443	-1.2	-0.2	-1.0	-1.0
0624	6/21/00	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	0.02	-0.10	-0.05	-0.001	-0.10	0.0348	-2.2	-0.2	6.4	-1.0
0624	7/17/00	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	0.02	-0.10	-0.05	-0.001	-0.10	0.0325	-1.7	-0.2	-1.0	-1.0
0627	10/16/89	-0.10	-0.001	-0.05	-0.01	-0.01	-0.05	0.03	-0.10	-0.05	0.002	-0.10	0.0181	-1.6	3.3	1.1	3.8
0627	1/4/90	-0.10	-0.001	-0.05	-0.01	-0.01	-0.05	0.03	-0.10	-0.05	-0.001	-0.10	0.0140	-3.0	-0.2	2.4	3.4
0627	4/3/90	-0.10	-0.001	-0.05	-0.01	-0.01	-0.05	0.06	-0.10	-0.05	0.001	-0.10	0.0150	-1.4	-0.2	-1.0	1.1
0627	7/2/90	-0.10	-0.001	-0.05	-0.01	-0.01	-0.05	0.05	-0.10	-0.05	-0.001	-0.10	0.0175	-1.3	-0.2	1.9	-1.0
0627	10/2/90	-0.10	-0.001	-0.05	-0.01	0.01	-0.05	0.05	-0.10	-0.05	-0.001	-0.10	0.0140	-1.2	-0.2	-1.0	-1.0
0627	1/15/91	0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.03	-0.10	-0.05	-0.001	-0.10	0.0176	-1.2	-0.2	-1.0	-1.0
0627	4/2/91	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.03	-0.10	-0.05	-0.001	-0.10	0.0490	4.8	-0.2	-1.0	1.0
0627	7/16/91	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.03	-0.10	-0.05	-0.001	-0.10	0.0140	-3.0	-0.2	-1.0	-1.0

Refer to page 1 for explanatory notes

TABLE B.1

SOUTHWEST ALLUVIUM DATA SUMMARY
1989 - 2000

Well No.	Date	Water Elevation (ft AMSL)	Field pH (SU)	Lab pH (SU)	Lab TDS (mg/L)	Ca (mg/L)	Mg (mg/L)	Na (mg/L)	K (mg/L)	HCO_3 (mg/L)	SO_4 (mg/L)	Cl (mg/L)	NH_4 as N (mg/L)	NO_3 as N (mg/L)	Chloro-form (mg/L)	Naphtha-lene (mg/L)	Cyanide (mg/L)
	NRC Standard	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00100	0.001	0.005
	EPA Standard	NA	NA	NA	4,800	NA	NA	NA	NA	NA	2,125	250	NA	190	NA	NA	NA
0627	10/14/91	6845.60	6.7	7.37	4,623	448	221	342	2.7	622	2,161	55.7	-0.05	104	-0.00100	-0.001	-0.005
0627	1/14/92	6845.40	6.6	7.12	4,623	490	246	342	2.8	619	2,317	54.7	-0.05	101	-0.00100	-0.001	-0.005
0627	4/9/92	6845.10	6.6	7.91	4,623	543	283	424	3.2	605	2,346	52.3	-0.05	68.4	-0.00100	-0.001	-0.005
0627	7/7/92	6844.90	6.5	8.00	4,623	585	280	468	4.2	588	2,403	59.2	0.13	108	-0.00100	-0.001	-0.005
0627	10/7/92	6844.60	6.8	7.45	4,623	563	257	484	5.0	593	2,402	56.3	-0.05	125	-0.00100	-0.001	-0.005
0627	1/7/93	6844.40	6.8	7.88	4,623	556	264	408	2.8	576	2,324	57.4	-0.05	116	-0.00100	-0.001	-0.005
0627	4/7/93	6844.30	6.8	7.59	4,623	546	228	448	2.3	553	2,341	61.0	-0.05	100	-0.00100	-0.001	-0.005
0627	7/14/93	6843.80	6.9	7.21	5,045	645	255	512	2.6	570	2,476	72.5	-0.05	99.3	-0.00100	-0.001	-0.005
0627	10/7/93	6843.60	6.9	7.57	5,187	568	239	453	2.3	532	2,548	62.4	0.05	133	-0.00100	-0.001	-0.005
0627	1/6/94	6843.40	6.9	7.51	4,941	563	246	474	2.6	512	2,693	63.1	-0.05	61.0	-0.00100		
0627	4/13/94	6843.20	7.0	7.15	4,787	564	242	486	2.6	510	2,428	58.5	0.12	107	-0.00100		
0627	7/21/94	6842.90	6.9	7.53	4,899	620	259	455	2.9	529	2,908	54.6	-0.05	108	-0.00100		
0627	10/5/94	6842.90	6.9	7.86	5,024	610	282	535	3.6	549	2,719	62.6	-0.05	137	-0.00100		
0627	1/5/95	6842.60	6.9	7.49	5,292	634	280	530	4.2	540	2,650	58.9	0.15	105	-0.00100		
0627	4/5/95	6842.50	6.9	7.22	5,324	540	275	505	3.9	542	2,682	66.0	0.24	125	-0.00100		
0627	7/6/95	6842.00	6.9	7.91	5,112	585	315	490	3.6	560	2,555	61.0	-0.05	90.5	-0.00100		
0627	10/3/95	6841.80	6.9	7.65	5,241	580	280	535	3.9	544	2,760	58.0	0.48	126	-0.00100		
0627	1/3/96	6841.70	7.1	7.52	5,293	640	300	531	3.6	542	2,995	60.0	-0.05	131	-0.00100		
0627	4/2/96	6841.50	7.1	8.06	5,230	570	287	530	3.6	558	2,740	65.1	-0.05	129	-0.00100		
0627	7/7/96	6841.20	6.8	7.56	5,403	585	280	570	4.1	534	2,725	64.0	0.13	113	-0.00100		
0627	10/1/96	6841.00	6.8	7.23	4,980	592	277	470	3.5	575	2,468	54.0	-0.05	119	-0.00100		
0627	1/22/97	6840.80	6.8	7.85	5,020	595	290	503	3.7	577	2,673	63.3	-0.05	121	-0.00100		
0627	4/8/97	6840.50	6.9	7.59	5,240	590	286	578	4.1	564	2,524	56.6	-0.05	153	-0.00100		
0627	7/8/97	6840.20	7.4	7.75	5,600	616	303	543	4.3	560	2,570	64.1	-0.05	190	-0.00100		
0627	10/7/97	6840.20	6.6	7.69	4,960	601	276	439	3.5	599	2,440	66.0	-0.05	122	-0.00100		
0627	1/16/98	6840.00	7.3	7.91	5,260	582	289	545	4.6	682	2,850	70.6	1.28	107	-0.00100		
0627	4/7/98	6840.20	6.9	7.74	5,200	621	294	508	3.9	590	2,400	54.6	-0.05	141	-0.00100		
0627	7/7/98	6840.00	7.2	7.80	5,210	598	288	529	4.3	588	2,500	59.6	0.05	133	-0.00100		
0627	10/6/98	6839.80	7.0	7.85	5,380	589	288	530	4.8	579	2,670	61.5	0.06	109	-0.00100		
0627	1/6/99	6839.50	7.7	8.02	5,340	566	284	509	4.8	586	2,740	60.0	0.17	142	-0.00100		
0627	4/6/99	6839.50	7.1	7.84	5,650	580	309	504	4.7	580	2,660	68.0	0.27	131	-0.00100		
0627	7/13/99	6839.22	7.0	8.21	5,320	579	308	498	10.6	594	2,620	67.7	0.17	128	-0.00100		
0627	10/5/99	6839.20	7.1	7.70	5,320	521	274	512	5.1	594	2,320	58.5	0.38	127	-0.00100		
0627	2/22/00	6839.10	7.0	8.10	5,150	530	283	425	7.3	597	2,430	57.2	0.14	144	-0.00100		
0627	6/21/00	6839.00	7.0	7.65	5,200	535	278	501	4.1	588	2,370	55.3	-0.05	144	-0.00100		
0627	7/18/00	6838.60	7.0	7.91	5,320	567	292	502	4.3	590	2,390	53.3	-0.05	149	-0.00100		
0632*	10/16/89	6874.00	6.8	7.10	6,466	781	671	408	10.7	2,257	2,578	246	0.47	95.0	-0.00100	-0.001	-0.005
0632*	1/10/90	6872.30	6.4	6.54	6,860	783	712	407	8.4	2,111	2,747	251	0.43	83.0	-0.00100	-0.001	-0.005
0632*	4/10/90	6870.40	6.3	7.16	6,977	778	688	380	7.4	2,208	2,677	258	0.44	107	-0.00100	-0.001	-0.005

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TABLE B.1

SOUTHWEST ALLUVIUM DATA SUMMARY
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Well No.	Date	Al (mg/L)	As (mg/L)	Be (mg/L)	Cd (mg/L)	Co (mg/L)	Pb (mg/L)	Mn (mg/L)	Mo (mg/L)	Ni (mg/L)	Se (mg/L)	V (mg/L)	U (mg/L)	Ra-226+ Ra-228 (pCi/L)	Th-230 (pCi/L)	Pb-210 (pCi/L)	Gross Alpha (pCi/L)
	NRC Standard	NA	0.05	0.05	0.01	NA	0.05	NA	NA	0.05	0.01	0.10	0.3	5.0	5.0	1.0	15.0
	EPA Standard	5.0	0.05	0.02	0.01	0.05	0.05	2.60	1.00	0.2	0.01	0.70	5.0	5.0	NA	NA	15.0
0627	10/14/91	-0.10	0.001	-0.01	-0.01	0.01	-0.05	0.05	-0.10	-0.05	0.002	-0.10	0.0200	-1.7	-0.2	-1.0	-1.0
0627	1/14/92	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.07	-0.10	-0.05	0.002	-0.10	0.0170	2.1	-0.2	-1.0	-1.0
0627	4/9/92	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.03	-0.10	-0.05	0.003	-0.10	0.0190	-3.1	-0.2	1.2	-1.0
0627	7/7/92	-0.10	-0.001	-0.10	-0.01	-0.01	-0.05	0.05	-0.10	-0.05	0.001	-0.10	0.0200	-1.7	-0.2	-1.0	-1.0
0627	10/7/92	-0.10	-0.001	-0.10	-0.01	-0.01	-0.05	0.06	-0.10	-0.05	0.003	-0.10	0.0250	2.8	-0.2	1.7	-1.0
0627	1/7/93	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.06	-0.10	-0.05	0.014	-0.10	0.0180	2.0	-0.2	-1.0	-1.0
0627	4/7/93	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.08	-0.10	-0.05	0.004	-0.10	0.0330	-1.2	-0.2	1.2	-1.0
0627	7/14/93	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.08	-0.10	-0.05	0.018	-0.10	0.0160	2.9	-0.2	-1.0	-1.0
0627	10/7/93	-0.10	-0.001	-0.01	-0.01	0.02	-0.05	0.08	-0.10	-0.05	0.009	-0.10	0.0120	-1.6	-0.2	-1.0	-1.0
0627	1/6/94	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.08	-0.10	-0.05	0.003	-0.10	0.0150	-1.9	-0.2	-1.0	-1.0
0627	4/13/94	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.09	-0.10	-0.05	0.002	-0.10	0.0150	-1.8	-0.2	3.2	-1.0
0627	7/21/94	-0.10	0.001	-0.01	-0.01	-0.01	-0.05	0.09	-0.10	-0.05	0.003	-0.10	0.0170	3.2	-0.2	-1.0	4.6
0627	10/5/94	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.08	-0.10	-0.05	0.001	-0.10	0.0160	-1.4	-0.2	-1.0	-1.0
0627	1/5/95	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.09	-0.10	-0.05	-0.001	-0.10	0.0160	-1.3	-0.2	-1.0	-1.0
0627	4/5/95	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.07	-0.10	-0.05	-0.001	-0.10	0.0160	-2.2	-0.2	1.4	1.4
0627	7/6/95	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.07	-0.10	-0.05	0.003	-0.10	0.0205	-1.8	0.3	-1.0	1.4
0627	10/3/95	-0.10	0.001	-0.01	-0.01	-0.01	-0.05	0.09	-0.10	-0.05	0.019	-0.10	0.0168	-1.2	-0.2	1.7	2.0
0627	1/3/96	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.07	-0.10	-0.05	0.001	-0.10	0.0180	-1.7	1.2	2.4	1.2
0627	4/2/96	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.07	-0.10	-0.05	-0.001	-0.10	0.0190	-1.5	-0.2	-1.0	-1.0
0627	7/7/96	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.13	-0.10	-0.05	-0.001	-0.10	0.0240	-1.3	-0.2	-1.0	-1.0
0627	10/1/96	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.09	-0.10	-0.05	0.002	-0.10	0.0240	-1.0	-0.2	-1.0	-1.0
0627	1/22/97	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.11	-0.10	-0.05	-0.001	-0.10	0.0180	-1.5	-0.2	-1.0	-1.0
0627	4/8/97	-0.10	-0.001	-0.01	-0.01	0.01	-0.05	0.10	-0.10	-0.05	0.195	-0.10	0.0200	-1.4	-0.2	-1.0	-1.0
0627	7/8/97	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.10	-0.10	-0.05	-0.001	-0.10	0.0200	-0.9	-0.2	-1.0	-1.0
0627	10/7/97	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.12	-0.10	-0.05	-0.001	-0.10	0.0230	-1.8	-0.2	-1.0	-1.0
0627	1/16/98	-0.10	-0.001	-0.01	-0.01	0.02	-0.05	1.47	-0.10	-0.05	-0.001	-0.10	0.0222	-1.9	-0.2	-1.0	-1.0
0627	4/7/98	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	0.12	-0.10	-0.05	-0.001	-0.10	0.0221	-1.7	-0.2	-1.0	-1.0
0627	7/7/98	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	0.10	-0.10	-0.05	-0.001	-0.10	0.0233	4.2	-0.2	-1.0	-1.0
0627	10/6/98	-0.10	-0.001	-0.01	0.005	-0.01	-0.05	0.14	-0.10	-0.05	0.001	-0.10	0.0345	-2.2	-0.2	-1.0	-1.0
0627	1/6/99	-0.10	-0.001	-0.01	0.006	-0.01	-0.05	0.22	-0.10	-0.05	-0.001	-0.10	0.0239	-1.2	-0.2	-1.0	-1.0
0627	4/6/99	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	0.18	-0.10	-0.05	0.002	-0.10	0.0233	3.5	-0.2	-1.0	-1.0
0627	7/13/99	-0.10	-0.001	-0.01	-0.005	0.02	-0.05	0.08	-0.10	-0.05	-0.001	-0.10	0.0020	-1.8	-0.2	3.0	2.9
0627	10/5/99	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	0.73	-0.10	-0.05	0.002	-0.10	0.0247	-2.3	-0.2	-1.0	-1.0
0627	2/22/00	-0.10	-0.001	-0.01	-0.005	0.06	-0.05	0.86	-0.10	-0.05	0.003	-0.10	0.0233	6.1	-0.2	-1.0	5.5
0627	6/21/00	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	0.10	-0.10	-0.05	-0.001	-0.10	0.0259	6.7	-0.2	5.7	-1.0
0627	7/18/00	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	0.11	-0.10	-0.05	-0.001	-0.10	0.0003	3.1	-0.2	-1.0	-1.0
0632*	10/16/89	-0.10	-0.001	-0.05	-0.01	-0.01	-0.05	0.12	-0.10	-0.05	0.003	-0.10	0.1110	2.9	-0.2	-1.0	-1.0
0632*	1/10/90	-0.10	-0.001	-0.05	-0.01	0.04	-0.05	0.15	-0.10	0.07	0.003	-0.10	0.0840	2.6	-0.2	-1.0	1.2
0632*	4/10/90	-0.10	-0.001	-0.05	-0.01	0.03	-0.05	0.24	-0.10	-0.05	0.003	-0.10	0.0840	2.6	-0.2	-1.0	1.2

Refer to page 1 for explanatory notes

TABLE B.1

SOUTHWEST ALLUVIUM DATA SUMMARY
1989 - 2000

Well No.	Date	Water Elevation (ft AMSL)	Field pH (SU)	Lab pH (SU)	Lab TDS (mg/L)	Ca (mg/L)	Mg (mg/L)	Na (mg/L)	K (mg/L)	HCO_3 (mg/L)	SO_4 (mg/L)	Cl (mg/L)	NH_4 as N (mg/L)	NO_3 as N (mg/L)	Chloro-form (mg/L)	Naphtha-lene (mg/L)	Cyanide (mg/L)
	NRC Standard	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00100	0.001	0.005
	EPA Standard	NA	NA	NA	4,800	NA	NA	NA	NA	NA	2,125	250	NA	190	NA	NA	NA
0632*	7/10/90	6871.10	6.3	6.86	7,355	819	674	412	7.9	2,296	3,007	248	0.37	124	-0.00100	-0.001	-0.005
0632*	10/9/90	6870.40	6.2	7.27	7,558	839	707	433	9.0	2,239	2,945	258	0.52	106	-0.00100	-0.001	-0.005
0632*	1/10/91	6869.90	6.3	7.18	7,367	900	760	429	8.9	2,184	3,027	267	0.40	113	-0.00100	-0.001	-0.005
0632*	4/11/91	6869.90	6.2	7.36	7,346	857	663	451	9.4	2,285	3,053	274	0.37	146	-0.00100	-0.001	-0.005
0632*	7/9/91	6868.30	6.3	6.68	7,472	833	636	390	6.9	2,336	2,964	273	0.61	117	-0.00100	-0.001	-0.005
0632*	10/17/91	6867.50	6.1	7.08	7,677	886	630	426	8.4	2,510	2,959	267	0.72	87.6	-0.00100	-0.001	-0.005
0632*	1/21/92	6867.60	6.2	6.95	7,030	747	758	424	7.2	2,211	3,200	261	0.60	76.1	-0.00100	-0.001	-0.005
0632*	4/14/92	6868.30	6.1	7.56	7,706	677	557	460	9.1	2,184	3,126	263	0.55	75.7	-0.00100	-0.001	-0.005
0632*	7/14/92	6864.50	6.0	8.05	6,323	815	547	451	11.3	1,568	2,948	265	0.36	119	-0.00100	-0.001	-0.005
0632*	10/13/92	6863.00	6.4	7.02	6,472	719	594	417	7.4	2,495	2,903	269	0.18	89.5	-0.00100	-0.001	-0.005
0632*	1/12/93	6864.80	6.4	7.02	5,933	750	571	438	11.2	1,220	3,037	265	0.24	92.7	-0.00100	-0.001	-0.005
0632*	4/14/93	6865.60	6.4	7.11	6,925	696	633	433	6.7	2,113	2,962	269	0.31	95.3	-0.00100	-0.001	-0.005
0632*	7/15/93	6862.20	6.4	6.72	6,303	701	607	426	9.1	2,098	3,107	264	0.19	62.1	-0.00100	-0.001	-0.005
0632*	10/7/93	6860.40	6.5	7.10	5,715	676	555	384	6.6	2,240	2,392	255	0.13	56.6	-0.00100	-0.001	-0.005
0632*	1/6/94	6862.40	6.5	7.51	6,091	690	549	409	6.9	1,984	2,705	252	0.17	36.5	0.00100		
0632*	4/14/94	6862.50	6.4	6.74	5,930	683	579	426	7.8	2,063	2,807	251	0.33	25.9	-0.00100		
0632*	7/21/94	6862.70	6.4	7.19	6,160	745	632	383	7.5	2,123	3,080	246	0.23	30.3	-0.00100		
0632*	10/5/94	6861.10	6.3	7.47	6,288	692	619	431	8.1	2,200	2,689	255	0.23	20.9	-0.00100		
0632*	1/10/95	6861.70	6.4	7.45	6,458	708	655	348	8.2	2,184	2,857	250	0.41	21.9	-0.00100		
0632*	4/5/95	6860.90	6.5	6.93	6,453	685	650	420	10.8	2,119	2,905	250	2.51	23.9	-0.00100		
0632*	7/6/95	6860.30	6.4	7.52	6,335	696	646	393	8.5	2,281	2,647	285	0.43	24.1	-0.00100		
0632*	10/3/95	6860.30	6.3	7.52	6,319	695	585	374	8.2	2,247	2,745	250	0.44	16.8	-0.00100		
0632*	1/4/96	6859.10	6.5	7.59	6,294	760	625	378	7.9	2,239	2,595	250	0.22	16.4	-0.00100		
0632*	4/2/96	6859.30	6.6	7.82	5,940	650	585	384	8.1	1,807	2,715	278	0.26	17.4	-0.00100		
0632*	7/7/96	6858.80	6.4	7.40	6,258	671	589	397	8.8	2,035	2,749	233	0.29	10.9	0.00168		
0632*	10/1/96	6859.30	6.5	6.92	6,280	676	602	396	8.5	2,050	2,758	255	0.20	11.5	0.00100		
0632*	1/22/97	6858.60	6.5	7.49	6,120	670	590	379	8.7	2,130	2,740	285	0.20	10.0			
0632*	4/8/97	6858.30	6.5	7.75	6,180	679	591	369	8.6	2,010	2,694	287	0.20	9.80	0.00105		
0632*	7/8/97	6858.80	6.8	7.64	6,330	707	613	362	8.5	2,020	2,560	264	0.18	8.15	0.00114		
0632*	10/6/97	6858.40	6.4	7.63	6,170	679	592	369	8.4	2,020	2,740	290	0.12	6.37	0.00148		
0632*	1/14/98	6858.10	6.6	7.68	6,170	660	573	383	9.3	2,020	2,900	288	0.27	7.24	0.00190		
0632*	4/6/98	6857.90	6.5	7.39	5,970	681	594	385	8.4	2,030	2,500	234	0.10	7.95	0.00190		
0632*	7/6/98	6858.10	6.7	7.81	6,250	658	594	392	8.5	1,880	2,600	264	0.26	5.00	0.00230		
0632*	10/6/98	6859.00	6.6	7.71	6,200	664	598	401	9.1	1,820	2,730	279	0.22	7.89	0.00240		
0632*	1/5/99	6857.40	6.7	7.82	6,200	629	559	331	8.6	1,930	2,440	242	0.21	5.94	0.00160		
0632*	4/6/99	6857.30	6.6	7.90	6,320	662	594	354	8.1	1,890	2,720	251	0.21	6.37	0.00150		
0632*	7/13/99	6857.09	6.3	7.78	6,140	651	602	336	14.3	1,910	2,830	244	0.21	5.72	0.00180		
0632*	10/5/99	6858.10	6.6	7.75	6,060	691	667	375	8.3	1,850	3,140	235	0.16	6.03	0.00210		
0632*	2/22/00	6857.60	6.6	7.93	6,210	581	555	283	10.8	1,790	2,610	217	0.24	4.44	0.00200		

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TABLE B.1

SOUTHWEST ALLUVIUM DATA SUMMARY
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Well No.	Date	Al (mg/L)	As (mg/L)	Be (mg/L)	Cd (mg/L)	Co (mg/L)	Pb (mg/L)	Mn (mg/L)	Mo (mg/L)	Ni (mg/L)	Se (mg/L)	V (mg/L)	U (mg/L)	Ra-226+ Ra-228 (pCi/L)	Th-230 (pCi/L)	Pb-210 (pCi/L)	Gross Alpha (pCi/L)
	NRC Standard	NA	0.05	0.05	0.01	NA	0.05	NA	NA	0.05	0.01	0.10	0.3	5.0	5.0	1.0	15.0
	EPA Standard	5.0	0.05	0.02	0.01	0.05	0.05	2.60	1.00	0.2	0.01	0.70	5.0	5.0	NA	NA	15.0
0632*	7/10/90	-0.10	-0.001	-0.05	-0.01	0.01	-0.05	0.27	-0.10	-0.05	0.004	-0.10	0.0785	2.8	-0.2	-1.0	1.0
0632*	10/9/90	-0.10	-0.001	-0.05	-0.01	0.02	-0.05	0.22	-0.10	-0.05	0.003	-0.10	0.1312	2.8	-0.2	-1.0	-1.0
0632*	1/10/91	-0.10	0.002	-0.01	-0.01	0.02	-0.05	0.25	-0.10	0.05	0.005	-0.10	0.0795	-3.2	-0.2	-1.0	2.7
0632*	4/11/91	-0.10	0.002	-0.01	-0.01	0.02	-0.05	0.29	-0.10	-0.05	0.005	-0.10	0.0931	-2.1	-0.2	-1.0	1.0
0632*	7/9/91	0.14	-0.001	-0.01	-0.01	-0.01	-0.05	0.25	-0.10	-0.05	0.003	-0.10	0.0818	2.5	-0.2	-1.0	-1.0
0632*	10/17/91	-0.10	0.001	-0.01	-0.01	-0.01	-0.05	0.43	-0.10	-0.05	0.018	-0.10	0.1690	-1.8	-0.2	1.6	-1.0
0632*	1/21/92	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.25	-0.10	-0.05	0.004	-0.10	0.0720	3.8	-0.2	-1.0	1.0
0632*	4/14/92	-0.10	0.002	-0.01	-0.01	-0.01	-0.05	0.28	-0.10	-0.05	0.008	-0.10	0.0800	4.6	-0.2	1.6	-1.0
0632*	7/14/92	-0.10	0.001	-0.01	-0.01	-0.01	-0.05	0.16	-0.10	-0.05	0.003	-0.10	0.0950	3.3	-0.2	4.2	2.5
0632*	10/13/92	-0.10	-0.001	-0.01	-0.01	0.02	-0.05	0.16	-0.10	-0.05	0.003	-0.10	0.1470	7.7	-0.2	-1.0	1.5
0632*	1/12/93	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	1.85	-0.10	-0.05	0.004	-0.10	0.0680	5.6	-0.2	-1.0	1.5
0632*	4/14/93	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.32	-0.10	-0.05	0.002	-0.10	0.1130	8.4	1.3	1.2	8.1
0632*	7/15/93	-0.10	-0.001	-0.01	-0.01	0.01	-0.05	0.18	-0.10	-0.05	0.005	-0.10	0.0820	-2.2	-0.2	-1.0	1.5
0632*	10/7/93	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.27	-0.10	-0.05	0.003	-0.10	0.0930	2.9	-0.2	1.2	1.8
0632*	1/6/94	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.34	-0.10	-0.05	-0.001	-0.10	0.0820	5.0	-0.2	-1.0	7.7
0632*	4/14/94	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.37	-0.10	-0.05	0.001	-0.10	0.0880	4.1	-0.2	2.4	5.5
0632*	7/21/94	-0.10	0.002	-0.01	-0.01	-0.01	-0.05	0.39	-0.10	-0.05	0.002	-0.10	0.0900	6.0	-0.2	-1.0	8.7
0632*	10/5/94	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.42	-0.10	-0.05	-0.001	-0.10	0.0800	-2.0	-0.2	3.6	1.2
0632*	1/10/95	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.43	-0.10	-0.05	-0.001	-0.10	0.0860	-3.0	-0.2	1.7	3.7
0632*	4/5/95	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.52	-0.10	-0.05	0.002	-0.10	0.0770	4.3	-0.2	1.1	6.0
0632*	7/6/95	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.50	-0.10	-0.05	0.002	-0.10	0.0954	-2.6	0.4	-1.0	4.2
0632*	10/3/95	-0.10	0.003	-0.01	-0.01	-0.01	-0.05	0.11	-0.10	-0.05	-0.001	-0.10	0.0899	-2.1	-0.2	3.3	2.6
0632*	1/4/96	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.74	-0.10	-0.05	-0.001	-0.10	0.0920	-2.7	0.3	1.2	1.8
0632*	4/2/96	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.55	-0.10	-0.05	-0.001	-0.10	0.0900	-1.8	-0.2	-1.0	5.8
0632*	7/7/96	-0.10	0.014	-0.01	-0.01	-0.01	-0.05	0.61	-0.10	-0.05	0.012	-0.10	0.0920	1.3	-0.2	-1.0	-1.0
0632*	10/1/96	-0.10	0.001	-0.01	-0.01	-0.01	-0.05	0.57	-0.10	-0.05	0.002	-0.10	0.0780	-1.3	-0.2	-1.0	3.4
0632*	1/22/97	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.63	-0.10	-0.05	-0.001	-0.10	0.0770	-1.9	-0.2	-1.0	-1.0
0632*	4/8/97	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.63	-0.10	-0.05	-0.001	-0.10	0.0880	4.2	-0.2	-1.0	-1.0
0632*	7/8/97	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.57	-0.10	-0.05	-0.001	-0.10	0.0770	5.8	-0.2	-1.0	-1.0
0632*	10/6/97	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.82	-0.10	-0.05	-0.001	-0.10	0.0750	-1.7	-0.2	-1.0	-1.0
0632*	1/14/98	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.75	-0.10	-0.05	-0.001	-0.10	0.0890	-1.9	-0.2	-1.0	2.0
0632*	4/6/98	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	0.71	-0.10	-0.05	0.005	-0.10	0.0860	-2.6	-0.2	-1.0	-1.0
0632*	7/6/98	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	0.72	-0.10	-0.05	-0.001	-0.10	0.0859	5.1	-0.2	-1.0	-1.0
0632*	10/6/98	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	0.74	-0.10	-0.05	-0.001	-0.10	0.1440	-2.3	-0.2	-1.0	2.4
0632*	1/5/99	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	0.66	-0.10	-0.05	-0.001	-0.10	0.0817	-1.2	-0.2	-1.0	-1.0
0632*	4/6/99	-0.10	-0.001	-0.01	0.008	-0.01	-0.05	0.70	-0.10	-0.05	-0.001	-0.10	0.1240	-2.7	-0.2	-1.0	-1.0
0632*	7/13/99	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	0.72	-0.10	-0.05	-0.001	-0.10	0.0775	-1.5	-0.2	2.9	3.5
0632*	10/5/99	-0.10	-0.001	-0.01	0.006	-0.01	-0.05	0.85	-0.10	-0.05	0.001	-0.10	0.0795	-3.1	-0.2	-1.0	1.6
0632*	2/22/00	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	0.87	-0.10	-0.05	0.001	-0.10	0.0704	-2.3	-0.2	-1.0	2.1

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TABLE B.1

SOUTHWEST ALLUVIUM DATA SUMMARY
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Well No.	Date	Water Elevation (ft AMSL)	Field pH (SU)	Lab pH (SU)	Lab TDS (mg/L)	Ca (mg/L)	Mg (mg/L)	Na (mg/L)	K (mg/L)	HCO_3 (mg/L)	SO_4 (mg/L)	Cl (mg/L)	NH_4 as N (mg/L)	NO_3 as N (mg/L)	Chloro-form (mg/L)	Naphtha-lene (mg/L)	Cyanide (mg/L)
	NRC Standard	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00100	0.001	0.005
	EPA Standard	NA	NA	NA	4,800	NA	NA	NA	NA	NA	2,125	250	NA	190	NA	NA	NA
0632*	6/21/00	6856.90	6.3	7.60	6,020	579	560	366	8.3	1,800	2,640	238	0.05	2.44	0.00280		
0632*	7/12/00	6856.90	6.3	6.98	6,070	595	580	366	8.1	1,810	2,510	239	0.08	2.92	0.00200		
0639	1/11/90	6939.60	6.7	7.13	4,734	444	478	186	5.6	497	2,830	37.5	0.11	3.40	-0.00100	-0.001	-0.005
0639	4/10/90	6939.00	6.7	7.48	5,351	467	590	193	5.6	565	3,153	40.1	0.11	3.30	-0.00100	-0.001	-0.005
0639	7/10/90	6938.60	6.7	7.08	5,461	419	583	194	5.1	583	3,265	39.0	-0.05	3.00	-0.00100	-0.001	-0.005
0639	10/9/90	6938.40	6.7	7.59	4,043	305	464	176	6.5	516	2,452	27.1	-0.05	2.05	-0.00100	-0.001	-0.005
0639	1/17/91	6938.00	6.2	7.25	4,672	382	508	178	6.3	508	2,944	32.0	-0.05	2.00	-0.00100	-0.001	-0.005
0639	4/10/91	6937.80	6.5	7.51	4,523	347	531	173	7.8	551	2,690	29.2	-0.05	4.80	-0.00100	-0.001	-0.005
0639	7/10/91	6937.40	6.5	7.26	4,877	309	449	150	5.6	555	3,046	27.6	-0.05	3.30	-0.00100	-0.001	-0.005
0639	10/17/91	6937.00	6.4	7.37	4,899	412	531	158	7.1	626	2,803	40.8	-0.05	4.40	-0.00100	-0.001	-0.005
0639	1/21/92	6936.80	6.4	7.20	4,330	409	510	153	5.3	620	2,792	29.4	-0.05	2.93	-0.00100	-0.001	-0.005
0639	4/13/92	6936.70	6.3	7.54	5,005	363	499	165	6.1	618	2,922	33.5	-0.05	3.31	-0.00100	-0.001	-0.005
0639	7/14/92	6936.50	6.3	7.36	4,857	393	507	175	6.6	616	2,845	28.0	-0.05	3.74	-0.00100	-0.001	-0.005
0639	10/13/92	6936.40	6.4	7.55	4,661	335	437	154	6.6	619	2,801	27.0	0.13	2.10	-0.00100	-0.001	-0.005
0639	1/21/93	6936.10	6.5	7.09	3,924	340	416	131	5.8	570	2,359	23.3	0.15	2.00	-0.00100	-0.001	-0.005
0639	4/14/93	6936.00	6.6	7.85	3,417	301	343	123	3.7	561	1,988	18.6	0.07	2.00	-0.00100	-0.001	-0.005
0639	7/15/93	6935.70	6.6	6.91	3,046	300	300	123	6.9	576	1,959	19.2	0.19	1.63	-0.00100	-0.001	-0.005
0639	10/6/93	6934.60	6.6	6.76	3,060	264	321	115	3.6	539	1,862	16.8	-0.05	2.30	-0.00100	-0.001	-0.005
0639	1/5/94	6935.60	6.5	7.38	3,018	323	325	104	3.3	559	1,781	17.0	0.22	1.38	-0.00100		
0639	4/13/94	6935.30	6.7	7.10	3,058	303	304	104	2.8	458	1,862	15.8	0.18	1.31	-0.00100		
0639	10/5/94	6935.50	6.6	7.99	3,396	368	348	119	2.6	373	2,142	16.3	0.15	1.61	-0.00100		
0642	10/8/89	6927.50	6.8	7.40	4,140	634	227	177	3.6	414	2,182	37.9	0.08	93.0	-0.00100	-0.001	-0.005
0642	1/11/90	6926.50	6.8	7.20	4,080	628	229	174	2.6	421	2,176	26.5	0.06	85.0	-0.00100	-0.001	-0.005
0642	4/10/90	6925.70	6.8	7.50	4,161	634	250	171	2.4	430	2,129	35.7	0.12	75.0	-0.00100	-0.001	-0.005
0642	7/10/90	6924.80	6.9	7.30	4,232	714	263	171	1.9	426	2,209	34.0	-0.05	83.4	-0.00100	-0.001	-0.005
0642	10/9/90	6924.10	6.7	7.62	4,168	582	242	174	3.2	415	2,319	34.4	-0.05	66.9	-0.00100	-0.001	-0.005
0642	1/17/91	6923.50	6.7	7.58	4,131	676	268	181	2.4	414	2,323	35.1	-0.05	61.5	-0.00100	-0.001	-0.005
0642	4/10/91	6922.80	6.8	7.84	4,110	623	273	162	4.4	432	2,216	34.1	-0.05	87.0	-0.00100	-0.001	-0.005
0642	7/10/91	6922.20	6.7	7.49	4,089	625	257	155	2.8	423	2,309	33.1	-0.05	68.1	-0.00100	-0.001	-0.005
0642	10/17/91	6921.60	6.7	7.52	4,093	639	233	167	3.6	442	2,229	34.5	-0.05	55.4	-0.00100	-0.001	-0.005
0642	1/21/92	6920.60	6.8	7.35	4,133	684	223	158	2.4	425	2,307	75.0	-0.05	38.1	-0.00100	-0.001	-0.005
0642	4/13/92	6920.00	6.7	7.43	4,096	562	238	185	3.1	399	1,851	31.5	-0.05	29.0	-0.00100	-0.001	-0.005
0642	7/14/92	6919.30	6.4	7.72	4,196	668	266	183	3.2	405	2,518	28.4	-0.05	46.0	-0.00100	-0.001	-0.005
0642	10/13/92	6918.50	6.8	7.59	3,909	617	260	169	3.0	422	2,721	29.0	-0.05	45.9	-0.00100	-0.001	-0.005
0642	1/21/93	6917.60	6.9	7.52	4,295	642	268	157	3.5	422	2,575	31.6	-0.05	32.8	-0.00100	-0.001	-0.005
0642	4/14/93	6917.00	7.0	7.95	4,460	640	283	166	2.2	453	2,621	30.4	-0.05	35.1	-0.00100	-0.001	-0.005
0642	7/15/93	6916.20	7.0	7.02	4,023	598	266	182	5.1	478	2,657	33.0	0.08	2.20	-0.00100	-0.001	-0.005
0642	10/6/93	6912.90	7.1	7.10	4,659	598	325	192	2.2	432	2,849	28.6	-0.05	29.5	-0.00100	-0.001	-0.005
0642	1/5/94	6915.00	7.1	7.68	4,362	580	326	150	2.8	450	2,709	29.5	-0.05	22.3	-0.00100		

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TABLE B.1

SOUTHWEST ALLUVIUM DATA SUMMARY
1989 - 2000

Well No.	Date	Al (mg/L)	As (mg/L)	Be (mg/L)	Cd (mg/L)	Co (mg/L)	Pb (mg/L)	Mn (mg/L)	Mo (mg/L)	Ni (mg/L)	Se (mg/L)	V (mg/L)	U (mg/L)	Ra-226+ Ra-228 (pCi/L)	Th-230 (pCi/L)	Pb-210 (pCi/L)	Gross Alpha (pCi/L)
	NRC Standard	NA	0.05	0.05	0.01	NA	0.05	NA	NA	0.05	0.01	0.10	0.3	5.0	5.0	1.0	15.0
	EPA Standard	5.0	0.05	0.02	0.01	0.05	0.05	2.60	1.00	0.2	0.01	0.70	5.0	5.0	NA	NA	15.0
0632*	6/21/00	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	1.04	-0.10	-0.05	-0.001	-0.10	0.0774	-1.5	-0.2	-1.0	-1.0
0632*	7/12/00	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	0.79	-0.10	-0.05	-0.001	-0.10	0.0739	3.0	-0.2	-1.0	-1.0
0639	1/11/90	-0.10	-0.001	-0.05	-0.01	0.04	-0.05	0.41	-0.10	-0.05	-0.001	-0.10	0.2760	-1.2	3.4	-1.0	4.0
0639	4/10/90	-0.10	-0.001	-0.05	-0.01	-0.01	-0.05	0.56	-0.10	-0.05	0.002	-0.10	0.0960	2.5	-0.2	-1.0	1.7
0639	7/10/90	-0.10	-0.001	-0.05	-0.01	-0.01	-0.05	0.89	-0.10	-0.05	0.001	-0.10	0.2416	-1.2	-0.2	-1.0	-1.0
0639	10/9/90	-0.10	-0.001	-0.05	-0.01	0.02	-0.05	0.99	-0.10	-0.05	-0.001	-0.10	0.2623	-1.5	-0.2	1.9	-1.0
0639	1/17/91	0.12	-0.001	-0.01	-0.01	-0.01	-0.05	1.34	-0.10	-0.05	0.002	-0.10	0.1984	-2.4	-0.2	-1.0	1.9
0639	4/10/91	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	1.14	-0.10	-0.05	0.002	-0.10	0.1960	-1.2	-0.2	-1.0	-1.0
0639	7/10/91	-0.10	-0.001	-0.01	-0.01	0.01	-0.05	1.47	-0.10	-0.05	0.035	-0.10	0.2739	-2.0	-0.2	-1.0	1.0
0639	10/17/91	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	1.48	-0.10	-0.05	0.002	-0.10	0.2720	-1.2	-0.2	-1.0	-1.0
0639	1/21/92	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	1.27	-0.10	-0.05	0.002	-0.10	0.1700	2.5	-0.2	2.2	-1.0
0639	4/13/92	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	1.59	-0.10	-0.05	0.006	-0.10	0.3670	4.9	-0.2	3.3	2.2
0639	7/14/92	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	1.41	-0.10	-0.05	0.002	-0.10	0.2450	1.9	-0.2	1.9	-1.0
0639	10/13/92	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	1.51	-0.10	-0.05	0.003	-0.10	0.2230	4.3	-0.2	-1.0	-1.0
0639	1/21/93	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.07	-0.10	-0.05	0.002	-0.10	0.0940	-4.3	-0.2	3.9	-1.0
0639	4/14/93	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	1.67	-0.10	-0.05	0.003	-0.10	0.0800	12.0	-0.2	-1.0	6.4
0639	7/15/93	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	1.44	-0.10	-0.05	0.009	-0.10	0.1090	-1.2	-0.2	-1.0	-1.0
0639	10/6/93	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	1.15	-0.10	-0.05	0.003	-0.10	0.0710	4.9	-0.2	2.0	5.8
0639	1/5/94	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	1.71	-0.10	-0.05	-0.001	-0.10	0.1070	-4.8	-0.2	3.2	4.8
0639	4/13/94	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	1.18	-0.10	-0.05	0.002	-0.10	0.1100	-1.3	-0.2	7.2	-1.0
0639	10/5/94	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.80	-0.10	-0.05	-0.001	-0.10	0.0700	-7.2	-0.2	-1.0	10.8
0642	10/8/89	-0.10	-0.001	-0.05	-0.01	-0.01	-0.05	-0.01	-0.10	-0.05	0.002	-0.10	0.0830	4.0	3.6	-1.0	6.4
0642	1/11/90	-0.10	-0.001	-0.05	-0.01	-0.01	-0.05	-0.01	-0.10	-0.05	0.001	-0.10	0.0010	-1.2	0.2	-1.0	1.0
0642	4/10/90	-0.10	-0.001	-0.05	-0.01	0.01	-0.05	0.10	-0.10	-0.05	0.002	-0.10	0.0360	-5.7	4.3	-1.0	0.4
0642	7/10/90	-0.10	-0.001	-0.05	-0.01	0.02	-0.05	-0.01	-0.10	-0.05	0.002	-0.10	0.0550	-1.0	-0.2	-1.0	-1.0
0642	10/9/90	-0.10	-0.001	-0.05	-0.01	0.02	-0.05	0.02	-0.10	-0.05	-0.001	-0.10	0.0446	-1.2	-0.2	-1.0	-1.0
0642	1/17/91	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	-0.01	-0.10	-0.05	-0.001	-0.10	0.0357	-1.2	-0.2	-1.0	-1.0
0642	4/10/91	-0.10	-0.001	-0.01	-0.01	0.01	-0.05	-0.01	-0.10	-0.05	0.001	-0.10	0.0363	-1.2	-0.2	3.0	-1.0
0642	7/10/91	-0.10	-0.001	-0.01	-0.01	0.02	-0.05	-0.01	-0.10	-0.05	0.004	-0.10	0.0557	-1.8	-0.2	3.2	-1.0
0642	10/17/91	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	-0.03	-0.10	-0.05	0.002	-0.10	0.0400	-1.3	-0.2	-1.0	-1.0
0642	1/21/92	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	-0.01	-0.10	-0.05	0.002	-0.10	0.0290	-1.5	-0.2	-1.0	-1.0
0642	4/13/92	-0.10	-0.001	-0.01	-0.01	0.02	-0.05	0.04	-0.10	-0.05	0.002	-0.10	0.1080	-1.5	-0.2	-1.0	-1.0
0642	7/14/92	-0.10	0.001	-0.01	-0.01	-0.01	-0.05	0.05	-0.10	-0.05	0.003	-0.10	0.0500	1.5	-0.2	-1.0	-1.0
0642	10/13/92	-0.10	0.001	-0.01	-0.01	-0.01	-0.05	0.03	-0.10	-0.05	0.001	-0.10	0.0550	3.3	-0.2	-1.0	-1.0
0642	1/21/93	-0.10	0.001	-0.01	-0.01	-0.01	-0.05	0.05	-0.10	-0.05	0.003	-0.10	0.0460	-1.4	-0.2	2.7	1.3
0642	4/14/93	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.16	-0.10	-0.05	0.001	-0.10	0.0600	-1.7	-0.2	-1.0	-1.0
0642	7/15/93	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.10	-0.10	-0.05	0.003	-0.10	0.0510	-1.5	-0.2	-1.0	-1.0
0642	10/6/93	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.02	-0.10	-0.05	-0.001	-0.10	0.0360	1.8	-0.2	-1.0	-1.0
0642	1/5/94	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.05	-0.10	-0.05	-0.001	-0.10	0.0460	-1.4	-0.2	3.1	-1.0

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TABLE B.1

SOUTHWEST ALLUVIUM DATA SUMMARY
1989 - 2000

Well No.	Date	Water Elevation (ft AMSL)	Field pH (SU)	Lab pH (SU)	Lab TDS (mg/L)	Ca (mg/L)	Mg (mg/L)	Na (mg/L)	K (mg/L)	HCO_3 (mg/L)	SO_4 (mg/L)	Cl (mg/L)	NH_4 as N (mg/L)	NO_3 as N (mg/L)	Chloro-form (mg/L)	Naphtha-lene (mg/L)	Cyanide (mg/L)
	NRC Standard	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00100	0.001	0.005
	EPA Standard	NA	NA	NA	4,800	NA	NA	NA	NA	NA	2,125	250	NA	190	NA	NA	NA
0642	4/13/94	6914.40	7.1	7.33	4,446	610	334	149	2.8	442	2,782	30.0	0.18	21.2	-0.00100		
0642	7/21/94	6913.70	7.1	7.37	4,667	789	374	164	4.1	471	3,117	27.3	0.08	21.3	-0.00100		
0642	10/5/94	6913.30	7.0	7.70	4,699	649	377	178	4.5	490	2,863	29.8	0.11	20.6	-0.00100		
0642	1/5/95	6912.60	7.0	7.57	4,800	630	379	163	5.2	505	2,823	30.7	0.17	18.2	-0.00100		
0642	4/5/95	6912.60	7.0	7.44	4,804	583	390	156	3.9	519	2,869	30.0	0.20	17.0	-0.00100		
0642	7/6/95	6911.60	7.0	7.99	4,613	605	377	167	5.3	527	2,781	29.0	-0.05	20.7	-0.00100		
0642	10/4/95	6911.80	7.0														
0644	10/8/89	6935.70	6.8	7.50	4,778	860	227	203	5.8	676	1,776	89.3	0.10	300	-0.00100	-0.001	-0.005
0644	1/11/90	6935.00	6.7	7.16	4,994	860	254	220	4.2	653	1,789	99.0	0.07	384	-0.00100	-0.001	-0.005
0644	4/10/90	6934.30	6.8	7.52	5,426	854	260	222	4.2	623	1,669	100.0	0.11	396	-0.00100	-0.001	-0.005
0644	7/10/90	6933.80	6.8	7.24	6,272	855	274	236	3.7	633	1,706	94.8	-0.05	615	-0.00100	-0.001	-0.005
0644	10/9/90	6933.00	6.7	7.68	5,576	809	280	232	5.1	586	1,689	97.4	-0.05	377	-0.00100	-0.001	-0.005
0644	1/17/91	6932.50	6.6	7.28	5,447	922	294	242	5.6	526	1,731	97.0	-0.05	512	-0.00100	-0.001	-0.005
0644	4/10/91	6932.10	6.6	7.80	5,265	855	293	244	6.2	616	1,661	99.5	0.05	435	-0.00100	-0.001	-0.005
0644	7/10/91	6931.70	6.7	7.55	5,991	845	272	218	4.2	586	1,852	96.2	0.06	534	-0.00100	-0.001	-0.005
0644	10/17/91	6931.00	6.6	7.50	5,606	929	291	251	7.0	617	1,839	111	-0.05	401	-0.00100	-0.001	-0.005
0644	1/21/92	6930.50	6.7	7.40	4,715	794	280	225	4.1	591	1,896	98.0	-0.05	234	-0.00100	-0.001	-0.005
0644	4/13/92	6930.00	6.6	7.40	5,318	786	271	268	5.5	539	1,851	103	0.08	244	-0.00100	-0.001	-0.005
0644	7/14/92	6929.00	6.3	7.38	5,770	824	270	285	6.6	464	1,884	92.1	-0.05	338	-0.00100	-0.001	-0.005
0644	10/13/92	6929.00	6.7	7.34	5,731	771	263	241	5.4	488	2,121	97.5	0.07	250	-0.00100	-0.001	-0.005
0645	10/8/89	6941.30	7.1	7.40	7,992	957	440	518	6.9	378	1,982	159	0.13	798	-0.00100	-0.001	0.052
0645	1/11/90	6940.80	6.7	7.18	8,426	929	539	574	4.5	354	2,299	168	0.14	926	-0.00100	-0.001	0.074
0645	4/10/90	6940.60	6.9	7.54	9,179	917	600	560	4.2	369	2,489	169	0.13	840	-0.00100	-0.001	-0.005
0645	7/10/90	6940.00	7.0	7.28	10,530	829	680	637	4.2	365	2,728	157	-0.05	1225	-0.00100	-0.001	-0.005
0645	10/10/90	6940.00	6.9	7.41	9,343	742	604	644	4.6	351	2,674	150	0.13	800	-0.00100	-0.001	0.068
0801	10/17/89		6.5	6.69	9,214	626	1,102	472	23.0	1,940	4,591	246	33.6	26.0	0.00180	-0.001	-0.005
0801	1/11/90		6.5	6.74	8,830	628	997	470	14.9	2,111	4,416	262	25.1	62.0	-0.00100	-0.001	-0.005
0801	4/5/90		6.8	7.16	5,543	774	852	500	9.1	2,103	2,946	228	9.30	115	-0.00100	-0.001	-0.005
0801	7/9/90		6.5	6.82	9,507	626	1,095	436	15.5	2,020	4,826	254	40.0	39.6	0.00192	-0.001	-0.005
0801	10/3/90		6.3	7.09	9,800	565	1,187	493	15.3	1,875	5,090	269	34.6	21.1	0.00160	-0.001	-0.005
0801	1/3/91		6.1	6.84	9,316	628	1,232	482	23.6	1,930	4,650	239	32.4	31.4	0.00272	-0.001	-0.005
0801	4/11/91		6.1	7.09	9,510	601	1,092	415	16.6	1,991	4,788	274	30.0	27.5	0.00340	-0.001	-0.005
0801	7/11/91		6.3	7.08	9,566	620	1,142	410	12.8	1,872	5,121	240	40.0	26.5	0.00350	-0.001	-0.005
0801	10/23/91		6.3	7.08	9,049	566	1,127	432	13.1	1,870	4,508	271	27.7	10.1	0.00330	-0.001	-0.005
0801	1/16/92		6.2	7.28	8,346	502	961	441	13.0	1,825	4,891	247	41.5	13.6	0.00360	-0.001	-0.005
0801	4/13/92		6.2	7.11	9,240	518	635	444	15.1	1,869	4,650	255	31.7	12.8	0.00420	-0.001	-0.005
0801	7/8/92		6.1	7.38	8,276	635	634	539	16.0	1,915	4,512	246	28.1	38.1	0.00300	-0.001	-0.005
0801	10/8/92		6.4	7.22	9,244	517	1,003	478	17.4	1,832	5,132	229	39.5	14.7	0.00380	-0.001	-0.005

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TABLE B.1

SOUTHWEST ALLUVIUM DATA SUMMARY
1989 - 2000

Well No.	Date	Al (mg/L)	As (mg/L)	Be (mg/L)	Cd (mg/L)	Co (mg/L)	Pb (mg/L)	Mn (mg/L)	Mo (mg/L)	Ni (mg/L)	Se (mg/L)	V (mg/L)	U (mg/L)	Ra-226+ Ra-228 (pCi/L)	Th-230 (pCi/L)	Pb-210 (pCi/L)	Gross Alpha (pCi/L)
	NRC Standard	NA	0.05	0.05	0.01	NA	0.05	NA	NA	0.05	0.01	0.10	0.3	5.0	5.0	1.0	15.0
	EPA Standard	5.0	0.05	0.02	0.01	0.05	0.05	2.60	1.00	0.2	0.01	0.70	5.0	5.0	NA	NA	15.0
0642	4/13/94	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.07	-0.10	-0.05	0.003	-0.10	0.0430	-1.9	-0.2	2.7	-1.0
0642	7/21/94	-0.10	0.001	-0.01	-0.01	-0.01	-0.05	0.12	-0.10	-0.05	0.006	-0.10	0.0380	5.4	-0.2	3.5	5.3
0642	10/5/94	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.08	-0.10	-0.05	-0.001	-0.10	0.0390	2.4	-0.2	3.9	3.4
0642	1/5/95	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.08	-0.10	-0.05	-0.001	-0.10	0.0380	-2.3	-0.2	-1.0	1.5
0642	4/5/95	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.09	-0.10	-0.05	0.002	-0.10	0.0420	6.3	-0.2	2.8	7.9
0642	7/6/95	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.14	-0.10	-0.05	0.003	-0.10	0.0549	-1.6	-0.2	1.2	4.8
0642	10/4/95																
0644	10/8/89	-0.10	-0.001	-0.05	-0.01	-0.01	-0.05	0.07	-0.10	-0.05	0.018	-0.10	0.0930	-1.4	0.7	-1.0	-1.0
0644	1/11/90	-0.10	-0.001	-0.05	-0.01	-0.01	-0.05	0.03	-0.10	-0.05	0.011	-0.10	0.0710	-1.3	1.2	-1.0	4.2
0644	4/10/90	-0.10	-0.001	-0.05	-0.01	-0.01	-0.05	0.04	-0.10	-0.05	0.007	-0.10	0.0690	2.1	-0.2	-1.0	1.2
0644	7/10/90	-0.10	-0.001	-0.05	-0.01	0.01	-0.05	0.04	-0.10	-0.05	0.007	-0.10	0.1100	-1.6	-0.2	-1.0	-1.0
0644	10/9/90	-0.10	-0.001	-0.05	-0.01	0.02	-0.05	0.04	-0.10	-0.05	0.004	-0.10	0.0656	-1.2	-0.2	-1.0	-1.0
0644	1/17/91	0.14	-0.001	-0.01	-0.01	0.01	-0.05	0.07	-0.10	-0.05	0.002	-0.10	0.0627	-6.8	-0.2	1.3	-1.0
0644	4/10/91	-0.10	-0.001	-0.01	-0.01	0.02	-0.05	0.07	-0.10	-0.05	0.005	-0.10	0.0608	2.3	-0.2	3.8	-1.0
0644	7/10/91	-0.10	-0.001	-0.01	-0.01	0.02	-0.05	0.05	-0.10	-0.05	0.007	-0.10	0.1133	-1.6	-0.2	-1.0	-1.0
0644	10/17/91	0.14	-0.001	-0.01	-0.01	-0.01	-0.05	0.07	-0.10	-0.05	0.008	-0.10	0.0780	-1.6	-0.2	4.9	-1.0
0644	1/21/92	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.08	-0.10	-0.05	0.004	-0.10	0.0420	2.1	-0.2	-1.0	2.0
0644	4/13/92	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.12	-0.10	-0.05	0.008	-0.10	0.0430	-2.6	-0.2	-1.0	1.8
0644	7/14/92	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.15	-0.10	-0.05	0.005	-0.10	0.0800	3.9	-0.2	-1.0	-1.0
0644	10/13/92	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.15	-0.10	-0.05	0.012	-0.10	0.0109	-3.2	-0.2	-1.0	2.3
0645	10/8/89	-0.10	-0.001	-0.05	-0.01	-0.01	-0.05	1.20	-0.10	-0.05	0.040	-0.10	0.0680	-1.2	-0.2	-1.0	-1.0
0645	1/11/90	-0.10	-0.001	-0.05	-0.01	-0.01	-0.05	1.30	-0.10	-0.05	0.022	-0.10	0.0380	-1.2	-0.2	-1.0	1.1
0645	4/10/90	-0.10	-0.001	-0.05	-0.01	0.01	-0.05	0.90	-0.10	-0.05	0.022	-0.10	0.0410	1.5	-0.2	-1.0	1.0
0645	7/10/90	-0.10	-0.001	-0.05	-0.01	-0.01	-0.05	0.72	-0.10	-0.05	0.018	-0.10	0.0520	-1.2	1.1	-1.0	1.0
0645	10/10/90	-0.10	-0.001	-0.05	-0.01	0.01	-0.05	0.54	-0.10	-0.05	0.016	-0.10	-0.0340	-1.8	-0.2	-1.0	-1.0
0801	10/17/89	-0.10	-0.001	-0.05	-0.01	0.48	-0.05	31.0	-0.01	0.31	-0.001	-0.10	0.0636	-2.1	1.6	2.4	3.1
0801	1/11/90	-0.10	-0.001	-0.05	-0.01	0.13	-0.05	19.0	-0.10	0.14	-0.001	-0.10	0.0570	-1.7	2.3	-1.0	4.0
0801	4/5/90	-0.10	-0.001	-0.05	-0.01	0.02	-0.05	5.8	-0.10	0.15	0.001	-0.10	0.0990	-1.6	-0.2	-1.0	1.0
0801	7/9/90	0.19	-0.001	-0.05	-0.01	0.08	-0.05	31.6	-0.10	0.17	0.001	-0.10	0.0710	-1.2	-0.2	-1.0	-1.0
0801	10/3/90	-0.10	-0.001	-0.05	-0.01	0.18	-0.05	39.6	-0.10	0.13	-0.001	-0.10	0.0370	-2.0	-0.2	-1.0	-1.0
0801	1/3/91	0.59	-0.001	-0.01	0.01	0.20	-0.05	32.4	-0.10	0.17	-0.001	-0.10	0.0654	-2.8	-0.2	-1.0	2.0
0801	4/11/91	0.19	-0.001	-0.01	-0.01	0.13	-0.05	30.1	-0.10	0.13	-0.001	-0.10	0.0470	-2.1	-0.2	-1.0	1.0
0801	7/11/91	0.12	-0.001	-0.01	-0.01	0.08	-0.05	32.0	-0.10	-0.05	0.001	-0.10	0.1228	3.9	-0.2	2.4	2.0
0801	10/23/91	0.63	-0.001	-0.01	-0.01	0.09		34.0	-0.10	0.10	-0.001	-0.10	0.1860	5.3	-0.2	-1.0	-1.0
0801	1/16/92	-0.10	-0.001	-0.01	-0.01	0.11	-0.05	32.5	-0.10	0.12	0.005	-0.10	0.0310	4.0	-0.2	1.5	-1.0
0801	4/13/92	0.18	-0.001	-0.01	-0.01	0.09	-0.05	31.3	-0.10	0.10	0.005	-0.10	0.0340	1.5	-0.2	-1.0	-1.0
0801	7/8/92	0.23	-0.001	-0.01	-0.01	0.03	-0.05	24.3	-0.10	-0.05	0.001	-0.10	0.0400	-1.9	-0.2	-1.0	-1.0
0801	10/8/92	0.30	-0.001	-0.01	-0.01	0.06	-0.05	37.0	-0.10	0.07	-0.001	-0.10	0.0220	-2.7	-0.2	-1.0	1.9

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TABLE B.1

SOUTHWEST ALLUVIUM DATA SUMMARY
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Well No.	Date	Water Elevation (ft AMSL)	Field pH (SU)	Lab pH (SU)	Lab TDS (mg/L)	Ca (mg/L)	Mg (mg/L)	Na (mg/L)	K (mg/L)	HCO_3 (mg/L)	SO_4 (mg/L)	Cl (mg/L)	NH_4 as N (mg/L)	NO_3 as N (mg/L)	Chloro-form (mg/L)	Naphtha-lene (mg/L)	Cyanide (mg/L)
	NRC Standard	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00100	0.001	0.005
	EPA Standard	NA	NA	NA	4,800	NA	NA	NA	NA	NA	2,125	250	NA	190	NA	NA	NA
0801	1/7/93		6.3	7.28	8,060	555	1,030	469	14.1	1,575	4,709	249	42.8	9.9	0.00460	-0.001	-0.005
0801	4/7/93		6.4	7.19	8,253	476	955	472	12.1	1,603	4,867	247	43.9	10.2	0.00400	-0.001	-0.005
0801	7/14/93		6.4	6.93	8,158	555	1,011	432	13.0	1,709	4,887	247	34.0	14.7	0.00450	-0.001	-0.005
0801	10/7/93		6.3	7.08	7,688	525	931	393	12.6	1,641	4,231	229	32.0	19.0	0.00350	-0.001	-0.005
0801	1/6/94		6.4	6.82	7,788	522	909	438	12.6	1,540	4,519	230	32.3	28.6	0.00430		
0801	4/12/94		6.4	6.80	8,786	515	905	415	12.8	1,454	5,061	233	42.7	9.9	0.00270		
0801	7/27/94		6.4	7.24	8,502	599	902	382	13.3	1,530	4,930	222	35.6	25.2	0.00420		
0801	10/5/94		6.2	7.29	8,093	564	998	440	13.1	1,619	4,544	236	29.9	10.7	0.00325		
0801	1/4/95		6.2	6.97	8,714	635	945	425	14.7	1,599	4,925	226	45.0	9.57	0.00358		
0801	4/6/95		6.2	6.70	8,297	560	910	402	13.1	1,652	4,455	258	31.8	10.2	0.00228		
0801	7/6/95		6.3	7.64	8,028	535	883	405	13.7	1,627	4,335	230	30.4	8.82	0.00411		
0801	10/4/95		6.3	7.29	8,115	535	890	406	12.1	1,619	4,668	212	24.4	11.0	0.00291		
0801	1/3/96		6.5	7.18	7,962	629	952	414	12.3	1,620	4,640	242	16.8	9.91	0.00281		
0801	4/2/96		6.5	7.31	8,061	550	1,000	408	13.0	1,623	4,370	224	21.5	9.08	0.00336		
0801	7/17/96		6.3	6.79	8,133	527	864	411	15.1	1,532	4,100	241	20.6	8.22	0.00432		
0801	10/8/96		6.3	6.97	8,130	554	915	404	13.9	1,520	4,325	233	19.9	4.46	0.00360		
0801	1/28/97		6.5	7.73	8,340	555	906	361	13.8	1,678	4,460	324	22.2	3.75	0.00349		
0801	4/8/97		6.4	7.57	8,190	562	944	399	14.5	1,520	4,500	232	21.2	6.33	0.00350		
0801	7/8/97		6.6	7.43	8,240	575	956	420	15.0	1,520	4,480	243	21.2	6.43	0.00342		
0801	10/8/97		6.2	7.51	8,100	568	924	379	13.8	1,520	4,350	273	21.1	5.06	0.00410		
0801	1/20/98		6.2	7.72	8,090	553	898	397	14.9	1,500	4,400	269	21	7.07	0.00410		
0801	4/7/98		6.5	7.42	8,140	553	915	375	13.3	1,480	4,260	214	20.4	7.42	0.00390		
0801	7/7/98		6.6	7.42	8,250	563	969	407	14.1	1,450	4,200	233	22.5	4.86	0.00390		
0801	10/6/98		6.4	7.58	8,040	546	924	401	14.7	1,440	4,300	250	23.2	6.56	0.00130		
0801	1/12/99		6.5	7.49	8,010	470	858	347	14.3	1,390	4,450	222	20.3	6.05	0.00330		
0801	4/13/99		6.4	7.65	7,940	534	902	357	13.0	1,410	4,060	221	19.8	6.37	0.00390		
0801	7/20/99		6.5	7.63	7,950	545	932	414	15.5	1,420	4,240	220	19.7	5.51	0.00350		
0801	10/5/99		6.4	7.53	7,500	594	936	352	14.7	1,450	4,300	227	16.2	25.10	0.00230		
0801	2/18/00		6.5	7.94	8,450	539	1,010	307	16.1	1,400	4,670	205	20.2	11.90	0.00260		
0801	5/15/00	6852.10															
0801	7/20/00	6852.00															
0802	10/17/89		6.5	6.89	6,744	944	519	374	6.7	2,288	2,371	221	0.22	113	-0.00100	-0.001	-0.005
0802	1/11/90		6.5	6.98	6,978	849	530	350	5.1	2,547	2,663	229	0.17	124	0.00190	-0.001	-0.005
0802	4/5/90		6.5	6.80	6,854	877	570	380	5.2	2,416	2,528	230	0.12	128	-0.00100	-0.001	-0.005
0802	7/9/90		6.6	7.02	6,937	866	605	378	5.6	2,347	2,625	213	-0.05	133	-0.00100	-0.001	-0.005
0802	10/3/90		6.6	7.18	6,698	944	586	383	5.6	1,940	2,606	224	-0.05	89.7	-0.00100	-0.001	-0.005
0802	1/3/91		6.5	7.22	6,727	898	649	397	8.6	2,318	2,691	230	0.08	152	-0.00100	-0.001	-0.005
0802	4/11/91		6.3	7.65	6,711	893	615	382	6.1	2,171	2,561	240	-0.05	165	-0.00100	-0.001	-0.005
0802	7/11/91		6.4	7.21	7,065	829	624	335	4.6	1,940	2,857	218	-0.08	127	-0.00100	-0.001	-0.005

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TABLE B.1

SOUTHWEST ALLUVIUM DATA SUMMARY
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Well No.	Date	Al (mg/L)	As (mg/L)	Be (mg/L)	Cd (mg/L)	Co (mg/L)	Pb (mg/L)	Mn (mg/L)	Mo (mg/L)	Ni (mg/L)	Se (mg/L)	V (mg/L)	U (mg/L)	Ra-226+ Ra-228 (pCi/L)	Th-230 (pCi/L)	Pb-210 (pCi/L)	Gross Alpha (pCi/L)
	NRC Standard	NA	0.05	0.05	0.01	NA	0.05	NA	NA	0.05	0.01	0.10	0.3	5.0	5.0	1.0	15.0
	EPA Standard	5.0	0.05	0.02	0.01	0.05	0.05	2.60	1.00	0.2	0.01	0.70	5.0	5.0	NA	NA	15.0
0801	1/7/93	-0.10	-0.001	-0.01	-0.01	0.12	-0.05	45.3	-0.10	-0.05	0.006	-0.10	0.0300	-1.7	-0.2	-1.0	-1.0
0801	4/7/93	-0.10	-0.001	0.00	-0.01	0.11	-0.05	45.1	-0.10	0.16	-0.001	-0.10	0.0690	-1.4	-0.2	1.8	-1.0
0801	7/14/93	-0.10	-0.001	-0.01	-0.01	0.08	-0.05	30.0	-0.10	0.10	-0.001	-0.10	0.0280	4.5	-0.2	-1.0	-1.0
0801	10/7/93	-0.10	-0.001	-0.01	-0.01	0.09	-0.05	31.9	-0.10	-0.05	-0.001	-0.10	0.0350	4.8	-0.2	-1.0	2.0
0801	1/6/94	0.70	-0.001	-0.01	-0.01	0.09	-0.05	33.4	-0.10	0.09	-0.001	-0.10	0.0470	2.3	-0.2	-1.0	3.9
0801	4/12/94	0.36	-0.001	-0.01	-0.01	0.12	-0.05	34.3	-0.10	0.15	-0.001	-0.10	0.0390	-1.9	-0.2	3.2	-1.0
0801	7/27/94	-0.10	-0.001	-0.01	-0.01	0.10	-0.05	20.5	-0.10	0.09	0.001	-0.10	0.0360	6.3	-0.2	1.9	5.5
0801	10/5/94	0.44	-0.001	-0.01	-0.01	-0.01	-0.05	20.4	-0.10	0.07	-0.001	-0.10	0.0360	2.5	-0.2	1.0	3.5
0801	1/4/95	0.51	-0.001	-0.01	-0.01	0.06	-0.05	31.5	-0.10	0.09	-0.001	-0.10	0.0340	-2.2	-0.2	-1.0	2.9
0801	4/6/95	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	23.4	-0.10	-0.05	-0.001	-0.10	0.0390	4.0	-0.2	1.9	5.4
0801	7/6/95	-0.10	-0.001	-0.01	-0.01	0.03	-0.05	23.0	-0.10	-0.05	0.001	-0.10	0.0435	3.0	0.3	-1.0	4.8
0801	10/4/95	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	18.1	-0.10	-0.05	-0.001	-0.10	0.0380	-2.3	0.6	-1.0	1.1
0801	1/3/96	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	18.6	-0.10	-0.05	-0.001	-0.10	0.0420	-2.3	-0.2	3.1	2.0
0801	4/2/96	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	17.0	-0.10	-0.05	-0.001	-0.10	0.0630	-1.3	-0.2	2.9	3.0
0801	7/17/96	-0.10	-0.001	-0.01	-0.01	0.01	-0.05	19.5	-0.10	-0.05	-0.001	-0.10	0.0510	-1.9	1.1	-1.0	1.2
0801	10/8/96	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	17.1	-0.10	-0.05	-0.001	-0.10	0.0460	-1.8	-0.2	-1.0	-1.0
0801	1/28/97	-0.10	-0.001	-0.01	-0.01	0.02	-0.05	19.4	-0.10	0.06	-0.001	-0.10	0.0280	-2.9	-0.2	6.3	1.2
0801	4/8/97	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	20.2	-0.10	-0.05	-0.001	-0.10	0.0400	-1.4	-0.2	-1.0	-1.0
0801	7/8/97	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	17.0	-0.10	-0.05	-0.001	-0.10	0.0390	4.5	-0.2	-1.0	-1.0
0801	10/8/97	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	21.8	-0.10	-0.05	-0.001	-0.10	0.0390	-2.0	-0.2	-1.0	-1.0
0801	1/20/98	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	19.7	-0.10	-0.05	-0.001	-0.10	0.0430	-2.3	-0.2	-1.0	-1.0
0801	4/7/98	-0.10	-0.001	0.01	-0.005	-0.01	-0.05	16.5	-0.10	0.75	-0.001	-0.10	0.0439	-2.2	-0.2	-1.0	-1.0
0801	7/7/98	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	20.8	-0.10	-0.05	-0.001	-0.10	0.0411	3.3	-0.2	-1.0	-1.0
0801	10/6/98	-0.10	-0.001	-0.01	0.005	-0.01	-0.05	17.3	-0.10	-0.05	0.001	-0.10	0.0262	-2.2	-0.2	-1.0	-1.0
0801	1/12/99	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	16.2	-0.10	-0.05	-0.001	-0.10	0.0433	-1.8	-0.2	-1.0	-1.0
0801	4/13/99	-0.10	-0.001	-0.01	0.006	-0.01	-0.05	17.0	-0.10	-0.05	-0.001	-0.10	0.0389	-2.7	-0.2	-1.0	-1.0
0801	7/20/99	-0.10	-0.001	-0.01	0.006	0.02	-0.05	12.6	-0.10	-0.05	-0.001	-0.10	0.0405	4.6	-0.2	-1.0	-1.0
0801	10/5/99	-0.10	-0.001	-0.01	0.006	-0.01	-0.05	16.1	-0.10	-0.05	-0.001	-0.10	0.0527	-2.1	-0.2	-1.0	1.4
0801	2/18/00	-0.10	-0.001	-0.01	-0.005	0.01	-0.05	23.6	-0.10	-0.05	0.001	-0.10	0.0408	-1.7	-0.2	-1.0	1.3
0801	5/15/00																
0801	7/20/00																
0802	10/17/89	-0.10	-0.001	-0.05	-0.01	0.01	-0.05	0.20	-0.01	-0.05	-0.001	-0.10	0.1540	-1.6	-0.2	-1.0	1.5
0802	1/11/90	-0.10	-0.001	-0.05	-0.01	0.04	-0.05	0.21	-0.10	-0.05	-0.001	-0.10	0.1640	-1.3	1.3	-1.0	1.8
0802	4/5/90	-0.10	-0.001	-0.05	-0.01	0.02	-0.05	0.21	-0.10	-0.05	-0.001	-0.10	0.1280	-1.7	-0.2	1.2	1.1
0802	7/9/90	-0.10	-0.001	-0.05	-0.01	-0.01	-0.05	0.23	-0.10	-0.05	0.001	-0.10	0.1230	-1.2	-0.2	-1.0	-1.0
0802	10/3/90	-0.10	0.001	-0.05	-0.01	0.02	-0.05	0.20	-0.10	-0.05	-0.001	-0.10	0.1812	1.4	-0.2	1.4	-1.0
0802	1/3/91	-0.10	-0.001	-0.01	0.01	0.01	-0.05	0.23	-0.10	0.05	0.001	-0.10	0.0218	2.0	-0.2	-1.0	-1.0
0802	4/11/91	-0.10	-0.001	-0.01	0.03	0.01	-0.05	0.18	-0.10	-0.05	-0.001	-0.10	0.1568	-1.2	-0.2	2.1	-1.0
0802	7/11/91	-0.10	-0.001	-0.01	-0.01	0.01	-0.05	0.24	-0.10	-0.05	0.001	-0.10	0.1983	-1.2	-0.2	2.1	-1.0

Refer to page 1 for explanatory notes

TABLE B.1

SOUTHWEST ALLUVIUM DATA SUMMARY
1989 - 2000

Well No.	Date	Water Elevation (ft AMSL)	Field pH (SU)	Lab pH (SU)	Lab TDS (mg/L)	Ca (mg/L)	Mg (mg/L)	Na (mg/L)	K (mg/L)	HCO_3 (mg/L)	SO_4 (mg/L)	Cl (mg/L)	NH_4 as N (mg/L)	NO_3 as N (mg/L)	Chloro-form (mg/L)	Naphtha-lene (mg/L)	Cyanide (mg/L)
	NRC Standard	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00100	0.001	0.005
	EPA Standard	NA	NA	NA	4,800	NA	NA	NA	NA	NA	2,125	250	NA	190	NA	NA	NA
0802	10/23/91		6.4	7.41	6,795	800	543	362	4.6	2,250	2,775	237	0.36	99.0	-0.00100	-0.001	-0.005
0802	1/16/92		6.3	7.10	6,541	765	657	363	4.4	1,662	2,916	235	0.57	117	-0.00100	-0.001	-0.005
0802	4/13/92		6.2	6.84	7,383	852	592	393	5.5	2,404	2,730	234	0.09	81.3	-0.00100	-0.001	-0.005
0802	7/8/92		6.2	7.32	5,929	841	608	445	6.2	1,777	2,615	235	0.16	100	-0.00100	-0.001	-0.005
0802	10/8/92		6.8	7.21	7,274	809	648	456	8.2	2,245	3,057	228	-0.05	136	-0.00100	-0.001	-0.005
0802	1/7/93		6.8	7.46	6,306	782	660	397	6.0	2,150	2,980	236	0.14	105	-0.00100	-0.001	-0.005
0802	4/7/93		6.5	7.15	6,486	732	644	421	4.1	2,223	3,023	237	0.50	93.9	-0.00100	-0.001	-0.005
0802	7/14/93		6.4	7.00	7,413	861	720	393	4.6	2,208	3,183	241	0.32	78.3	-0.00100	-0.001	-0.005
0802	10/7/93		6.4	6.98	6,416	659	700	354	4.2	1,972	2,935	218	0.39	110	-0.00100	-0.001	-0.005
0802	1/6/94		6.4	6.75	6,614	749	641	389	4.0	2,125	3,228	224	1.00	80.3	-0.00100		
0802	4/12/94		6.3	6.99	7,568	731	706	367	4.7	2,047	3,596	184	1.24	96.2	-0.00100		
0802	7/27/94		6.4	7.35	7,680	866	715	355	5.3	2,237	3,484	217	1.03	106	-0.00100		
0802	10/5/94		6.3	7.45	7,578	790	826	389	5.8	2,288	3,277	225	1.47	97.3	-0.00100		
0802	1/4/95		6.6	7.29	7,845	853	756	376	6.5	2,323	3,436	240	1.66	86.1	-0.00100		
0802	4/6/95		6.5	6.75	7,761	786	714	380	5.2	2,269	3,551	268	1.82	93.0	-0.00100		
0802	7/6/95		6.4	7.43	7,216	750	735	375	5.8	2,257	3,310	236	1.83	84.6	-0.00100		
0802	10/4/95		6.5	7.56	7,003	738	754	369	5.3	2,208	3,301	190	2.23	88.4	-0.00100		
0802	1/3/96		6.4	7.92	7,477	817	805	361	5.5	2,166	3,530	222	1.84	85.8	-0.00100		
0802	4/2/96		6.4	7.37	7,595	796	845	380	11.4	2,250	3,560	227	1.88	88.4	-0.00100		
0802	7/17/96		6.3	6.96	7,488	701	723	366	6.0	2,196	3,164	236	1.60	91.2	0.00121		
0802	10/8/96		6.7	7.25	7,600	756	778	357	6.4	2,200	3,291	220	1.70	76.5	-0.00100		
0802	1/28/97		6.5	7.84	7,350	745	720	301	6.0	2,142	3,215	317	1.23	79.1	-0.00100		
0802	4/8/97		6.4	7.44	7,270	756	740	336	6.6	2,090	3,190	240	1.53	80.1	-0.00100		
0802	7/8/97		6.7	7.38	7,430	786	759	335	6.7	2,140	2,930	236	1.37	82.0	-0.00100		
0802	10/8/97		6.5	7.45	7,330	789	750	336	6.4	2,160	3,050	252	1.38	82.8	-0.00100		
0802	1/20/98		6.2	7.72	7,320	766	721	356	7.6	2,120	3,350	242	1.49	83.3	-0.00100		
0802	4/7/98		6.6	7.30	7,310	776	723	340	6.7	2,120	3,010	212	1.20	90.8	0.00120		
0802	7/7/98		6.8	7.42	7,350	758	726	348	6.6	2,180	2,900	224	1.26	86.6	0.00100		
0802	10/6/98		6.4	7.64	7,340	796	757	361	7.2	2,110	3,230	210	1.13	85.4	0.00150		
0802	1/12/99		6.6	7.55	7,190	734	686	298	7.4	2,110	3,260	207	1.28	88.1	-0.00100		
0802	4/13/99		6.4	7.65	7,320	783	732	323	6.8	2,090	3,060	205	1.23	86.2	0.00150		
0802	7/20/99		6.5	7.58	7,350	760	743	370	9.8	2,120	3,160	207	1.18	76.2	0.00140		
0802	10/12/99		6.6	7.66	7,360	703	695	311	6.4	2,120	2,920	194	1.09	76.9	0.00140		
0802	2/18/00		6.5	7.73	7,350	732	734	298	9.5	2,100	3,120	195	1.06	119.0	0.00160		
0802	5/28/00		6.7	7.55	7,170	651	643	290	9.1	2,047	2,920	174	1.24	81.2	0.00150		
0802	8/21/00		6.6	7.33	7,030	699	700	297	12.1	2,020	2,870	174	0.91	42.0	-0.00100		
0803	10/17/89		6.7	6.91	4,852	722	337	208	12.2	1,379	2,258	108	1.75	34.0	-0.00100	-0.001	-0.005
0803	1/11/90		6.6	7.16	5,212	769	371	241	9.8	1,647	2,387	133	1.29	36.0	-0.00100	-0.001	-0.005
0803	4/5/90		6.7	7.02	5,394	822	410	245	9.4	1,696	2,321	138	1.35	42.0	-0.00100	-0.001	-0.005

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TABLE B.1

SOUTHWEST ALLUVIUM DATA SUMMARY
1989 - 2000

Well No.	Date	Al (mg/L)	As (mg/L)	Be (mg/L)	Cd (mg/L)	Co (mg/L)	Pb (mg/L)	Mn (mg/L)	Mo (mg/L)	Ni (mg/L)	Se (mg/L)	V (mg/L)	U (mg/L)	Ra-226+ Ra-228 (pCi/L)	Th-230 (pCi/L)	Pb-210 (pCi/L)	Gross Alpha (pCi/L)
	NRC Standard	NA	0.05	0.05	0.01	NA	0.05	NA	NA	0.05	0.01	0.10	0.3	5.0	5.0	1.0	15.0
	EPA Standard	5.0	0.05	0.02	0.01	0.05	0.05	2.60	1.00	0.2	0.01	0.70	5.0	5.0	NA	NA	15.0
0802	10/23/91	-0.10	-0.001	-0.01	-0.01	0.02		0.28	-0.10	-0.05	-0.001	-0.10	0.2200	-2.3	-0.2	-1.0	-1.0
0802	1/16/92	-0.10	-0.001	-0.01	-0.01	0.02	-0.05	0.35	-0.10	-0.05	-0.001	-0.10	0.1440	-1.5	-0.2	-1.0	-1.0
0802	4/13/92	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.44	-0.10	-0.05	0.004	-0.10	0.0450	-1.2	-0.2	2.7	-1.0
0802	7/8/92	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.40	-0.10	-0.05	0.001	-0.10	0.1400	5.6	-0.2	-1.0	1.5
0802	10/8/92	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.40	-0.10	-0.01	0.002	-0.10	0.1240	-1.8	-0.2	-1.0	-1.0
0802	1/7/93	-0.10	-0.001	-0.01	-0.01	0.01	-0.05	0.44	-0.10	-0.05	0.006	-0.10	0.1270	-1.2	-0.2	-1.0	-1.0
0802	4/7/93	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.57	-0.10	-0.05	0.001	-0.10	0.2490	-1.2	-0.2	-1.0	-1.0
0802	7/14/93	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.53	-0.10	-0.05	0.003	-0.10	0.1540	-1.5	-0.2	-1.0	-1.0
0802	10/7/93	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.52	-0.10	-0.05	0.004	-0.10	0.1430	4.8	-0.2	1.6	-1.0
0802	1/6/94	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.55	-0.10	-0.05	-0.001	-0.10	0.1480	2.1	-0.2	-1.0	3.9
0802	4/12/94	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.72	-0.10	-0.05	0.001	-0.10	0.1760	-1.2	-0.2	-1.0	-1.0
0802	7/27/94	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.57	-0.10	-0.05	0.003	-0.10	0.1650	-1.8	-0.2	-1.0	-1.0
0802	10/5/94	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.57	-0.10	-0.05	-0.001	-0.10	0.1530	-1.8	-0.2	-1.0	-1.0
0802	1/4/95	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.78	-0.10	-0.05	-0.001	-0.10	0.1420	2.6	-0.2	-1.0	3.9
0802	4/6/95	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.76	-0.10	-0.05	-0.001	-0.10	0.1590	-1.2	-0.2	2.6	-1.0
0802	7/6/95	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.69	-0.10	-0.05	0.002	-0.10	0.1883	-1.3	-0.2	-1.0	1.5
0802	10/4/95	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.73	-0.10	-0.05	0.024	-0.10	0.1570	-1.3	-0.2	-1.0	1.4
0802	1/3/96	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.09	-0.10	-0.05	0.022	-0.10	0.1680	-1.4	-0.2	3.6	-1.0
0802	4/2/96	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.80	-0.10	-0.05	-0.001	-0.10	0.1670	-1.2	-0.2	-1.0	1.2
0802	7/17/96	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.81	-0.10	-0.05	-0.001	-0.10	0.0860	-1.2	-0.2	-1.0	-1.0
0802	10/8/96	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	1.06	-0.10	-0.05	-0.001	-0.10	0.1710	-1.0	-0.2	-1.0	-1.0
0802	1/28/97	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.93	-0.10	-0.05	-0.001	-0.10	0.1710	-0.6	-0.2	-1.0	-1.0
0802	4/8/97	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.98	-0.10	-0.05	0.021	-0.10	0.1810	-1.9	-0.2	-1.0	1.9
0802	7/8/97	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.97	-0.10	-0.05	-0.001	-0.10	0.1800	-1.1	-0.2	-1.0	-1.0
0802	10/8/97	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	1.26	-0.10	-0.05	-0.001	-0.10	0.1760	-1.2	-0.2	-1.0	-1.0
0802	1/20/98	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	1.25	-0.10	-0.05	-0.001	-0.10	0.1980	-1.2	-0.2	-1.0	-1.0
0802	4/7/98	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	1.18	-0.10	-0.05	-0.001	-0.10	0.1860	-1.2	-0.2	-1.0	-1.0
0802	7/7/98	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	1.19	-0.10	-0.05	-0.001	-0.10	0.2080	-1.6	-0.2	-1.0	-1.0
0802	10/6/98	-0.10	-0.001	-0.01	0.005	-0.01	-0.05	1.20	-0.10	-0.05	0.001	-0.10	0.2070	-1.2	-0.2	-1.0	-1.0
0802	1/12/99	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	1.29	-0.10	-0.05	-0.001	-0.10	0.2110	-1.2	-0.2	-1.0	-1.0
0802	4/13/99	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	1.48	-0.10	-0.05	-0.001	-0.10	0.1900	1.2	-0.2	-1.0	-1.0
0802	7/20/99	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	1.13	-0.10	-0.05	-0.001	-0.10	0.1960	-1.5	-0.2	-1.0	-1.0
0802	10/12/99	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	1.37	-0.10	-0.05	-0.001	-0.10	0.2030	-1.2	-0.2	-1.0	-1.0
0802	2/18/00	0.12	-0.001	-0.01	-0.005	-0.01	-0.05	1.83	-0.10	0.05	0.001	-0.10	0.1800	-1.2	-0.2	-1.0	-1.0
0802	5/28/00	0.10	-0.001	-0.01	-0.005	-0.01	-0.05	2.27	-0.10	-0.05	0.001	-0.10	0.1930	-2.3	-0.2	-1.0	-1.0
0802	8/21/00	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	1.52	-0.10	-0.05	-0.001	-0.10	0.0980	-1.2	-0.2	-1.0	-1.0
0803	10/17/89	-0.10	-0.001	-0.05	-0.01	-0.01	-0.05	1.80	-0.01	-0.05	-0.001	-0.10	0.2060	-1.2	-0.2	-1.0	1.0
0803	1/11/90	-0.10	-0.001	-0.05	-0.01	-0.01	-0.05	1.50	-0.10	-0.05	-0.001	-0.10	0.1160	-2.1	1.3	-1.0	1.6
0803	4/5/90	-0.10	-0.001	-0.05	-0.01	-0.01	-0.05	1.00	-0.10	-0.05	-0.001	-0.10	0.0900	-1.5	-0.2	-1.0	0.9

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TABLE B.1

SOUTHWEST ALLUVIUM DATA SUMMARY
1989 - 2000

Well No.	Date	Water Elevation (ft AMSL)	Field pH (SU)	Lab pH (SU)	Lab TDS (mg/L)	Ca (mg/L)	Mg (mg/L)	Na (mg/L)	K (mg/L)	HCO_3 (mg/L)	SO_4 (mg/L)	Cl (mg/L)	NH_4 as N (mg/L)	NO_3 as N (mg/L)	Chloro-form (mg/L)	Naphtha-lene (mg/L)	Cyanide (mg/L)
	NRC Standard	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00100	0.001	0.005
	EPA Standard	NA	NA	NA	4,800	NA	NA	NA	NA	NA	2,125	250	NA	190	NA	NA	NA
0803	7/9/90		6.6	7.18	5,416	891	417	233	9.8	1,625	2,382	127	0.92	42.2	-0.00100	-0.001	-0.005
0803	10/3/90		6.5	7.29	5,618	861	336	245	12.0	1,659	2,299	151	0.36	40.0	-0.00100	-0.001	-0.005
0803	1/3/91		6.6	7.25	5,305	779	384	256	31.8	1,598	2,439	144	1.41	57.5	-0.00100	-0.001	-0.005
0803	4/11/91		6.5	7.65	5,244	820	416	263	11.3	1,702	2,376	158	0.85	63.0	-0.00100	-0.001	-0.005
0803	7/11/91		6.5	7.27	5,616	745	349	219	9.1	1,690	2,547	195	0.89	71.3	-0.00100	-0.001	-0.005
0803	10/23/91		6.6	7.39	5,402	786	448	263	9.5	1,273	2,446	174	1.25	35.3	-0.00100	-0.001	-0.005
0803	1/16/92		6.5	7.19	5,155	706	398	255	9.8	1,375	2,451	160	1.66	51.8	-0.00100	-0.001	-0.005
0803	4/13/92		6.3	7.01	5,265	685	360	242	10.3	1,571	2,346	180	1.87	19.1	-0.00100	-0.001	-0.005
0803	7/8/92		6.2	7.46	4,617	804	384	272	11.5	1,611	2,192	137	1.90	25.4	-0.00100	-0.001	-0.005
0803	10/8/92		6.5	7.79	5,982	827	464	347	14.0	1,952	2,661	185	0.75	15.7	-0.00100	-0.001	-0.005
0803	1/7/93		6.3	7.32	5,851	851	430	305	12.1	1,879	2,522	185	1.08	38.8	-0.00100	-0.001	-0.005
0803	4/7/93		6.4	7.14	5,631	773	481	324	8.7	1,806	2,666	176	0.90	45.3	-0.00100	-0.001	-0.005
0803	7/14/93		6.6	7.24	5,726	895	452	303	9.8	1,878	2,833	178	1.09	21.7	-0.00100	-0.001	-0.005
0803	10/7/93		6.5	7.20	5,445	821	451	262	10.2	2,000	2,482	174	1.12	33.4	-0.00100	-0.001	-0.005
0803	1/6/94		6.7	7.12	5,648	776	460	307	9.2	1,656	2,754	170	0.92	31.6	-0.00100		
0803	4/12/94		6.5	7.10	6,510	770	519	292	9.9	1,743	3,205	175	1.03	28.0	-0.00100		
0803	7/27/94		6.5	7.41	6,003	909	456	303	11.3	1,890	2,956	172	0.74	24.0	-0.00100		
0803	10/5/94		6.3	7.49	5,943	846	503	302	10.6	1,845	2,713	163	1.28	31.3	-0.00100		
0803	1/4/95		6.4	7.16	6,350	928	539	300	12.1	1,948	2,885	184	1.12	34.3	-0.00100		
0803	4/6/95		6.4	6.73	6,220	810	498	281	10.1	1,935	3,018	196	1.03	22.7	-0.00100		
0803	7/6/95		6.5	7.41	6,150	840	535	305	11.2	1,848	2,870	198	0.88	30.7	-0.00100		
0803	10/4/95		6.8	7.36	6,000	786	556	284	9.9	2,017	2,840	180	1.09	33.6	-0.00100		
0803	1/3/96		6.5	7.16	6,427	893	609	307	10.3	1,929	3,160	174	0.62	30.6	-0.00100		
0803	4/2/96		6.6	7.43	6,557	831	639	310	10.8	2,014	3,160	198	0.66	32.5	-0.00100		
0803	7/17/96		6.3	6.70	6,277	735	490	287	11.2	1,967	2,869	184	0.98	29.0	-0.00100		
0803	10/8/96		6.4	7.03	6,930	809	675	310	11.5	2,022	3,202	173	0.52	33.2	-0.00100		
0803	1/28/97		6.5	7.87	6,250	795	550	251	10.9	1,847	3,178	229	0.99	25.6	-0.00100		
0803	4/8/97		6.4	7.52	6,130	804	559	258	11.2	1,800	2,914	181	1.21	25.4	-0.00100		
0803	7/8/97		6.6	7.39	6,240	830	575	335	6.7	1,790	2,930	236	1.15	24.9	-0.00100		
0803	10/8/97		6.3	7.60	6,760	821	649	298	11.7	1,990	2,970	168	0.58	33.9	-0.00100		
0803	1/20/98		6.3	7.75	6,840	798	648	309	13.0	2,000	3,400	218	0.76	38.7	-0.00100		
0803	4/7/98		6.5	7.40	6,870	802	657	296	11.5	1,990	3,010	181	0.56	35.8	-0.00100		
0803	7/7/98		6.4	7.40	6,940	785	667	310	11.9	2,020	3,000	198	0.64	51.8	-0.00100		
0803	10/6/98		6.4	7.56	6,880	818	695	302	12.5	1,980	3,200	193	0.60	39.4	-0.00100		
0803	1/12/99		6.6	7.63	6,980	745	642	272	11.9	1,990	3,300	184	0.71	39.1	-0.00100		
0803	4/13/99		6.5	7.65	6,910	801	692	280	11.5	1,960	3,100	178	0.77	40.9	-0.00100		
0803	7/20/99																
0803	10/12/99		6.6	7.78	6,990	731	671	260	11.5	2,000	3,040	175	0.78	37.5	-0.00100		
0803	2/18/00		6.6	7.66	7,020	750	693	262	14.4	2,000	3,180	176	0.80	35.7	-0.00100		

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TABLE B.1

SOUTHWEST ALLUVIUM DATA SUMMARY
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Well No.	Date	Al (mg/L)	As (mg/L)	Be (mg/L)	Cd (mg/L)	Co (mg/L)	Pb (mg/L)	Mn (mg/L)	Mo (mg/L)	Ni (mg/L)	Se (mg/L)	V (mg/L)	U (mg/L)	Ra-226+ Ra-228 (pCi/L)	Th-230 (pCi/L)	Pb-210 (pCi/L)	Gross Alpha (pCi/L)
	NRC Standard	NA	0.05	0.05	0.01	NA	0.05	NA	NA	0.05	0.01	0.10	0.3	5.0	5.0	1.0	15.0
	EPA Standard	5.0	0.05	0.02	0.01	0.05	0.05	2.60	1.00	0.2	0.01	0.70	5.0	5.0	NA	NA	15.0
0803	7/9/90	-0.10	-0.001	-0.05	-0.01	-0.01	-0.05	0.98	-0.10	-0.05	-0.001	-0.10	0.1350	-1.2	-0.2	-1.0	-1.0
0803	10/3/90	-0.10	-0.001	-0.05	-0.01	0.01	-0.05	0.90	-0.10	-0.05	-0.001	-0.10	0.1711	-1.2	-0.2	-1.0	-1.0
0803	1/3/91	-0.10	-0.001	-0.01	0.01	0.01	-0.05	1.00	-0.10	-0.05	-0.001	-0.10	0.1292	-1.9	-0.2	-1.0	-1.0
0803	4/11/91	-0.10	-0.001	-0.01	-0.01	0.02	-0.05	0.82	-0.10	-0.05	-0.001	-0.10	0.0853	-1.6	-0.2	-1.0	-1.0
0803	7/11/91	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.58	-0.10	-0.05	0.007	-0.10	0.1322	-1.3	-0.2	-1.0	-1.0
0803	10/23/91	-0.10	-0.001	-0.01	-0.01	0.02		0.57	-0.10	-0.05	-0.001	-0.10	0.1350	-2.6	-0.2	-1.0	-1.0
0803	1/16/92	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.47	-0.10	-0.05	0.003	-0.10	0.0560	-1.3	-0.2	-1.0	-1.0
0803	4/13/92	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	1.43	-0.10	-0.05	0.002	-0.10	0.1380	-1.2	-0.2	-1.0	-1.0
0803	7/8/92	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	1.30	-0.10	-0.05	-0.001	-0.10	0.0400	-1.3	-0.2	-1.0	-1.0
0803	10/8/92	-0.10	-0.001	-0.01	-0.01	0.01	-0.05	0.61	-0.10	-0.05	-0.001	-0.10	0.0680	-1.8	-0.2	-1.0	-1.0
0803	1/7/93	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.64	-0.10	-0.05	0.003	-0.10	0.0850	-1.2	-0.2	1.2	-1.0
0803	4/7/93	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.98	-0.10	-0.05	-0.001	-0.10	0.1700	-1.3	-0.2	-1.0	-1.0
0803	7/14/93	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	1.03	-0.10	-0.05	-0.001	-0.10	0.0620	-1.6	-0.2	-1.0	-1.0
0803	10/7/93	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	1.12	-0.10	-0.05	-0.001	-0.10	0.0690	8.2	-0.2	-1.0	-1.0
0803	1/6/94	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.92	-0.10	-0.05	-0.001	-0.10	0.0700	-1.5	-0.2	-1.0	-1.0
0803	4/12/94	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.72	-0.10	-0.05	-0.001	-0.10	0.1000	-1.6	-0.2	3.2	-1.0
0803	7/27/94	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	1.17	-0.10	-0.05	0.004	-0.10	0.1080	6.3	-0.2	-1.0	1.4
0803	10/5/94	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	1.34	-0.10	-0.05	-0.001	-0.10	0.0680	-1.2	-0.2	2.2	-1.0
0803	1/4/95	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	1.08	-0.10	-0.05	-0.001	-0.10	0.0710	-1.8	-0.2	-1.0	-1.0
0803	4/6/95	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	1.10	-0.10	-0.05	-0.001	-0.10	0.0740	-1.2	-0.2	1.1	-1.0
0803	7/6/95	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	1.16	-0.10	-0.05	0.001	-0.10	0.0860	-1.2	-0.2	-1.0	1.3
0803	10/4/95	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	1.07	-0.10	-0.05	0.002	-0.10	0.0790	-1.2	-0.2	-1.0	-1.0
0803	1/3/96	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	1.17	-0.10	-0.05	0.002	-0.10	0.0830	1.2	0.3	1.5	1.0
0803	4/2/96	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	1.14	-0.10	-0.05	-0.001	-0.10	0.0820	-1.2	-0.2	-1.0	-1.0
0803	7/17/96	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	1.52	-0.10	-0.05	-0.001	-0.10	0.0680	-1.4	-0.2	-1.0	-1.0
0803	10/8/96	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	1.14	-0.10	-0.05	-0.001	-0.10	0.0790	-0.6	-0.2	-1.0	-1.0
0803	1/28/97	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	1.53	-0.10	-0.05	-0.001	-0.10	0.0560	-0.6	-0.2	-1.0	-1.0
0803	4/8/97	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	1.70	-0.10	-0.05	0.002	-0.10	0.0690	-0.6	-0.2	-1.0	-1.0
0803	7/8/97	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.97	-0.10	-0.05	-0.001	-0.10	0.0670	-1.4	-0.2	-1.0	-1.0
0803	10/8/97	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	1.38	-0.10	-0.05	-0.001	-0.10	0.0810	-1.2	-0.2	-1.0	-1.0
0803	1/20/98	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	1.59	-0.10	-0.05	-0.001	-0.10	0.0940	-1.2	-0.2	-1.0	-1.0
0803	4/7/98	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	1.43	-0.10	-0.05	0.001	-0.10	0.0901	-1.2	-0.2	-1.0	-1.0
0803	7/7/98	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	1.52	-0.10	-0.05	-0.001	-0.10	0.0974	-1.2	-0.2	-1.0	-1.0
0803	10/6/98	-0.10	-0.001	-0.01	0.005	-0.01	-0.05	1.42	-0.10	-0.05	0.001	-0.10	0.0976	-1.2	-0.2	-1.0	-1.0
0803	1/12/99	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	1.47	-0.10	-0.05	-0.001	-0.10	0.0984	-1.2	-0.2	-1.0	-1.0
0803	4/13/99	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	1.55	-0.10	-0.05	-0.001	-0.10	0.0889	-1.2	-0.2	-1.0	-1.0
0803	7/20/99																
0803	10/12/99	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	1.62	-0.10	-0.05	-0.001	-0.10	0.0919	-1.2	-0.2	-1.0	-1.0
0803	2/18/00	0.12	-0.001	-0.01	-0.005	-0.01	-0.05	1.69	-0.10	0.05	0.001	-0.10	0.0891	-1.6	-0.2	-1.0	-1.0

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TABLE B.1

SOUTHWEST ALLUVIUM DATA SUMMARY
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Well No.	Date	Water Elevation (ft AMSL)	Field pH (SU)	Lab pH (SU)	Lab TDS (mg/L)	Ca (mg/L)	Mg (mg/L)	Na (mg/L)	K (mg/L)	HCO_3 (mg/L)	SO_4 (mg/L)	Cl (mg/L)	NH_4 as N (mg/L)	NO_3 as N (mg/L)	Chloro-form (mg/L)	Naphtha-lene (mg/L)	Cyanide (mg/L)
	NRC Standard	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00100	0.001	0.005
	EPA Standard	NA	NA	NA	4,800	NA	NA	NA	NA	NA	2,125	250	NA	190	NA	NA	NA
0803	5/28/00		6.7	7.58	7,050	670	637	256	13.5	2,000	3,030	161	0.86	42.8	-0.00100		
0803	8/21/00		6.7	7.40	7,250	712	737	328	6.8	2,050	2,890	184	1.24	77.5	0.00170		
EPA 22A*	10/8/89	6913.70	6.9	7.56	1,310	269	55	88.2	4.3	521	605	11.4	0.06	0.26	-0.00100	-0.001	-0.005
EPA 22A*	1/17/90	6912.90	6.8	6.96	1,478	311	57	86.7	3.4	556	677	11.7	0.07	0.25	-0.00100	-0.001	-0.005
EPA 22A*	4/19/90	6911.90	6.9	7.31	1,448	310	63	82.9	3.2	576	845	11.5	0.06	0.21	-0.00100	-0.001	-0.005
EPA 22A*	7/17/90	6910.80	6.9	7.28	1,505	317	60	80.4	3.6	583	681	11.6	-0.05	0.12	-0.00100	-0.001	-0.005
EPA 22A*	10/16/90	6910.00	6.8	7.79	1,536	301	60	81.2	3.4	547	704	10.9	-0.05	0.20	-0.00100	-0.001	-0.005
EPA 22A*	1/10/91	6909.50	6.9	7.98	1,551	324	69	84.7	7.1	533	754	16.7	-0.05	0.21	-0.00100	-0.001	-0.005
EPA 22A*	4/16/91	6908.80	6.8	7.66	1,494	299	61	80.0	3.7	521	720	10.2	-0.05	0.21	-0.00100	-0.001	-0.005
EPA 22A*	7/9/91	6908.30	6.8	7.42	1,532	291	54	75.0	3.1	540	663	11.5	0.17	0.09	-0.00100	-0.001	-0.005
EPA 22A*	10/22/91	6907.70	6.8	7.24	1,430	282	55	84.1	3.0	549	685	16.2	0.16	-0.01	-0.00100	-0.001	-0.005
EPA 22A*	1/23/92	6906.90	6.8	7.76	1,416	308	52	82.2	3.3	540	676	11.4	-0.05	-0.01	-0.00100	-0.001	-0.005
EPA 22A*	4/2/92	6906.30	6.8	7.70	1,453	294	61	95.8	3.4	556	727	11.0	-0.05	-0.10	-0.00100	-0.001	-0.005
EPA 22A*	7/16/92	6905.20	6.9	7.43	1,456	268	59	74.3	3.6	538	714	12.2	-0.05	0.70	-0.00100	-0.001	-0.005
EPA 22A*	10/15/92	6904.50	6.9	7.51	1,603	306	60	83.9	2.9	548	744	11.4	-0.05	-0.10	-0.00100	-0.001	-0.005
EPA 22A*	1/13/93	6903.90	7.0	7.47	1,497	314	60	81.0	3.3	545	746	15.9	-0.05	-0.10	-0.00100	-0.001	-0.005
EPA 22A*	4/15/93	6903.20	7.0	7.52	1,631	341	54	88.4	1.9	548	777	12.5	-0.05	0.60	-0.00100	-0.001	-0.005
EPA 22A*	7/21/93	6902.30	7.0	7.83	1,635	333	62	98.0	4.3	558	859	11.8	-0.05	0.33	-0.00100	-0.001	-0.005
EPA 22A*	10/12/93	6899.70	7.0	7.40	1,699	352	63	92.5	2.1	551	847	11.2	-0.05	0.33	-0.00100	-0.001	-0.005
EPA 22A*	1/11/94	6900.90	7.0	7.92	1,748	343	69	72.9	1.7	492	938	11.4	0.12	0.91	-0.00100		
EPA 22A*	4/19/94	6900.40	6.7	7.77	1,595	315	62	82.8	2.8	483	815	11.8	-0.05	0.68	-0.00100		
EPA 22A*	7/27/94	6899.80	6.8	7.68	1,548	392	59	85.1	2.0	510	877	9.8	-0.05	0.46	-0.00100		
EPA 22A*	10/11/94	6899.10	6.9	7.71	1,611	341	59	95.3	2.5	538	829	11.0	-0.05	0.99	-0.00100		
EPA 22A*	1/11/95	6898.50	6.9	8.00	1,726	352	63	87.0	3.0	534	828	12.3	0.12	0.92	-0.00100		
EPA 22A*	4/11/95	6898.10	6.9	7.62	1,585	325	66	88.0	2.5	547	751	10.5	0.06	1.09	-0.00100		
EPA 22A*	7/11/95	6897.50	7.0	7.84	1,820	394	85	87.0	2.6	503	974	14.3	1.97	1.92	-0.00100		
EPA 22A*	10/10/95	6896.90	7.2	8.22	1,553	313	63	95.0	2.6	549	724	12.0	-0.05	1.12	-0.00100		
EPA 22A*	1/9/96	6896.30	7.3	7.49	1,724	329	68	94.0	2.7	549	824	11.5	-0.05	1.73	-0.00100		
EPA 22A*	4/10/96	6895.70	7.2	7.93	1,782	350	75	83.5	2.5	550	881	12.4	0.06	1.85	-0.00100		
EPA 22A*	7/17/96	6895.30	7.0	7.52	1,815	326	72	93.6	2.7	548	816	12.1	0.05	1.29	-0.00100		
EPA 22A*	10/8/96	6894.50	6.9	7.48	2,040	401	92	93.0	3.0	543	1,041	16.7	0.07	1.44	0.00100		
EPA 22A*	1/28/97	6893.70	7.0	7.97	2,070	488	104	83.0	2.8	538	1,178	20.4	0.06	4.07	-0.00100		
EPA 22A*	4/15/97	6893.10	6.8	7.95	2,050	409	94	91.6	2.9	537	1,074	16.2	0.06	4.27	-0.00100		
EPA 22A*	7/15/97	6892.60	6.9	8.15	1,940	351	81	91.1	2.7	521	955	17.2	0.05	3.79	-0.00100		
EPA 23*	10/8/89	6896.70	6.3	7.10	4,930	682	397	173	14.1	1,086	2,339	91.0	0.53	91.0	-0.00100	-0.001	-0.005
EPA 23*	1/17/90	6896.30	6.4	6.66	4,882	669	391	174	10.9	1,074	2,278	90.9	0.53	89.0	-0.00100	-0.001	-0.005
EPA 23*	4/18/90	6895.60	6.5	6.88	4,988	610	363	165	9.9	1,104	2,241	89.9	0.64	80.0	-0.00100	-0.001	-0.005
EPA 23*	7/13/90	6894.70	6.6	6.86	4,780	678	413	173	11.2	1,106	2,243	89.7	0.31	82.9	-0.00100	-0.001	-0.005
EPA 23*	10/11/90	6894.50	6.5	7.03	4,580	657	403	173	10.8	1,076	2,374	99.0	0.50	80.1	-0.00100	-0.001	-0.005

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TABLE B.1

SOUTHWEST ALLUVIUM DATA SUMMARY
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Well No.	Date	Al (mg/L)	As (mg/L)	Be (mg/L)	Cd (mg/L)	Co (mg/L)	Pb (mg/L)	Mn (mg/L)	Mo (mg/L)	Ni (mg/L)	Se (mg/L)	V (mg/L)	U (mg/L)	Ra-226+ Ra-228 (pCi/L)	Th-230 (pCi/L)	Pb-210 (pCi/L)	Gross Alpha (pCi/L)
	NRC Standard	NA	0.05	0.05	0.01	NA	0.05	NA	NA	0.05	0.01	0.10	0.3	5.0	5.0	1.0	15.0
	EPA Standard	5.0	0.05	0.02	0.01	0.05	0.05	2.60	1.00	0.2	0.01	0.70	5.0	5.0	NA	NA	15.0
0803	5/28/00	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	2.27	-0.10	-0.05	-0.001	-0.10	0.1930	3.1	-0.2	-1.0	-1.0
0803	8/21/00	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	1.95	-0.10	-0.05	-0.001	-0.10	0.1970	-1.4	-0.2	-1.0	-1.0
EPA 22A*	10/8/89	-0.10	-0.001	-0.05	-0.01	-0.01	-0.05	0.08	-0.10	-0.05	-0.001	-0.10	0.0290	-1.9	5.9	4.1	7.8
EPA 22A*	1/17/90	-0.10	-0.001	-0.05	-0.01	-0.01	-0.05	0.09	-0.10	-0.05	0.001	-0.10	0.0280	2.1	3.1	-1.0	3.5
EPA 22A*	4/19/90	-0.10	-0.001	-0.05	-0.01	-0.01	-0.05	0.09	-0.10	-0.05	0.001	-0.10	0.0270	-1.5	-0.2	-1.0	-1.0
EPA 22A*	7/17/90	-0.10	-0.001	-0.05	-0.01	-0.01	-0.05	-0.01	-0.10	-0.05	-0.001	-0.10	0.0359	-1.2	-0.2	-1.0	-1.0
EPA 22A*	10/16/90	-0.10	-0.001	-0.05	-0.01	0.03	-0.05	0.11	-0.10	-0.05	-0.001	-0.10	0.0254	-1.2	-0.2	-1.0	-1.0
EPA 22A*	1/10/91	-0.10	-0.001	-0.01	-0.01	0.01	-0.05	0.10	-0.10	-0.05	-0.001	-0.10	0.0241	-1.7	-0.2	1.7	1.1
EPA 22A*	4/16/91	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.12	-0.10	-0.05	-0.001	-0.10	0.0210	-1.9	-0.2	-1.0	-1.0
EPA 22A*	7/9/91	-0.10	-0.001	-0.01	-0.01	0.01	-0.05	0.10	-0.10	-0.05	-0.001	-0.10	0.0338	-1.6	-0.2	-1.0	-1.0
EPA 22A*	10/22/91	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.10	-0.10	-0.05	-0.001	-0.10	0.0130	-1.3	-0.2	-1.0	-1.0
EPA 22A*	1/23/92	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.11	-0.10	-0.05	0.001	-0.10	0.0360	4.3	-0.2	-1.0	2.0
EPA 22A*	4/2/92	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.11	-0.10	-0.05	-0.001	-0.10	0.0100	1.8	-0.2	-1.0	-1.0
EPA 22A*	7/16/92	-0.10	0.001	-0.01	-0.01	-0.01	-0.05	0.11	-0.10	-0.05	0.001	-0.10	0.0280	1.9	-0.2	-1.0	-1.0
EPA 22A*	10/15/92	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.11	-0.10	-0.05	-0.001	-0.10	0.0090	3.7	-0.2	2.2	-1.0
EPA 22A*	1/13/93	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.11	-0.10	-0.05	-0.001	-0.10	0.0410	-2.8	-0.2	-1.0	-1.0
EPA 22A*	4/15/93	-0.10	-0.001	-0.01	-0.01	0.02	-0.05	0.12	-0.10	-0.05	-0.001	-0.10	0.0390	-2.0	-0.2	-1.0	1.5
EPA 22A*	7/21/93	-0.10	-0.001	-0.01	-0.01	0.01	-0.05	0.11	-0.10	-0.05	-0.001	-0.10	0.0390	-1.6	-0.2	1.8	-1.0
EPA 22A*	10/12/93	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.12	-0.10	-0.05	-0.001	-0.10	0.0450	-1.6	-0.2	2.0	-1.0
EPA 22A*	1/11/94	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.13	-0.10	-0.05	-0.001	-0.10	0.0450	-1.2	-0.2	-1.0	-1.0
EPA 22A*	4/19/94	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.12	-0.10	-0.05	-0.001	-0.10	0.0340	1.9	-0.2	1.1	2.8
EPA 22A*	7/27/94	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.10	-0.10	-0.05	-0.001	-0.10	0.0350	10.5	-0.2	-1.0	13.7
EPA 22A*	10/11/94	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.11	-0.10	-0.05	-0.001	-0.10	0.0360	-1.8	-0.2	5.4	-1.0
EPA 22A*	1/11/95	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.13	-0.10	-0.05	-0.001	-0.10	0.0510	3.1	-0.2	-1.0	4.4
EPA 22A*	4/11/95	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.10	-0.10	-0.05	-0.001	-0.10	0.0310	1.9	-0.2	-1.0	2.7
EPA 22A*	7/11/95	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.15	-0.10	-0.05	-0.001	-0.10	0.0420	-1.4	-0.2	-1.0	1.5
EPA 22A*	10/10/95	-0.10	0.003	-0.01	-0.01	-0.01	-0.05	0.11	-0.10	-0.05	-0.001	-0.10	0.0360	5.1	-0.2	-1.0	2.3
EPA 22A*	1/9/96	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.10	-0.10	-0.05	-0.001	-0.10	0.0380	-1.4	0.8	-1.0	-1.0
EPA 22A*	4/10/96	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.09	-0.10	-0.05	-0.001	-0.10	0.0480	2.5	-0.2	-1.0	1.4
EPA 22A*	7/17/96	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.15	-0.10	-0.05	-0.001	-0.10	0.0480	-1.7	-0.2	-1.0	-1.0
EPA 22A*	10/8/96	-0.01	0.002	-0.01	-0.01	-0.01	-0.05	0.17	-0.10	-0.05	-0.001	-0.10	0.0510	-2.6	-0.2	-1.0	2.2
EPA 22A*	1/28/97	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.15	-0.10	-0.05	-0.001	-0.10	0.0320	-1.6	-0.2	-1.0	1.2
EPA 22A*	4/15/97	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.18	-0.10	-0.05	-0.001	-0.10	0.0430	-2.0	-0.2	-1.0	3.7
EPA 22A*	7/15/97	-0.10	0.001	-0.01	-0.01	-0.01	-0.05	0.27	-0.10	-0.05	0.003	-0.10	0.0320	-1.3	-0.2	-1.0	-1.0
EPA 23*	10/8/89	-0.10	-0.001	-0.05	-0.01	-0.01	-0.05	1.90	-0.10	-0.05	0.001	-0.10	0.0400	-1.2	9.8	-1.0	10.2
EPA 23*	1/17/90	-0.10	-0.001	-0.05	-0.01	-0.01	-0.05	1.90	-0.10	-0.05	-0.001	-0.10	0.0350	2.2	1.3	1.5	1.5
EPA 23*	4/18/90	-0.10	0.002	-0.05	-0.01	-0.01	-0.05	1.60	-0.10	-0.05	-0.016	-0.10	0.0310	-1.4	-0.2	1.0	-1.0
EPA 23*	7/13/90	-0.10	-0.001	-0.05	-0.01	0.01	-0.05	2.11	-0.10	-0.05	-0.001	-0.10	0.0388	-1.2	-0.2	-1.0	-1.0
EPA 23*	10/11/90	-0.10	-0.001	-0.05	-0.01	-0.01	-0.05	2.07	-0.10	-0.05	-0.001	-0.10	0.0378	-1.9	-0.2	-1.0	-1.0

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TABLE B.1

SOUTHWEST ALLUVIUM DATA SUMMARY
1989 - 2000

Well No.	Date	Water Elevation (ft AMSL)	Field pH (SU)	Lab pH (SU)	Lab TDS (mg/L)	Ca (mg/L)	Mg (mg/L)	Na (mg/L)	K (mg/L)	HCO_3 (mg/L)	SO_4 (mg/L)	Cl (mg/L)	NH_4 as N (mg/L)	NO_3 as N (mg/L)	Chloro-form (mg/L)	Naphtha-lene (mg/L)	Cyanide (mg/L)
	NRC Standard	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00100	0.001	0.005
	EPA Standard	NA	NA	NA	4,800	NA	NA	NA	NA	NA	2,125	250	NA	190	NA	NA	NA
EPA 23*	1/9/91	6893.90	6.5	7.10	4,876	688	418	177	27.0	1,070	2,406	97.5	0.51	95.0	-0.00100	-0.001	-0.005
EPA 23*	4/16/91	6893.60	6.4	7.90	4,876	604	387	165	11.1	1,059	2,408	90.0	0.43	115	-0.00100	-0.001	-0.005
EPA 23*	7/9/91	6892.90	6.3	6.81	5,029	616	393	163	9.0	1,122	2,347	93.7	0.56	81.8	-0.00100	-0.001	-0.005
EPA 23*	10/23/91	6892.40	6.3	7.17	4,870	626	393	173	10.2	1,059	2,257	101	0.80	67.5	-0.00100	-0.001	-0.005
EPA 23*	1/16/92	6891.70	6.4	7.42	4,916	619	382	168	9.8	979	2,376	100	1.00	94.3	-0.00100	-0.001	-0.005
EPA 23*	4/2/92	6891.50	6.3	7.27	4,901	669	360	211	12.0	1,096	2,408	89.3	0.73	94.3	-0.00100	-0.001	-0.005
EPA 23*	7/16/92	6890.20	6.5	7.08	5,173	682	349	201	11.4	1,093	2,390	93.4	0.40	74.4	-0.00100	-0.001	-0.005
EPA 23*	10/15/92	6889.30	6.6	7.11	4,866	655	339	170	11.5	1,091	2,373	88.2	0.70	48.4	-0.00100	-0.001	-0.005
EPA 23*	1/14/93	6889.20	6.6	7.30	4,647	622	358	155	11.1	1,054	2,404	78.6	1.20	39.5	-0.00100	-0.001	-0.005
EPA 23*	4/15/93	6888.90	6.7	7.08	4,777	669	349	176	8.8	1,094	2,361	93.1	0.75	56.6	-0.00100	-0.001	-0.005
EPA 23*	7/21/93	6887.50	6.7	7.48	4,450	671	347	180	11.0	1,137	2,207	87.8	0.93	53.0	-0.00100	-0.001	-0.005
EPA 23*	10/11/93	6885.70	6.7	7.06	4,749	753	372	155	9.0	1,059	2,225	79.6	0.91	52.4	-0.00100	-0.001	-0.005
EPA 23*	1/10/94	6886.70	6.6	7.42	4,712	681	346	179	8.4	1,007	2,547	85.2	0.90	41.5	-0.00100		
EPA 23*	4/19/94	6886.60	6.4	7.63	4,823	632	342	160	10.1	997	2,460	84.9	1.07	49.5	-0.00100		
EPA 23*	7/27/94	6886.00	6.5	7.40	4,720	748	344	144	9.7	1,061	2,369	88.4	0.80	52.1	-0.00100		
EPA 23*	10/10/94	6885.40	6.7	7.45	4,891	701	404	174	10.0	1,175	2,599	92.2	1.20	54.4	-0.00100		
EPA 23*	1/11/95	6885.30	6.6	7.21	4,852	690	352	156	10.4	1,142	2,333	96.7	1.41	56.3	-0.00100		
EPA 23*	4/11/95	6885.00	6.5	7.21	4,914	710	388	162	9.7	1,152	2,414	108	1.64	53.4	-0.00100		
EPA 23*	7/10/95	6884.10	6.6	7.50	4,865	695	401	176	10.3	1,227	2,303	113	2.28	61.4	-0.00100		
EPA 23*	10/9/95	6883.80	6.5	7.66	4,379	675	380	155	9.4	1,122	2,194	83.3	1.31	32.7	-0.00100		
EPA 23*	1/8/96	6883.30	6.4	7.35	4,421	690	390	162	10.1	1,114	2,267	86.0	1.39	42.5	-0.00100		
EPA 23*	4/9/96	6883.10	6.7	7.67	4,880	725	411	150	9.7	1,172	2,440	95.3	1.51	45.0	-0.00100		
EPA 23*	7/17/96	6882.50	6.5	7.07	4,518	620	350	135	10.0	1,048	2,368	68.0	1.09	8.94	-0.00100		
EPA 23*	10/8/96	6882.30	6.5	7.18	4,670	658	378	150	10.1	1,094	2,269	81.1	1.04	25.8	-0.00100		
EPA 23*	1/27/97	6881.80	6.6	7.83	4,720	650	370	152	10.3	1,138	2,403	99.0	1.19	32.9	-0.00100		
EPA 23*	4/4/97	6883.20	6.5	7.71	4,980	733	431	164	10.4	1,210	2,351	116.0	1.88	34.5	-0.00100		
EPA 23*	7/14/97	6881.10	6.5	7.56	4,810	699	400	145	10.0	1,130	2,190	99.0	1.39	33.4	-0.00100		
EPA 23*	10/14/97	6880.40	6.5	7.71	4,840	728	427	175	10.4	1,180	2,450	113.0	1.7	40	-0.00100		
EPA 23*	1/19/98	6881.10	6.6	7.64	4,490	647	369	134	10.5	1,050	2,730	71.4	1.41	1.93	-0.00100		
EPA 23*	4/13/98	6880.40	6.7	7.37	4,840	711	416	167	10.7	1,180	2,250	90.8	2.05	49.3	-0.00100		
EPA 23*	7/13/98	6880.10	6.7	7.73	5,060	710	424	170	10.7	1,190	2,200	98.9	2.32	46	-0.00100		
EPA 23*	10/6/98	6880.40	6.6	7.95	4,620	668	390	151	10.5	1,110	2,300	78.2	3.05	59.2	-0.00100		
EPA 23*	1/12/99	6880.10	6.7	7.72	4,740	653	374	142	9.7	1,180	2,100	95.6	2.45	61.6	-0.00100		
EPA 23*	4/13/99	6880.00	6.6	7.68	4,670	684	375	145	9.6	1,140	2,290	92.2	2.09	29.2	-0.00100		
EPA 23*	7/20/99	6879.91	6.7	7.67	4,640	690	402	134	12.0	1,120	2,300	86.0	2.65	56.5	-0.00100		
EPA 23*	10/12/99	6880.10	6.6	7.69	4,910	687	424	152	10.2	1,240	2,270	111.0	3.61	63.4	-0.00100		
EPA 23*	2/18/00	6879.60	6.6	7.73	4,730	624	379	144	11.2	1,190	1,840	92.6	3.11	60.5	-0.00100		
EPA 23*	5/9/00	6879.20	6.6	7.81	4,380	598	364	125	9.8	1040	2,130	68.7	0.96	1.41	-0.00100		
EPA 23Dup	5/9/00			7.81	4,430	600	365	125	9.6	1,050	2,150	70.0	0.99	1.38	-0.00100		

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TABLE B.1

SOUTHWEST ALLUVIUM DATA SUMMARY
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Well No.	Date	Al (mg/L)	As (mg/L)	Be (mg/L)	Cd (mg/L)	Co (mg/L)	Pb (mg/L)	Mn (mg/L)	Mo (mg/L)	Ni (mg/L)	Se (mg/L)	V (mg/L)	U (mg/L)	Ra-226+ Ra-228 (pCi/L)	Th-230 (pCi/L)	Pb-210 (pCi/L)	Gross Alpha (pCi/L)
	NRC Standard	NA	0.05	0.05	0.01	NA	0.05	NA	NA	0.05	0.01	0.10	0.3	5.0	5.0	1.0	15.0
	EPA Standard	5.0	0.05	0.02	0.01	0.05	0.05	2.60	1.00	0.2	0.01	0.70	5.0	5.0	NA	NA	15.0
EPA 23*	1/9/91	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	2.01	-0.10	-0.05	0.001	-0.10	0.0491	-1.2	-0.2	-1.0	-1.0
EPA 23*	4/16/91	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	2.08	-0.10	-0.05	-0.001	-0.10	0.0230	-1.2	-0.2	-1.0	-1.0
EPA 23*	7/9/91	0.17	-0.001	-0.01	-0.01	-0.01	-0.05	1.95	-0.10	-0.05	-0.001	-0.10	0.0436	-1.4	-0.2	-1.0	-1.0
EPA 23*	10/23/91	0.14	-0.001	-0.01	-0.01	-0.01		2.18	-0.10	-0.05	-0.001	-0.10	0.0510	-1.2	-0.2	-1.0	-1.0
EPA 23*	1/16/92	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	2.28	-0.10	-0.05	-0.001	-0.10	0.0320	-1.3	-0.2	-1.0	-1.0
EPA 23*	4/2/92	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	2.27	-0.10	-0.05	0.013	-0.10	0.0310	-3.8	-0.2	-1.0	-1.0
EPA 23*	7/16/92	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	2.23	-0.10	-0.05	0.001	-0.10	0.0320	4.3	-0.2	-1.0	1.3
EPA 23*	10/15/92	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	2.69	-0.10	-0.05	-0.001	-0.10	0.0380	3.0	-0.2	1.1	1.8
EPA 23*	1/14/93	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	2.68	-0.10	-0.05	-0.001	-0.10	0.0350	-2.0	-0.2	-1.0	-1.0
EPA 23*	4/15/93	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	2.61	-0.10	-0.05	-0.001	-0.10	0.0280	-1.3	-0.2	-1.0	-1.0
EPA 23*	7/21/93	-0.10	-0.001	-0.01	0.02	0.02	-0.05	2.89	-0.10	-0.05	-0.001	-0.10	0.0360	-1.2	-0.2	-1.0	-1.0
EPA 23*	10/11/93	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	2.74	-0.10	-0.05	0.001	-0.10	0.0280	-1.6	-0.2	-1.0	-1.0
EPA 23*	1/10/94	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	2.95	-0.10	-0.05	-0.001	-0.10	0.0350	-3.9	-0.2	-1.0	6.7
EPA 23*	4/19/94	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	2.63	-0.10	-0.05	-0.001	-0.10	0.0390	-1.2	-0.2	-1.0	-1.0
EPA 23*	7/27/94	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	2.75	-0.10	-0.05	0.001	-0.10	0.0320	4.0	-0.2	-1.0	5.4
EPA 23*	10/10/94	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	2.82	-0.10	-0.05	-0.001	-0.10	0.0360	-0.7	-0.2	1.9	-1.0
EPA 23*	1/11/95	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	2.75	-0.10	-0.05	-0.001	-0.10	0.0460	3.1	-0.2	1.9	4.5
EPA 23*	4/11/95	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	3.00	-0.10	-0.05	-0.001	-0.10	0.0340	-1.2	-0.2	-1.0	-1.0
EPA 23*	7/10/95	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	3.03	-0.10	-0.05	0.002	-0.10	0.0380	-1.3	-0.2	-1.0	3.3
EPA 23*	10/9/95	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	3.52	-0.10	-0.05	0.004	-0.10	0.0330	3.6	-0.2	-1.0	-1.0
EPA 23*	1/8/96	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	3.40	-0.10	-0.05	0.003	-0.10	0.0370	-1.2	-0.2	1.9	-1.0
EPA 23*	4/9/96	-0.10	0.002	-0.01	-0.01	-0.01	-0.05	3.29	-0.10	-0.05	-0.001	-0.10	0.0400	-1.2	-0.2	-1.0	-1.0
EPA 23*	7/17/96	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	4.20	-0.10	-0.05	-0.001	-0.10	0.0250	-1.2	-0.2	-1.0	-1.0
EPA 23*	10/8/96	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	3.65	-0.10	-0.05	-0.001	-0.10	0.0310	-0.8	-0.2	-1.0	-1.0
EPA 23*	1/27/97	-0.10	0.003	-0.01	-0.01	-0.01	-0.05	3.41	-0.10	-0.05	0.005	-0.10	0.0260	-0.6	-0.2	-1.0	-1.0
EPA 23*	4/4/97	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	3.39	-0.10	-0.05	0.005	-0.10	0.0350	-0.6	-0.2	-1.0	-1.0
EPA 23*	7/14/97	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	3.45	-0.10	-0.05	0.001	-0.10	0.0330	-1.0	-0.2	-1.0	-1.0
EPA 23*	10/14/97	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	3.69	-0.10	-0.05	0.003	-0.10	0.0390	-1.2	-0.2	-1.0	-1.0
EPA 23*	1/19/98	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	4.63	-0.10	-0.05	-0.001	-0.10	0.0240	-1.8	-0.2	-1.0	-1.0
EPA 23*	4/13/98	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	3.53	-0.10	-0.05	-0.001	-0.10	0.0405	-1.2	-0.2	-1.0	-1.0
EPA 23*	7/13/98	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	3.69	-0.10	-0.05	-0.001	-0.10	0.0448	-1.2	-0.2	-1.0	-1.0
EPA 23*	10/6/98	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	2.83	-0.10	-0.05	-0.001	-0.10	0.0288	-1.2	-0.2	-1.0	-1.0
EPA 23*	1/12/99	-0.10	-0.001	-0.01	0.005	-0.01	-0.05	2.75	-0.10	-0.05	-0.001	-0.10	0.0443	-1.2	-0.2	-1.0	-1.0
EPA 23*	4/13/99	-0.10	-0.001	-0.01	0.005	-0.01	-0.05	2.96	-0.10	-0.05	-0.001	-0.10	0.0313	-1.2	-0.2	-1.0	-1.0
EPA 23*	7/20/99	-0.10	-0.001	-0.01	0.005	-0.01	-0.05	2.33	-0.10	-0.05	-0.001	-0.10	0.0286	-1.2	-0.2	-1.0	-1.0
EPA 23*	10/12/99	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	3.23	-0.10	-0.05	-0.001	-0.10	0.0452	-1.2	-0.2	-1.0	-1.0
EPA 23*	2/18/00	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	3.17	-0.10	-0.05	0.001	-0.10	0.0388	-1.2	-0.2	-1.0	-1.0
EPA 23*	5/9/00	-0.10	-0.001	-0.01	-0.005	0.01	-0.05	7.09	-0.10	-0.05	-0.001	-0.10	0.0254	-2.3	-0.2	5.4	-1.0
EPA 23Dup	5/9/00	-0.10	-0.001	-0.01	-0.005	0.01	-0.05	6.96	-0.10	-0.05	-0.001	-0.10	0.0255	-1.8	-0.2	5.0	-1.0

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TABLE B.1

SOUTHWEST ALLUVIUM DATA SUMMARY
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Well No.	Date	Water Elevation (ft AMSL)	Field pH (SU)	Lab pH (SU)	Lab TDS (mg/L)	Ca (mg/L)	Mg (mg/L)	Na (mg/L)	K (mg/L)	HCO_3 (mg/L)	SO_4 (mg/L)	Cl (mg/L)	NH_4 as N (mg/L)	NO_3 as N (mg/L)	Chloro-form (mg/L)	Naphtha-lene (mg/L)	Cyanide (mg/L)
	NRC Standard	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00100	0.001	0.005
	EPA Standard	NA	NA	NA	4,800	NA	NA	NA	NA	NA	2,125	250	NA	190	NA	NA	NA
EPA 23*	7/17/00	6878.80	6.6	7.66	4,450	630	376	117	9.7	1,060	1,980	71.1	1.02	1.51	-0.00100		
EPA 23Dup	7/17/00			7.55	4,450	630	377	120	9.6	1,050	2,030	68.9	1.03	1.54	-0.00100		
EPA 25	10/8/89	6861.10	6.7	7.54	3,200	650	150	107	10.0	619	1,745	31.7	0.05	36.0	-0.00100	-0.001	-0.005
EPA 25	1/17/90	6861.50	6.6	6.70	3,252	625	147	106	7.8	615	1,656	31.7	0.05	30.0	-0.00100	-0.001	-0.005
EPA 25	4/18/90	6861.20	6.7	6.88	3,299	640	148	103	7.3	647	1,619	34.1	0.05	35.0	-0.00100	-0.001	-0.005
EPA 25	7/13/90	6860.60	6.7	7.18	3,343	642	164	101	8.6	677	1,628	34.1	-0.05	34.4	-0.00100	-0.001	-0.005
EPA 25	10/10/90	6860.70	6.8	7.32	3,422	711	155	105	8.1	653	1,724	38.0	-0.05	35.9	-0.00100	-0.001	-0.005
EPA 25	1/9/91	6861.00	6.8	7.20	3,248	655	152	111	12.0	667	1,624	39.4	-0.05	43.5	-0.00100	-0.001	-0.005
EPA 25	4/16/91	6860.80	6.6	7.90	3,300	633	150	107	7.6	650	1,640	40.2	-0.05	54.5	-0.00100	-0.001	-0.005
EPA 25	7/9/91	6860.90	6.4	7.14	3,461	607	153	95	6.7	677	1,718	39.2	0.15	55.0	-0.00100	-0.001	-0.005
EPA 25	10/24/91	6859.60	6.5	7.47	3,399	639	432	105	7.3	722	1,672	62.5	0.31	38.0	-0.00100	-0.001	-0.005
EPA 25	1/24/92	6859.30	6.5	7.51	3,123	619	153	102	7.0	691	1,669	45.7	0.14	23.5	-0.00100	-0.001	-0.005
EPA 25	4/3/92	6859.20	6.4	7.51	3,414	564	138	129	8.9	752	1,781	45.4	0.22	43.9	-0.00100	-0.001	-0.005
EPA 25	7/16/92	6858.50	6.5	7.48	3,076	623	161	156	10.1	740	1,804	49.3	0.18	44.9	-0.00100	-0.001	-0.005
EPA 25	10/15/92	6858.10	6.7	7.03	3,529	673	147	120	8.8	769	1,725	51.6	-0.05	38.9	-0.00100	-0.001	-0.005
EPA 25	1/12/93	6857.80	6.7	7.36	3,591	725	162	112	9.5	766	1,631	52.6	-0.05	50.7	-0.00100	-0.001	-0.005
EPA 25	4/15/93	6857.70	6.7	7.65	3,674	793	151	123	6.4	1,049	1,818	59.4	0.06	41.1	-0.00100	-0.001	-0.005
EPA 25	7/20/93	6857.00	6.7	7.52	3,503	696	151	127	7.1	817	1,709	62.7	0.07	38.7	-0.00100	-0.001	-0.005
EPA 25	10/11/93	6855.10	6.8	7.26	3,584	707	152	95	6.5	805	1,699	59.3	0.05	40.8	-0.00100	-0.001	-0.005
EPA 25	1/10/94	6856.60	6.8	7.59	3,639	662	163	99	6.3	790	1,771	67.8	0.12	38.6	-0.00100		
EPA 25	4/20/94	6856.30	6.8	7.07	3,486	647	151	112	6.5	791	1,672	67.0	0.18	47.1	-0.00100		
EPA 25	7/26/94	6855.80	6.7	7.60	3,663	783	181	115	7.4	822	1,681	70.4	-0.05	54.7	-0.00100		
EPA 25	10/10/94	6855.70	6.7	7.60	3,704	764	187	129	7.8	907	1,909	73.9	0.13	47.1	-0.00100		
EPA 25	1/10/95	6855.40	6.8	7.50	3,734	840	137	120	8.4	889	1,779	78.7	0.13	47.1	-0.00100		
EPA 25	4/11/95	6855.20	6.1	7.35	3,686	806	200	136	13.7	915	1,849	91.0	0.34	50.1	-0.00100		
EPA 25	7/10/95	6855.20	6.9	7.53	3,576	715	198	133	7.6	697	1,716	88.0	0.26	58.9	-0.00100		
EPA 25	10/9/95	6854.70	6.9	7.80	3,789	745	202	148	7.2	791	1,696	80.0	0.14	62.9	-0.00100		
EPA 25	1/8/96	6854.30	6.8	7.36	3,963	745	212	139	6.9	841	1,826	71.0	-0.05	86.4	-0.00100		
EPA 25	4/9/96	6854.00	6.9	7.76	3,942	790	206	135	7.2	937	1,766	87.4	0.11	62.6	-0.00100		
EPA 25	7/17/96	6853.70	6.7	7.10	3,928	710	182	145	7.9	964	1,816	95.0	0.07	67.2	-0.00100		
EPA 25	10/8/96	6853.60	6.7	7.09	4,000	767	199	144	7.9	981	1,742	89.0	0.08	59.6	-0.00100		
EPA 25	1/27/97	6853.30	6.7	7.99	3,960	760	200	135	8.1	952	1,939	117.0	0.06	60.8	-0.00100		
EPA 25	4/4/97	6854.20	6.5	7.96	4,020	851	215	142	8.3	981	1,777	100.0	-0.05	78.9	-0.00100		
EPA 25	7/14/97	6852.90	6.7	7.70	4,070	803	205	135	7.7	986	1,670	101.0	0.06	71.5	-0.00100		
EPA 25	10/14/97	6853.00	6.6	7.71	4,010	835	213	140	7.9	933	1,800	115.0	0.08	77.7	-0.00100		
EPA 25	1/20/98	6852.80	6.5	7.83	4,080	739	206	155	7.9	952	1,930	96.4	0.19	75.3	-0.00100		
EPA 25	4/13/98	6852.70	6.9	7.33	4,060	799	210	156	8.3	1,020	1,700	87.3	-0.05	76.9	-0.00100		
EPA 25	7/13/98	6852.60	6.9	7.64	4,210	804	213	155	8.5	1,040	1,680	92.6	-0.05	78.4	-0.00100		
EPA 25	10/6/98	6853.20	6.8	8.14	3,950	771	214	158	8.6	886	1,730	89.3	0.13	69.7	-0.00100		

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TABLE B.1

SOUTHWEST ALLUVIUM DATA SUMMARY
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Well No.	Date	Al (mg/L)	As (mg/L)	Be (mg/L)	Cd (mg/L)	Co (mg/L)	Pb (mg/L)	Mn (mg/L)	Mo (mg/L)	Ni (mg/L)	Se (mg/L)	V (mg/L)	U (mg/L)	Ra-226+ Ra-228 (pCi/L)	Th-230 (pCi/L)	Pb-210 (pCi/L)	Gross Alpha (pCi/L)
	NRC Standard	NA	0.05	0.05	0.01	NA	0.05	NA	NA	0.05	0.01	0.10	0.3	5.0	5.0	1.0	15.0
	EPA Standard	5.0	0.05	0.02	0.01	0.05	0.05	2.60	1.00	0.2	0.01	0.70	5.0	5.0	NA	NA	15.0
EPA 23*	7/17/00	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	4.76	-0.10	-0.05	-0.001	-0.10	0.0231	-1.2	-0.2	-1.0	-1.0
EPA 23Dup	7/17/00	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	4.61	-0.10	-0.05	-0.001	-0.01	0.0246	-1.2	-0.2	-1.0	-1.0
EPA 25	10/8/89	-0.10	-0.001	-0.05	-0.01	-0.01	-0.05	0.22	-0.10	-0.05	0.001	-0.10	0.0220	-2.0	-0.2	1.2	1.1
EPA 25	1/17/90	-0.10	-0.001	-0.05	-0.01	0.02	-0.05	0.21	-0.10	-0.05	-0.001	-0.10	0.0190	2.2	0.7	-1.0	1.0
EPA 25	4/18/90	-0.10	-0.001	-0.05	-0.01	0.02	-0.05	0.30	-0.10	-0.05	0.001	-0.10	0.0190	-1.5	-0.2	-1.0	1.4
EPA 25	7/13/90	-0.10	-0.001	-0.05	-0.01	-0.01	-0.05	0.18	-0.10	-0.05	-0.001	-0.10	0.0194	-1.2	-0.2	-1.0	-1.0
EPA 25	10/10/90	-0.10	-0.001	-0.05	-0.01	0.01	-0.05	0.20	-0.10	-0.05	-0.001	-0.10	0.0206	-1.2	-0.2	-1.0	-1.0
EPA 25	1/9/91	-0.10	-0.001	-0.01	-0.01	0.01	-0.05	0.23	-0.10	-0.05	-0.001	-0.10	0.0277	-1.2	-0.2	-1.0	-1.0
EPA 25	4/16/91	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.25	-0.10	-0.05	-0.001	-0.10	0.0170	-1.2	-0.2	1.5	-1.0
EPA 25	7/9/91	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.22	-0.10	-0.05	-0.001	-0.10	0.0231	-1.2	-0.2	1.7	-1.0
EPA 25	10/24/91	-0.10	-0.001	-0.01	-0.01	0.01		0.24	-0.10	-0.05	-0.001	-0.10	0.0490	-3.7	-0.2	-1.0	-1.0
EPA 25	1/24/92	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.24	-0.10	-0.05	0.001	-0.10	0.0270	-1.7	-0.2	-1.0	-1.0
EPA 25	4/3/92	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.22	-0.10	-0.05	-0.001	-0.10	0.0390	-5.2	-0.2	-1.0	-1.0
EPA 25	7/16/92	-0.10	0.007	-0.01	-0.01	0.02	-0.05	0.35	-0.10	-0.05	0.003	-0.10	0.0410	-1.2	-0.2	7.0	-1.0
EPA 25	10/15/92	-0.05	-0.001	-0.01	-0.01	-0.01	-0.05	0.23	-0.10	-0.05	-0.001	-0.10	0.0220	2.8	-0.2	5.7	1.9
EPA 25	1/12/93	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.22	-0.10	-0.05	0.010	-0.10	0.0180	-1.2	-0.2	-1.0	-1.0
EPA 25	4/15/93	-0.10	-0.001	-0.01	-0.01	0.02	-0.05	0.23	-0.10	-0.05	-0.001	-0.10	0.0250	-1.2	-0.2	1.9	-1.0
EPA 25	7/20/93	-0.10	-0.001	-0.01	-0.01	0.03	-0.05	0.24	-0.10	-0.05	-0.001	-0.10	0.0250	-1.2	-0.2	-1.0	-1.0
EPA 25	10/11/93	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.21	-0.10	-0.05	-0.001	-0.10	0.0230	-1.2	-0.2	3.5	-1.0
EPA 25	1/10/94	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.29	-0.10	-0.05	-0.001	-0.10	0.0620	-3.0	-0.2	5.2	5.2
EPA 25	4/20/94	-0.10	0.002	-0.01	-0.01	-0.01	-0.05	0.21	-0.10	-0.05	-0.001	-0.10	0.0400	0.7	-0.2	-1.0	1.9
EPA 25	7/26/94	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.26	-0.10	-0.05	-0.001	-0.10	0.0520	-1.2	-0.2	-1.0	-1.0
EPA 25	10/10/94	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.25	-0.10	-0.05	-0.001	-0.10	0.0460	-0.7	-0.2	-1.0	-1.0
EPA 25	1/10/95	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.29	-0.10	-0.05	-0.001	-0.10	0.0510	-1.2	-0.2	4.3	-1.0
EPA 25	4/11/95	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.46	-0.10	-0.05	-0.001	-0.10	0.0520	-3.1	-0.2	-1.0	2.0
EPA 25	7/10/95	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.37	-0.10	-0.05	0.001	-0.10	0.0590	-2.5	-0.2	-1.0	6.6
EPA 25	10/9/95	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.51	-0.10	-0.05	0.001	-0.10	0.0690	-4.5	1.4	-1.0	3.2
EPA 25	1/8/96	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	1.25	-0.10	-0.05	-0.001	-0.10	0.0090	-1.2	-0.2	-1.0	-1.0
EPA 25	4/9/96	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.46	-0.10	-0.05	-0.001	-0.10	0.0660	-1.4	-0.2	-1.0	-1.0
EPA 25	7/17/96	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.39	-0.10	-0.05	-0.001	-0.10	0.1890	-1.2	-0.2	-1.0	-1.0
EPA 25	10/8/96	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.41	-0.10	-0.05	-0.001	-0.10	0.0780	-0.6	-0.2	-1.0	-1.0
EPA 25	1/27/97	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.51	-0.10	-0.05	-0.001	-0.10	0.0630	-0.6	-0.2	-1.0	-1.0
EPA 25	4/4/97	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.29	-0.10	-0.05	0.006	-0.10	0.0950	-0.6	-0.2	-1.0	-1.0
EPA 25	7/14/97	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.32	-0.10	-0.05	0.001	-0.10	0.0820	-0.6	-0.2	-1.0	-1.0
EPA 25	10/14/97	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.44	-0.10	-0.05	0.001	-0.10	0.0930	-2.1	-0.2	-1.0	-1.0
EPA 25	1/20/98	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	0.36	-0.10	-0.05	-0.001	-0.10	0.0940	-1.7	-0.2	-1.0	-1.0
EPA 25	4/13/98	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	0.35	-0.10	-0.05	-0.001	-0.10	0.0999	-1.2	-0.2	-1.0	-1.0
EPA 25	7/13/98	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	0.31	-0.10	-0.05	-0.001	-0.10	0.1040	-1.2	-0.2	-1.0	-1.0
EPA 25	10/6/98	-0.10	-0.001	-0.01	0.005	-0.01	-0.05	0.61	-0.10	-0.05	0.001	-0.10	0.0987	-1.4	-0.2	-1.0	-1.0

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TABLE B.1

SOUTHWEST ALLUVIUM DATA SUMMARY
1989 - 2000

Well No.	Date	Water Elevation (ft AMSL)	Field pH (SU)	Lab pH (SU)	Lab TDS (mg/L)	Ca (mg/L)	Mg (mg/L)	Na (mg/L)	K (mg/L)	HCO_3 (mg/L)	SO_4 (mg/L)	Cl (mg/L)	NH_4 as N (mg/L)	NO_3 as N (mg/L)	Chloro-form (mg/L)	Naphtha-lene (mg/L)	Cyanide (mg/L)
	NRC Standard	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00100	0.001	0.005
	EPA Standard	NA	NA	NA	4,800	NA	NA	NA	NA	NA	2,125	250	NA	190	NA	NA	NA
EPA 25	1/12/99	6853.00	6.8	7.86	4,060	733	197	137	8.0	930	1,600	89.5	0.08	78.5	-0.00100		
EPA 25	4/13/99	6852.70	6.8	7.97	4,040	813	196	146	7.8	969	1,620	93.6	0.05	75.0	-0.00100		
EPA 25	7/20/99	6852.68	6.8	7.85	4,040	762	226	140	9.0	941	1,740	84.0	0.07	72.4	-0.00100		
EPA 25	10/12/99	6852.40	6.8	7.75	4,090	736	201	139	8.0	959	1,520	87.7	0.06	85.7	-0.00100		
EPA 25	2/18/00	6852.30	6.8	7.97	4,060	752	206	139	9.2	934	1,500	79.6	-0.05	90.8	-0.00100		
EPA 25	6/21/00	6852.70	6.8	7.77	4,030	691	214	160	8.2	813	1,670	75.3	-0.05	105.0	-0.00100		
EPA 25	7/18/00	6852.40	6.9	7.70	4,120	682	219	157	7.5	778	1,600	67.7	-0.05	112.0	-0.00100		
EPA 27	10/4/89	6864.80	8.1	7.80	4,734	550	242	329	22.4	196	2,266	74.5	0.09	150	-0.00100	-0.001	-0.005
EPA 27	1/23/90	6865.00	8.0	7.40	4,680	538	268	340	17.0	223	2,217	78.8	0.11	180	-0.00100	-0.001	-0.005
EPA 27	4/18/90	6864.70	7.9	7.55	4,775	530	260	340	13.4	283	2,160	79.6	0.08	182	-0.00100	-0.001	-0.005
EPA 27	7/13/90	6864.10	8.9	7.74	4,731	562	239	348	20.4	167	2,073	79.7	-0.05	202	-0.00100	-0.001	-0.005
EPA 27	10/16/90	6864.20	8.2	7.78	4,786	558	238	372	16.8	183	2,324	89.4	0.05	196	-0.00100	-0.001	-0.005
EPA 27	1/10/91	6864.30	7.7	7.60	4,274	574	288	381	17.1	143	2,074	83.8	0.13	171	-0.00100	-0.001	-0.005
EPA 27	4/16/91	6864.30	7.6	8.12	4,727	547	228	350	16.3	179	2,296	85.3	-0.05	256	-0.00100	-0.001	-0.005
EPA 27	7/9/91	6863.80	7.5	7.68	4,925	528	253	326	14.9	121	2,420	81.3	-0.05	200	-0.00100	-0.001	-0.005
EPA 27	10/23/91	6863.30	7.7	7.70	4,461	452	146	359	19.4	122	2,229	98.0	0.31	141	-0.00100	-0.001	-0.005
EPA 27	1/23/92	6863.00	7.8	7.47	4,570	519	196	335	13.0	129	2,103	92.1	-0.05	125	-0.00100	-0.001	-0.005
EPA 27	4/3/92	6862.90	7.3	7.87	4,087	581	248	416	18.7	208	2,443	82.5	-0.05	194	-0.00100	-0.001	-0.005
EPA 27	7/16/92	6862.10	8.2	7.76	4,239	454	225	441	17.0	73	2,224	99.0	-0.05	150	-0.00100	-0.001	-0.005
EPA 27	10/15/92	6861.60	7.9	7.76	4,534	566	213	374	17.3	75	2,302	99.1	-0.05	147	-0.00100	-0.001	-0.005
EPA 27	1/12/93	6861.00	7.9	7.85	4,496	571	217	395	16.1	116	2,386	98.9	-0.05	195	-0.00100	-0.001	-0.005
EPA 27	4/15/93	6861.00	7.9	7.86	4,612	472	237	389	10.2	96	2,260	111	0.07	150	-0.00100	-0.001	-0.005
EPA 27	7/21/93	6860.40	8.5	7.87	4,408	519	198	387	15.5	82	2,195	104	-0.05	141	-0.00100	-0.001	-0.005
EPA 27	10/12/93	6858.70	8.1	6.79	3,844	551	183	314	14.1	75	2,175	101	0.05	92.5	-0.00100	-0.001	-0.005
EPA 27	1/11/94	6859.70	8.1	7.75	4,266	501	183	320	13.0	103	2,181	97.8	-0.05	122	-0.00100		
EPA 27	4/19/94	6859.30	6.5	8.12	4,020	509	172	373	15.3	81	2,073	107	0.20	143	-0.00100		
EPA 27	7/27/94	6859.00	8.0	7.77	3,954	568	143	307	16.7	59	2,060	108	-0.05	148	-0.00100		
EPA 27	10/11/94	6858.60	8.0	7.83	4,264	565	223	377	12.1	68	2,245	108	0.09	141	-0.00100		
EPA 27	1/11/95	6858.20	8.3	7.54	4,030	552	151	337	16.3	75	2,066	113	0.16	190	-0.00100		
EPA 27	4/11/95	6858.10	7.5	8.02	4,125	541	169	354	15.6	63	2,054	118	0.21	149	-0.00100		
EPA 27	7/11/95	6857.80	7.9	7.90	3,897	550	134	332	15.6	65	1,872	118	0.05	129	-0.00100		
EPA 27	10/10/95	6857.40	7.9	8.18	3,760	535	128	360	18.2	54	1,796	108	-0.05	121	-0.00100		
EPA 27	1/9/96	6857.10	7.9	7.90	3,743	530	126	328	16.1	62	1,929	116	-0.05	132	-0.00100		
EPA 27	4/10/96	6856.80	8.4	7.97	3,875	552	133	324	14.1	58	2,080	126	0.07	123	-0.00100		
EPA 27	7/17/96	6856.50	7.8	7.82	3,730	560	118	348	16.4	46	2,009	124	-0.05	143	-0.00100		
EPA 27	10/8/96	6856.20	7.7	8.04	3,720	524	127	343	16.5	40	1,865	112	0.13	121	-0.00100		
EPA 27	1/28/97	6855.90	7.7	7.64	3,720	530	135	336	15.4	40	1,910	156	0.18	113	-0.00100		
EPA 27	4/15/97	6855.90	7.1	7.65	3,660	564	111	332	16.8	31	1,876	120	0.06	139	-0.00100		
EPA 27	7/15/97	6855.60	7.5	7.58	3,710	547	127	317	16.3	31	1,790	123	0.08	116	-0.00100		

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TABLE B.1

SOUTHWEST ALLUVIUM DATA SUMMARY
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Well No.	Date	Al (mg/L)	As (mg/L)	Be (mg/L)	Cd (mg/L)	Co (mg/L)	Pb (mg/L)	Mn (mg/L)	Mo (mg/L)	Ni (mg/L)	Se (mg/L)	V (mg/L)	U (mg/L)	Ra-226+ Ra-228 (pCi/L)	Th-230 (pCi/L)	Pb-210 (pCi/L)	Gross Alpha (pCi/L)
	NRC Standard	NA	0.05	0.05	0.01	NA	0.05	NA	NA	0.05	0.01	0.10	0.3	5.0	5.0	1.0	15.0
	EPA Standard	5.0	0.05	0.02	0.01	0.05	0.05	2.60	1.00	0.2	0.01	0.70	5.0	5.0	NA	NA	15.0
EPA 25	1/12/99	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	0.76	-0.10	-0.05	-0.001	-0.10	0.1510	-1.8	-0.2	-1.0	-1.0
EPA 25	4/13/99	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	0.55	-0.10	-0.05	-0.001	-0.10	0.0096	-1.8	-0.2	-1.0	-1.0
EPA 25	7/20/99	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	0.30	-0.10	-0.05	-0.001	-0.10	0.1030	2.9	-0.2	-1.0	2.2
EPA 25	10/12/99	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	0.33	-0.10	-0.05	-0.001	-0.10	0.1040	-1.2	-0.2	-1.0	-1.0
EPA 25	2/18/00	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	0.30	-0.10	-0.05	0.001	-0.10	0.0928	-1.5	0.7	-1.0	-1.0
EPA 25	6/21/00	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	0.96	-0.10	-0.05	-0.001	-0.10	0.0935	-3.1	-0.2	-1.0	-1.0
EPA 25	7/18/00	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	0.96	-0.10	-0.05	-0.001	-0.10	0.0865	-2.2	-0.2	-1.0	-1.0
EPA 27	10/4/89	-0.10	-0.001	-0.05	-0.01	-0.01	-0.05	-0.01	0.03	-0.05	0.006	-0.10	0.0320	2.4	-0.2	-1.0	1.1
EPA 27	1/23/90	-0.10	-0.001	-0.05	-0.01	-0.01	-0.05	0.01	-0.10	-0.05	0.005	-0.10	0.0460	-1.7	1.4	-1.0	1.7
EPA 27	4/18/90	-0.10	-0.001	-0.05	-0.01	-0.01	-0.05	0.01	-0.10	-0.05	0.005	-0.10	0.0270	-1.2	-0.2	-1.0	-1.0
EPA 27	7/13/90	-0.10	-0.001	-0.05	-0.01	-0.01	-0.05	-0.01	-0.10	-0.05	0.002	-0.10	0.0213	-1.2	0.8	1.0	-1.0
EPA 27	10/16/90	-0.10	-0.001	-0.05	-0.01	0.04	-0.05	-0.01	-0.10	-0.05	0.003	-0.10	0.0282	-1.2	-0.2	-1.0	-1.0
EPA 27	1/10/91	-0.10	-0.001	-0.01	-0.01	0.02	-0.05	0.01	-0.10	-0.05	0.006	-0.10	0.0286	-1.8	-0.2	-1.0	1.2
EPA 27	4/16/91	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	-0.01	-0.10	-0.05	0.004	-0.10	0.0240	-1.2	-0.2	1.3	-1.0
EPA 27	7/9/91	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.01	-0.10	-0.05	0.005	-0.10	0.0347	-1.4	-0.2	-1.0	-1.0
EPA 27	10/23/91	-0.10	-0.001	-0.01	-0.01	0.01		0.01	-0.10	-0.05	0.006	-0.10	0.0320	-1.2	-0.2	-1.0	-1.0
EPA 27	1/23/92	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.02	-0.10	-0.05	0.001	-0.10	0.0390	1.5	-0.2	1.6	-1.0
EPA 27	4/3/92	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.02	-0.10	-0.05	0.096	-0.10	0.0140	-1.2	-0.2	2.4	-1.0
EPA 27	7/16/92	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	-0.01	-0.10	-0.05	0.006	-0.10	0.0240	3.1	-0.2	-1.0	-1.0
EPA 27	10/15/92	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.01	-0.10	-0.05	0.007	-0.10	0.0290	6.0	-0.2	2.2	-1.0
EPA 27	1/12/93	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	-0.01	-0.10	-0.05	0.031	-0.10	0.0110	-1.2	-0.2	-1.0	-1.0
EPA 27	4/15/93	-0.10	0.001	-0.01	-0.01	-0.01	-0.05	0.02	-0.10	-0.05	0.011	-0.10	0.0230	-1.2	-0.2	1.9	-1.0
EPA 27	7/21/93	-0.10	0.001	-0.01	-0.01	0.01	-0.05	0.02	-0.10	-0.05	0.015	-0.10	0.0180	-1.2	-0.2	-1.0	-1.0
EPA 27	10/12/93	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.01	-0.10	-0.05	0.011	-0.10	0.0190	-1.5	-0.2	1.9	-1.0
EPA 27	1/11/94	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.01	-0.10	-0.05	0.010	-0.10	0.0230	-1.9	-0.2	-1.0	3.5
EPA 27	4/19/94	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	-0.01	-0.10	-0.05	0.009	-0.10	0.0190	-1.2	-0.2	-1.0	-1.0
EPA 27	7/27/94	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	-0.01	-0.10	-0.05	0.007	-0.10	0.0140	4.7	-0.2	1.9	6.8
EPA 27	10/11/94	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	-0.01	-0.10	-0.05	0.008	-0.10	0.0210	-1.3	-0.2	1.0	-1.0
EPA 27	1/11/95	-0.10	0.002	-0.01	-0.01	-0.01	-0.05	-0.01	-0.10	-0.05	0.011	-0.10	0.0170	-2.8	-0.2	3.0	4.3
EPA 27	4/11/95	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.01	-0.10	-0.05	0.011	-0.10	0.0140	-1.2	-0.2	-1.0	-1.0
EPA 27	7/11/95	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.01	-0.10	-0.05	0.012	-0.10	0.0110	-1.2	-0.2	-1.0	-1.0
EPA 27	10/10/95	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	-0.01	-0.10	-0.05	0.035	-0.10	0.0094	1.7	-0.2	-1.0	-1.0
EPA 27	1/9/96	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	-0.01	-0.10	-0.05	0.038	-0.10	0.0110	-1.2	-0.2	-1.0	-1.0
EPA 27	4/10/96	-0.10	0.002	-0.01	-0.01	-0.01	-0.05	0.01	-0.10	-0.05	0.009	-0.10	0.0130	-1.2	-0.2	-1.0	-1.0
EPA 27	7/17/96	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	-0.01	-0.10	-0.05	-0.001	-0.10	0.0100	-3.1	-0.2	-1.0	-1.0
EPA 27	10/8/96	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	-0.01	-0.10	-0.05	0.009	-0.10	0.0120	-0.6	-0.2	-1.0	-1.0
EPA 27	1/28/97	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.08	-0.10	-0.05	0.015	-0.10	0.0060	-0.6	-0.2	-1.0	-1.0
EPA 27	4/15/97	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	-0.01	-0.10	-0.05	0.042	-0.10	0.0030	-0.6	-0.2	-1.0	-1.0
EPA 27	7/15/97	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	-0.01	-0.10	-0.05	0.019	-0.10	0.0060	-0.6	-0.2	-1.0	-1.0

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TABLE B.1

SOUTHWEST ALLUVIUM DATA SUMMARY
1989 - 2000

Well No.	Date	Water Elevation (ft AMSL)	Field pH (SU)	Lab pH (SU)	Lab TDS (mg/L)	Ca (mg/L)	Mg (mg/L)	Na (mg/L)	K (mg/L)	HCO_3 (mg/L)	SO_4 (mg/L)	Cl (mg/L)	NH_4 as N (mg/L)	NO_3 as N (mg/L)	Chloro-form (mg/L)	Naphtha-lene (mg/L)	Cyanide (mg/L)
	NRC Standard	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00100	0.001	0.005
	EPA Standard	NA	NA	NA	4,800	NA	NA	NA	NA	NA	2,125	250	NA	190	NA	NA	NA
EPA 28*	10/4/89	6867.70	6.5	7.20	4,989	565	475	216	14.1	738	2,720	107	-0.05	113	-0.00100	-0.001	-0.005
EPA 28*	1/23/90	6867.70	6.6	6.80	4,904	525	468	227	10.4	756	2,434	116	0.09	75.0	-0.00100	-0.001	-0.005
EPA 28*	4/18/90	6867.30	6.8	7.12	4,977	542	428	207	9.9	815	2,330	117	0.12	69.0	-0.00100	-0.001	-0.005
EPA 28*	7/13/90	6866.20	6.7	7.21	5,037	541	440	212	10.0	821	2,210	126	-0.05	74.2	-0.00100	-0.001	-0.005
EPA 28*	10/16/90	6866.70	6.5	7.21	5,306	548	231	387	17.7	522	3,005	111	-0.05	62.5	-0.00100	-0.001	-0.005
EPA 28*	1/10/91	6866.70	6.6	7.17	5,138	542	487	232	13.8	627	2,732	115	-0.05	68.0	-0.00100	-0.001	-0.005
EPA 28*	4/16/91	6866.70	6.5	7.76	5,194	497	470	222	11.8	632	2,824	123	-0.05	88.0	-0.00100	-0.001	-0.005
EPA 28*	7/9/91	6866.20	6.4	7.07	5,350	477	463	208	10.1	551	2,940	107	-0.05	68.0	-0.00100	-0.001	-0.005
EPA 28*	10/23/91	6865.40	6.4	7.50	5,170	488	499	225	11.4	534	2,792	114	0.28	52.3	-0.00100	-0.001	-0.005
EPA 28*	1/23/92	6865.10	6.4	7.37	5,268	490	448	213	10.2	583	2,786	111	0.14	40.6	-0.00100	-0.001	-0.005
EPA 28*	4/3/92	6865.30	6.5	7.46	4,613	505	448	263	12.6	612	2,934	110	0.22	72.1	-0.00100	-0.001	-0.005
EPA 28*	7/16/92	6864.40	6.6	7.20	5,042	517	489	246	13.6	561	2,916	110	0.10	35.4	-0.00100	-0.001	-0.005
EPA 28*	10/15/92	6863.20	6.7	7.21	5,249	509	486	236	10.9	550	3,015	106	-0.05	55.5	-0.00100	-0.001	-0.005
EPA 28*	1/12/93	6862.60	6.6	7.16	5,095	546	482	244	13.9	584	2,973	110	-0.05	77.9	-0.00100	-0.001	-0.005
EPA 28*	4/15/93	6863.00	6.7	7.49	5,230	534	483	251	10.0	744	2,981	122	0.08	63.0	-0.00100	-0.001	-0.005
EPA 28*	7/21/93	6862.20	6.7	7.49	4,999	546	474	249	12.5	561	2,968	98.9	-0.05	49.5	-0.00100	-0.001	-0.005
EPA 28*	10/12/93	6859.60	7.0	7.18	5,002	525	450	223	10.6	603	2,913	109	-0.05	48.6	-0.00100	-0.001	-0.005
EPA 28*	1/11/94	6861.10	7.0	7.73	5,378	544	473	236	10.6	562	3,132	101	-0.05	52.8	-0.00100		
EPA 28*	4/19/94	6860.90	6.7	7.71	5,077	481	452	232	12.6	527	2,901	108	0.06	56.2	-0.00100		
EPA 28*	7/27/94	6860.50	6.7	7.45	5,476	611	527	197	12.7	559	3,177	102	-0.05	59.2	-0.00100		
EPA 28*	10/11/94	6860.00	6.7	7.69	5,491	545	574	241	13.0	614	3,325	97.5	0.06	38.6	-0.00100		
EPA 28*	1/11/95	6859.70	6.7	7.65	5,614	510	576	202	12.9	586	3,257	96.7	0.13	48.2	-0.00100		
EPA 28*	4/11/95	6859.70	6.7	7.39	5,089	532	496	217	11.8	601	3,028	124	0.15	28.6	-0.00100		
EPA 28*	7/11/95	6859.30	6.9	7.85	4,851	535	505	219	11.5	554	2,850	115	-0.05	51.7	-0.00100		
EPA 28*	10/10/95	6858.80	6.9	7.94	4,825	520	495	229	12.0	549	2,802	101	-0.05	47.2	-0.00100		
EPA 28*	1/9/96	6858.40	7.0	7.29	5,029	535	520	207	11.6	528	2,979	112	-0.05	55.3	-0.00100		
EPA 28*	4/10/96	6858.00	7.1	7.73	5,273	508	500	209	10.8	556	3,165	124	0.07	48.5	-0.00100		
EPA 28*	7/17/96	6857.80	7.0	7.08	5,267	525	550	227	12.1	531	3,045	112	-0.05	125.0	-0.00100		
EPA 28*	10/8/96	6857.60	7.0	7.23	5,260	538	498	223	11.8	360	2,849	108	0.07	47.3	-0.00100		
EPA 28*	1/28/97	6857.40	7.0	7.73	5,270	545	500	194	11.2	642	2,935	157	0.06	47.2	-0.00100		
EPA 28*	4/15/97	6857.30	7.0	7.61	5,350	574	555	213	12.1	544	3,280	116	-0.05	52.6	-0.00100		
EPA 28*	7/15/97	6857.00	6.8	7.83	5,360	539	506	206	11.7	531	2,810	119	0.05	44.6	-0.00100		
EPA 28*	10/15/97	6857.10	6.7	7.83	5,290	585	543	217	11.5	667	3,010	145	0.05	49.5	-0.00100		
EPA 28*	1/20/98	6857.20	6.7	8.07	5,330	531	514	224	12.8	540	3,250	121	0.16	51.4	-0.00100		
EPA 28*	4/14/98	6856.90	7.0	7.41	5,430	549	556	221	12.6	539	2,990	95	-0.05	44.5	-0.00100		
EPA 28*	7/14/98	6856.70	7.0	7.88	5,630	538	543	228	12.8	544	2,900	101	-0.05	41.7	-0.00100		
EPA 28*	10/6/98	6858.40	6.8	7.94	5,230	526	525	227	12.4	535	3,050	104	0.11	39.5	-0.00100		
EPA 28*	1/12/99	6917.90	6.9	8.02	5,380	468	504	204	12.8	538	3,100	101	0.08	43.7	-0.00100		
EPA 28*	4/13/99	6857.70	6.8	8.05	5,360	544	550	214	11.9	533	2,930	106	0.08	45.1	-0.00100		

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TABLE B.1

SOUTHWEST ALLUVIUM DATA SUMMARY
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Well No.	Date	Al (mg/L)	As (mg/L)	Be (mg/L)	Cd (mg/L)	Co (mg/L)	Pb (mg/L)	Mn (mg/L)	Mo (mg/L)	Ni (mg/L)	Se (mg/L)	V (mg/L)	U (mg/L)	Ra-226+ Ra-228 (pCi/L)	Th-230 (pCi/L)	Pb-210 (pCi/L)	Gross Alpha (pCi/L)
	NRC Standard	NA	0.05	0.05	0.01	NA	0.05	NA	NA	0.05	0.01	0.10	0.3	5.0	5.0	1.0	15.0
	EPA Standard	5.0	0.05	0.02	0.01	0.05	0.05	2.60	1.00	0.2	0.01	0.70	5.0	5.0	NA	NA	15.0
EPA 28*	10/4/89	-0.10	-0.001	-0.05	-0.01	-0.01	-0.05	0.19	-0.10	-0.05	0.002	-0.10	0.0410	-3.7	4.6	-1.0	8.4
EPA 28*	1/23/90	-0.10	-0.001	-0.05	-0.01	0.01	-0.05	0.18	-0.10	-0.05	0.002	-0.10	0.0450	3.4	1.8	1.3	3.2
EPA 28*	4/18/90	-0.10	-0.001	-0.05	-0.01	-0.01	-0.05	0.17	-0.10	-0.05	0.001	-0.10	0.2600	-1.8	-0.2	-1.0	1.3
EPA 28*	7/13/90	-0.10	-0.001	-0.05	-0.01	-0.01	-0.05	0.17	-0.10	-0.05	-0.001	-0.10	0.0378	-1.4	-0.2	-1.0	-1.0
EPA 28*	10/16/90	-0.10	-0.001	-0.05	-0.01	0.01	-0.05	0.23	-0.10	-0.05	-0.001	-0.10	0.0206	-1.8	-0.2	-1.0	-1.0
EPA 28*	1/10/91	-0.10	-0.001	-0.01	0.01	0.02	-0.05	0.21	-0.10	-0.05	0.002	-0.10	0.0268	-3.4	-0.2	6.3	3.1
EPA 28*	4/16/91	-0.10	-0.001	-0.01	0.01	-0.01	-0.05	0.18	-0.10	-0.05	-0.001	-0.10	0.0270	4.0	-0.2	-1.0	-1.0
EPA 28*	7/9/91	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.20	-0.10	-0.05	-0.001	-0.10	0.0302	2.5	-0.2	-1.0	2.0
EPA 28*	10/23/91	-0.10	-0.001	-0.01	-0.01	0.01		0.21	-0.10	-0.05	-0.001	-0.10	0.0500	-1.7	-0.2	-1.0	-1.0
EPA 28*	1/23/92	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.23	-0.10	-0.05	0.001	-0.10	0.0240	4.3	-0.2	2.7	-1.0
EPA 28*	4/3/92	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.23	-0.10	-0.05	0.008	-0.10	0.0190	1.6	-0.2	-1.0	-1.0
EPA 28*	7/16/92	-0.10	-0.001	-0.01	-0.01	0.02	-0.05	0.23	-0.10	-0.05	0.001	-0.10	0.0230	-2.7	-0.2	-1.0	1.9
EPA 28*	10/15/92	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.21	-0.10	-0.05	-0.001	-0.10	0.0290	-1.9	-0.2	2.6	-1.0
EPA 28*	1/12/93	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.24	-0.10	-0.05	0.016	-0.10	0.0260	3.7	-0.2	-1.0	-1.0
EPA 28*	4/15/93	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.24	-0.10	-0.05	-0.001	-0.10	0.0280	-1.6	-0.2	-1.0	-1.0
EPA 28*	7/21/93	-0.10	-0.001	-0.01	-0.01	0.01	-0.05	0.25	-0.10	-0.05	-0.001	-0.10	0.0290	-1.5	-0.2	-1.0	-1.0
EPA 28*	10/12/93	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.24	-0.10	-0.05	0.001	-0.10	0.0380	-2.0	-0.2	2.8	-1.0
EPA 28*	1/11/94	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.27	-0.10	-0.05	-0.001	-0.10	0.0270	4.6	-0.2	-1.0	7.7
EPA 28*	4/19/94	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.32	-0.10	-0.05	-0.001	-0.10	0.0260	-1.7	-0.2	2.0	7.2
EPA 28*	7/27/94	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.25	-0.10	-0.05	0.002	-0.10	0.0190	-1.1	-0.2	-1.0	-1.0
EPA 28*	10/11/94	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.26	-0.10	-0.05	-0.001	-0.10	0.0240	-4.7	-0.2	-1.0	3.9
EPA 28*	1/11/95	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.30	-0.10	-0.05	-0.001	-0.10	0.0260	4.9	-0.2	2.6	6.9
EPA 28*	4/11/95	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.27	-0.10	-0.05	-0.001	-0.10	0.0250	-1.4	-0.2	-1.0	-1.0
EPA 28*	7/11/95	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.25	-0.10	-0.05	0.002	-0.10	0.0260	-2.3	-0.2	1.6	6.9
EPA 28*	10/10/95	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.23	-0.10	-0.05	0.002	-0.10	0.0270	2.0	0.5	-1.0	1.5
EPA 28*	1/9/96	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.29	-0.10	-0.05	0.005	-0.10	0.0270	-1.6	-0.2	-1.0	-1.0
EPA 28*	4/10/96	-0.10	0.002	-0.01	-0.01	-0.01	-0.05	0.27	-0.10	-0.05	-0.001	-0.10	0.0330	-1.2	-0.2	-1.0	-1.0
EPA 28*	7/17/96	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.22	-0.10	-0.05	-0.001	-0.10	0.0320	-2.8	-0.2	-1.0	-1.0
EPA 28*	10/8/96	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.27	-0.10	-0.05	-0.001	-0.10	0.0380	-1.5	-0.2	-1.0	-1.0
EPA 28*	1/28/97	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.27	-0.10	-0.05	-0.001	-0.10	0.0230	-0.6	-0.2	-1.0	-1.0
EPA 28*	4/15/97	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.24	-0.10	-0.05	0.005	-0.10	0.0220	-0.6	-0.2	-1.0	-1.0
EPA 28*	7/15/97	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.19	-0.10	-0.05	0.001	-0.10	0.0250	-0.6	-0.2	-1.0	-1.0
EPA 28*	10/15/97	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.23	-0.10	-0.05	0.002	-0.10	0.0350	5.1	-0.2	5.5	-1.0
EPA 28*	1/20/98	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	0.23	-0.10	-0.05	-0.001	-0.10	0.0280	-1.7	-0.2	-1.0	-1.0
EPA 28*	4/14/98	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	0.31	-0.10	-0.05	-0.001	-0.10	0.0261	-2.6	-0.2	-1.0	2.9
EPA 28*	7/14/98	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	0.31	-0.10	-0.05	-0.001	-0.10	0.0431	-1.7	-0.2	-1.0	-1.0
EPA 28*	10/6/98	-0.10	-0.001	-0.01	0.005	-0.01	-0.05	0.18	-0.10	-0.05	0.001	-0.10	0.0315	-1.2	-0.2	-1.0	-1.0
EPA 28*	1/12/99	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	0.30	-0.10	-0.05	-0.001	-0.10	0.0324	-1.6	-0.2	-1.0	-1.0
EPA 28*	4/13/99	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	0.32	-0.10	-0.05	-0.001	-0.10	0.0251	-1.2	-0.2	-1.0	-1.0

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TABLE B.1

SOUTHWEST ALLUVIUM DATA SUMMARY
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Well No.	Date	Water Elevation (ft AMSL)	Field pH (SU)	Lab pH (SU)	Lab TDS (mg/L)	Ca (mg/L)	Mg (mg/L)	Na (mg/L)	K (mg/L)	HCO_3 (mg/L)	SO_4 (mg/L)	Cl (mg/L)	NH_4 as N (mg/L)	NO_3 as N (mg/L)	Chloro-form (mg/L)	Naphtha-lene (mg/L)	Cyanide (mg/L)
	NRC Standard	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00100	0.001	0.005
	EPA Standard	NA	NA	NA	4,800	NA	NA	NA	NA	NA	2,125	250	NA	190	NA	NA	NA
EPA 28*	7/20/99	6856.36	6.9	7.94	5,390	528	556	235	15.0	557	3,010	106	0.05	40.0	-0.00100		
EPA 28*	10/12/99	6857.30	6.9	7.98	5,210	532	518	190	11.3	542	2,930	108	-0.05	40.4	-0.00100		
EPA 28*	2/18/00	6856.80	6.8	8.07	5,280	498	514	192	12.8	534	2,820	99.6	0.05	39.1	-0.00100		
EPA 28*	6/21/00	6856.60	6.6	7.77	5,080	503	477	201	11.3	635	2,600	115	-0.05	49.5	-0.00100		
EPA 28*	7/17/00	6856.40	6.7	7.70	5,190	534	499	195	11.4	636	2,570	119	-0.05	46.1	-0.00100		
GW 1*	10/16/89	6868.90	7.0	7.02	5,376	856	431	331	3.8	2,030	1,931	236	0.13	110	-0.00100	-0.001	-0.005
GW 1*	1/10/90	6868.30	6.4	6.54	5,658	774	408	349	2.8	1,903	2,079	239	0.25	111	-0.00100	-0.001	-0.005
GW 1*	4/5/90	6868.20	6.3	6.98	5,732	818	430	350	2.8	2,001	2,118	243	0.13	119	-0.00100	-0.001	-0.005
GW 1*	7/3/90	6867.20	6.4	6.92	6,154	953	501	343	4.5	2,098	2,252	241	-0.05	109	-0.00100	-0.001	-0.005
GW 1*	10/3/90	6867.60	6.3	7.26	5,879	780	425	350	4.0	1,785	2,214	238	-0.05	68.3	-0.00100	-0.001	-0.005
GW 1*	1/16/91	6867.60	6.4	7.12	6,092	909	483	380	3.3	1,573	2,373	247	-0.05	97.5	-0.00100	-0.001	-0.005
GW 1*	4/2/91	6867.70	6.3	7.10	5,780	817	459	344	3.5	1,478	2,476	237	0.05	108	-0.00100	-0.001	-0.005
GW 1*	7/17/91	6866.80	6.5	7.21	6,236	821	478	326	4.8	1,893	2,626	236	-0.05	90.9	-0.00100	-0.001	-0.005
GW 1*	10/15/91	6866.10	6.3	6.90	6,275	900	519	349	3.8	2,020	2,460	247	-0.05	57.6	-0.00100	-0.001	-0.005
GW 1*	1/15/92	6865.90	6.3	7.05	5,446	695	457	360	3.9	1,617	2,445	239	-0.05	78.2	-0.00100	-0.001	-0.005
GW 1*	4/8/92	6865.70	6.2	7.43	4,775	769	481	364	4.4	1,813	2,538	217	0.08	75.8	-0.00100	-0.001	-0.005
GW 1*	7/8/92	6864.80	6.0	7.37	4,964	801	403	454	5.6	1,610	2,493	231	0.13	115	-0.00100	-0.001	-0.005
GW 1*	10/6/92	6863.70	6.3	6.90	6,008	800	504	389	3.2	1,809	2,370	220	-0.05	110	-0.00100	-0.001	-0.005
GW 1*	1/7/93	6863.40	6.4	7.73	5,223	676	421	348	5.3	1,807	2,206	234	0.06	117	-0.00100	-0.001	-0.005
GW 1*	4/7/93	6863.90	6.4	7.22	5,681	681	401	372	5.6	1,579	2,269	199	-0.05	119	-0.00100	-0.001	-0.005
GW 1*	7/14/93	6862.70	6.4	7.23	5,630	807	438	337	4.3	1,610	2,370	211	0.05	118	-0.00100	-0.001	-0.005
GW 1*	10/7/93	6862.20	6.7	7.29	5,196	719	433	310	3.0	1,792	1,952	228	-0.05	124	-0.00100	-0.001	-0.005
GW 1*	1/6/94	6861.80	6.8	7.38	5,051	704	394	335	2.9	1,635	2,075	218	0.11	101	-0.00100		
GW 1*	4/12/94	6861.60	6.7	7.15	5,216	685	409	316	3.9	1,485	2,256	175	0.30	115	-0.00100		
GW 1*	7/21/94	6861.10	6.7	6.97	5,415	828	417	283	5.3	1,519	2,371	185	0.13	118	-0.00100		
GW 1*	10/5/94	6860.70	6.5	7.45	5,567	745	446	323	5.1	1,355	2,250	177	0.23	111	-0.00100		
GW 1*	1/4/95	6860.50	6.5	7.39	5,732	788	441	295	4.7	1,364	2,483	166	0.72	104	-0.00100		
GW 1*	4/5/95	6860.30	6.6	7.03	5,397	698	420	282	3.9	1,443	2,400	186	0.36	110	-0.00100		
GW 1*	7/6/95	6859.90	6.5	7.65	5,180	665	428	285	3.9	1,183	2,255	170	0.10	99.4	-0.00100		
GW 1*	10/3/95	6859.30	6.6	7.53	5,292	640	419	270	3.2	1,218	2,265	137	0.29	105	-0.00100		
GW 1*	1/3/96	6858.90	6.6	6.80	5,086	605	405	274	3.5	1,211	2,079	135	0.07	115	-0.00100		
GW 1*	4/2/96	6858.60	6.6	7.55	5,078	594	388	274	3.7	1,160	2,162	140	0.09	116	-0.00100		
GW 1*	7/7/96	6858.40	6.3	7.08	5,119	605	395	290	3.6	1,169	2,155	160	0.21	109	0.00104		
GW 1*	10/1/96	6858.40	6.5	6.99	5,080	624	422	264	3.9	1,170	2,063	158	0.10	116	-0.00100		
GW 1*	1/22/97	6858.10	6.4	7.36	4,790	625	415	266	4.2	1,130	2,003	148	0.10	107	-0.00100		
GW 1*	4/8/97	6858.30	6.6	7.90	4,830	636	403	241	4.2	1,080	2,047	173	0.24	117	-0.00100		
GW 1*	7/8/97	6857.70	6.9	7.68	4,800	634	379	229	4.4	1,040	2,050	173	0.30	116	-0.00100		
GW 1*	10/7/97	6857.80	6.3	7.35	4,750	619	364	245	4.7	1,070	1,980	145	0.38	114	-0.00100		
GW 1*	1/15/98	6857.50	6.8	7.90	4,650	616	349	251	5.6	1,020	2,100	157	0.71	112	-0.00100		

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TABLE B.1

SOUTHWEST ALLUVIUM DATA SUMMARY
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Well No.	Date	Al (mg/L)	As (mg/L)	Be (mg/L)	Cd (mg/L)	Co (mg/L)	Pb (mg/L)	Mn (mg/L)	Mo (mg/L)	Ni (mg/L)	Se (mg/L)	V (mg/L)	U (mg/L)	Ra-226+ Ra-228 (pCi/L)	Th-230 (pCi/L)	Pb-210 (pCi/L)	Gross Alpha (pCi/L)
	NRC Standard	NA	0.05	0.05	0.01	NA	0.05	NA	NA	0.05	0.01	0.10	0.3	5.0	5.0	1.0	15.0
	EPA Standard	5.0	0.05	0.02	0.01	0.05	0.05	2.60	1.00	0.2	0.01	0.70	5.0	5.0	NA	NA	15.0
EPA 28*	7/20/99	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	0.26	-0.10	-0.05	0.001	-0.10	0.0282	-1.6	-0.2	-1.0	-1.6
EPA 28*	10/12/99	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	0.17	-0.10	-0.05	-0.001	-0.10	0.0300	-1.7	-0.2	-1.0	-1.0
EPA 28*	2/18/00	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	0.31	-0.10	-0.05	0.001	-0.10	0.0256		-0.2	-1.0	3.0
EPA 28*	6/21/00	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	0.50	-0.10	-0.05	-0.001	-0.10	0.0445	2.5	-0.2	14.2	-1.0
EPA 28*	7/17/00	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	0.39	-0.10	-0.05	-0.001	-0.10	0.0375	-2.0	-0.2	-1.0	-1.0
GW 1*	10/16/89	-0.10	-0.001	-0.05	-0.01	-0.01	-0.05	0.08	-0.10	-0.05	0.001	-0.10	0.0979	-1.4	4.0	1.5	3.7
GW 1*	1/10/90	-0.10	0.001	-0.05	-0.01	-0.01	-0.05	0.09	-0.10	-0.05	0.002	-0.10	0.0900	2.1	-0.2	1.3	1.2
GW 1*	4/5/90	-0.10	-0.001	-0.05	-0.01	-0.01	-0.05	0.10	-0.10	-0.05	0.002	-0.10	0.0870	-1.5	-0.2	1.2	0.8
GW 1*	7/3/90	-0.10	-0.001	-0.05	-0.01	0.01	-0.05	0.10	-0.10	-0.05	0.001	-0.10	0.1160	-1.2	-0.2	-1.0	-1.0
GW 1*	10/3/90	-0.10	0.003	-0.05	0.01	0.03	-0.05	0.12	-0.10	-0.05	0.001	-0.10	0.0800	-1.7	-0.2	-1.0	-1.0
GW 1*	1/16/91	0.18	-0.001	-0.01	-0.01	0.02	-0.05	0.12	-0.10	-0.05	0.001	-0.10	0.1110	-1.2	-0.2	-1.0	-1.0
GW 1*	4/2/91	0.19	-0.001	-0.01	0.01	0.02	-0.05	0.13	-0.10	-0.05	0.001	-0.10	0.1300	-1.4	-0.2	-1.0	-1.0
GW 1*	7/17/91	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.15	-0.10	-0.05	0.002	-0.10	0.1040	-1.2	-0.2	2.3	-1.0
GW 1*	10/15/91	0.36	-0.001	-0.01	-0.01	0.01	-0.05	0.12	-0.10	-0.05	-0.001	-0.10	0.1500	4.9	-0.2	-1.0	-1.0
GW 1*	1/15/92	-0.10	-0.001	-0.01	-0.01	0.01	-0.05	0.13	-0.10	-0.05	-0.001	-0.10	0.1050	-1.3	-0.2	-1.0	-1.0
GW 1*	4/8/92	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.12	-0.10	-0.05	-0.001	-0.10	0.0940	-1.3	-0.2	-1.0	-1.0
GW 1*	7/8/92	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.11	-0.10	-0.05	0.001	-0.10	0.0700	2.0	-0.2	2.2	-1.0
GW 1*	10/6/92	0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.13	-0.10	-0.05	0.007	-0.10	0.0490	-1.8	-0.2	1.2	-1.0
GW 1*	1/7/93	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.11	-0.10	-0.05	0.007	-0.10	0.0970	2.9	-0.2	-1.0	-1.0
GW 1*	4/7/93	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.14	-0.10	-0.05	0.002	-0.10	0.1000	-4.5	-0.2	2.2	3.9
GW 1*	7/14/93	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.14	-0.10	-0.05	0.004	-0.10	0.0990	-1.9	-0.2	3.3	-1.0
GW 1*	10/7/93	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.13	-0.10	-0.05	0.005	-0.10	0.0750	4.4	-0.2	-1.0	-1.0
GW 1*	1/6/94	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.11	-0.10	-0.05	-0.001	-0.10	0.0690	6.8	-0.2	-1.0	9.5
GW 1*	4/12/94	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.10	-0.10	-0.05	0.001	-0.10	0.0890	1.9	-0.2	1.9	2.8
GW 1*	7/21/94	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.12	-0.10	-0.05	0.001	-0.10	0.0820	-2.2	-0.2	1.1	1.4
GW 1*	10/5/94	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.09	-0.10	-0.05	0.001	-0.10	0.0820	-1.2	-0.2	3.1	-1.0
GW 1*	1/4/95	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.11	-0.10	-0.05	-0.001	-0.10	0.0690	3.3	-0.2	-1.0	4.6
GW 1*	4/5/95	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.09	-0.10	-0.05	-0.001	-0.10	0.0740	3.9	-0.2	-1.0	4.9
GW 1*	7/6/95	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.01	-0.10	-0.05	0.002	-0.10	0.0623	-1.4	-0.2	-1.0	-1.0
GW 1*	10/3/95	-0.10	0.003	-0.01	-0.01	-0.01	-0.05	0.02	-0.10	-0.05	0.019	-0.10	0.0559	-1.2	-0.2	-1.0	-1.0
GW 1*	1/3/96	-0.10	0.002	-0.01	-0.01	-0.01	-0.05	0.07	-0.10	-0.05	0.027	-0.10	0.0580	-1.2	-0.2	-1.0	-1.0
GW 1*	4/2/96	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	-0.01	-0.10	-0.05	-0.001	-0.10	0.0500	-1.2	-0.2	-1.0	-1.0
GW 1*	7/7/96	-0.10	0.002	-0.01	-0.01	-0.01	-0.05	0.07	-0.10	-0.05	0.006	-0.10	0.0600	-1.3	-0.2	-1.0	-1.0
GW 1*	10/1/96	-0.10	0.001	-0.01	-0.01	-0.01	-0.05	0.07	-0.10	-0.05	0.002	-0.10	0.0510	-0.6	-0.2	-1.0	-1.0
GW 1*	1/22/97	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.04	-0.10	-0.05	-0.001	-0.10	0.0430	-0.6	-0.2	-1.0	-1.0
GW 1*	4/8/97	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.06	-0.10	-0.05	0.015	-0.10	0.0490	-0.6	-0.2	-1.0	-1.0
GW 1*	7/8/97	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.05	-0.10	-0.05	-0.001	-0.10	0.0480	-0.9	-0.2	-1.0	-1.0
GW 1*	10/7/97	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.05	-0.10	-0.05	-0.001	-0.10	0.0540	-1.2	-0.2	-1.0	-1.0
GW 1*	1/15/98	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.07	-0.10	-0.05	-0.001	-0.10	0.0539	-2.0	-0.2	-1.0	-1.0

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TABLE B.1

SOUTHWEST ALLUVIUM DATA SUMMARY
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Well No.	Date	Water Elevation (ft AMSL)	Field pH (SU)	Lab pH (SU)	Lab TDS (mg/L)	Ca (mg/L)	Mg (mg/L)	Na (mg/L)	K (mg/L)	HCO_3 (mg/L)	SO_4 (mg/L)	Cl (mg/L)	NH_4 as N (mg/L)	NO_3 as N (mg/L)	Chloro-form (mg/L)	Naphtha-lene (mg/L)	Cyanide (mg/L)
	NRC Standard	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00100	0.001	0.005
	EPA Standard	NA	NA	NA	4,800	NA	NA	NA	NA	NA	2,125	250	NA	190	NA	NA	NA
GW 1*	4/7/98	6857.50	6.6	7.48	4,440	597	331	220	4.2	872	2,000	121	0.13	97.9	-0.00100		
GW 1*	7/7/98	6857.50	6.8	7.70	4,350	587	317	224	4.8	815	1,800	132	0.37	122	-0.00100		
GW 1*	10/6/98	6857.00	6.7	7.88	4,370	632	331	228	5.7	801	2,020	125	0.06	95.9	-0.00100		
GW 1*	1/5/99	6856.90	6.7	7.75	4,450	597	304	197	5.4	853	1,830	124	0.29	91.5	-0.00100		
GW 1*	4/6/99	6856.80	6.7	7.65	4,300	610	264	209	5.1	738	1,820	115	0.43	91.8	-0.00100		
GW 1*	7/13/99	6857.06	6.7	7.80	4,190	611	304	183	9.7	770	1,900	125	0.47	82.4	-0.00100		
GW 1*	10/5/99	6857.60	6.8	7.53	4,230	562	270	205	5.1	788	1,670	120	0.10	91.0	-0.00100		
GW 1*	2/18/00	6857.00	6.7	7.72	4,160	589	278	176	6.0	742	1,790	114	0.28	94.2	-0.00100		
GW 1*	6/21/00	6856.30	6.6	7.69	4,410	585	309	226	5.1	919	1,870	122	0.84	87.0	-0.00100		
GW 1*	7/17/00	6856.20	6.6	7.58	4,370	609	312	210	4.9	915	1,720	125	0.77	77.5	-0.00100		
GW 2*	10/16/89	6870.10	7.0	7.05	5,564	789	479	266	11.7	1,818	2,314	181	0.10	76.0	-0.00100	-0.001	-0.005
GW 2*	1/10/90	6869.70	6.7	7.02	5,470	752	421	264	8.8	1,451	2,329	184	0.08	84.0	-0.00100	-0.001	-0.005
GW 2*	4/5/90	6869.40	6.5	7.06	5,277	862	391	256	8.1	1,730	2,226	183	0.11	113	-0.00100	-0.001	-0.005
GW 2*	7/3/90	6868.90	6.3	6.91	5,179	801	667	286	9.9	2,001	2,161	195	-0.05	52.2	-0.00100	-0.001	-0.005
GW 2*	10/3/90	6868.70	6.5	7.25	5,801	888	522	289	9.4	1,602	2,395	193	-0.05	61.9	-0.00100	-0.001	-0.005
GW 2*	1/16/91	6868.90	6.6	7.11	5,775	926	458	297	8.3	1,552	2,444	202	0.05	88.2	-0.00100	-0.001	-0.005
GW 2*	4/2/91	6868.80	6.5	6.90	5,621	812	432	280	8.1	1,465	2,560	206	-0.05	102	-0.00100	-0.001	-0.005
GW 2*	7/17/91	6867.50	6.5	7.30	5,820	790	430	258	8.5	1,769	2,638	199	0.05	131	-0.00100	-0.001	-0.005
GW 2*	10/15/91	6866.80	6.2	6.89	6,209	737	579	287	9.0	2,011	2,868	197	-0.05	28.8	-0.00100	-0.001	-0.005
GW 2*	1/15/92	6866.90	6.2	7.11	5,127	765	428	259	7.9	1,278	2,285	187	-0.05	51.6	-0.00100	-0.001	-0.005
GW 2*	4/8/92	6867.00	6.2	7.53	5,275	725	531	286	10.3	1,687	2,613	177	-0.05	22.9	-0.00100	-0.001	-0.005
GW 2*	7/8/92	6865.20	6.1	7.24	6,313	802	581	402	12.8	1,931	3,194	171	0.07	54.0	-0.00100	-0.001	-0.005
GW 2*	10/6/92	6864.10	6.4	7.26	5,590	901	422	316	8.8	1,563	2,256	166	-0.05	100	-0.00100	-0.001	-0.005
GW 2*	1/7/93	6864.20	6.4	7.62	5,795	730	521	296	10.1	1,763	2,584	177	-0.05	64.0	-0.00100	-0.001	-0.005
GW 2*	4/7/93	6864.70	6.5	7.24	5,140	670	430	314	6.9	1,529	2,250	173	-0.05	79.8	-0.00100	-0.001	-0.005
GW 2*	7/14/93	6863.00	6.7	7.18	5,500	776	437	308	7.7	1,612	2,501	178	0.05	79.8	-0.00100	-0.001	-0.005
GW 2*	10/7/93	6862.60	6.8	7.44	4,812	693	371	268	6.9	1,386	2,107	159	0.05	111	-0.00100	-0.001	-0.005
GW 2*	1/6/94	6861.60	6.8	7.14	5,185	673	461	277	7.4	1,556	2,444	170	0.16	68.1	-0.00100		
GW 2*	4/12/94	6862.30	6.7	7.03	5,006	748	355	250	7.0	1,536	2,238	165	0.24	80.5	-0.00100		
GW 2*	7/21/94	6861.60	6.7	7.35	5,402	774	470	247	8.6	1,614	2,859	170	0.06	52.0	-0.00100		
GW 2*	10/5/94	6861.20	6.4	7.51	5,969	727	590	288	10.0	1,707	2,683	177	-0.05	29.9	-0.00100		
GW 2*	1/4/95	6861.20	6.4	7.16	6,044	748	561	270	10.9	1,703	2,866	174	0.27	25.3	-0.00100		
GW 2*	4/5/95	6861.70	6.5	6.91	6,020	660	635	285	10.4	1,745	2,955	170	0.19	23.1	-0.00100		
GW 2*	7/6/95	6862.40	6.5	7.49	5,305	760	475	265	8.6	1,409	2,404	194	0.27	48.1	-0.00100		
GW 2*	10/3/95	6862.60	6.3	7.45	5,826	655	600	268	9.5	1,791	2,841	178	0.20	17.7	-0.00100		
GW 2*	1/3/96	6859.60	6.4	6.91	5,302	595	575	280	9.7	1,802	2,409	133	-0.05	16.7	-0.00100		
GW 2*	4/2/96	6859.40	6.5	7.64	6,059	622	550	282	10.0	1,732	2,936	167	-0.05	24.1	-0.00100		
GW 2*	7/7/96	6859.10	6.3	7.19	6,246	600	595	286	10.4	1,643	2,870	155	0.10	20.5	-0.00100		
GW 2*	10/1/96	6859.30	6.4	6.99	6,280	628	673	289	10.3	1,670	2,955	166	-0.05	12.9	-0.00100		

Refer to page 1 for explanatory notes

TABLE B.1

SOUTHWEST ALLUVIUM DATA SUMMARY
1989 - 2000

Well No.	Date	Al (mg/L)	As (mg/L)	Be (mg/L)	Cd (mg/L)	Co (mg/L)	Pb (mg/L)	Mn (mg/L)	Mo (mg/L)	Ni (mg/L)	Se (mg/L)	V (mg/L)	U (mg/L)	Ra-226+ Ra-228 (pCi/L)	Th-230 (pCi/L)	Pb-210 (pCi/L)	Gross Alpha (pCi/L)
	NRC Standard	NA	0.05	0.05	0.01	NA	0.05	NA	NA	0.05	0.01	0.10	0.3	5.0	5.0	1.0	15.0
	EPA Standard	5.0	0.05	0.02	0.01	0.05	0.05	2.60	1.00	0.2	0.01	0.70	5.0	5.0	NA	NA	15.0
GW 1*	4/7/98	-0.10	0.002	-0.01	-0.005	-0.01	-0.05	0.03	-0.10	-0.05	-0.001	-0.10	0.0460	-1.2	-0.2	-1.0	-1.0
GW 1*	7/7/98	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	0.03	-0.10	-0.05	-0.001	-0.10	0.0464	-1.2	-0.2	-1.0	-1.0
GW 1*	10/6/98	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	0.03	-0.10	-0.05	-0.001	-0.10	0.0500	-1.2	-0.2	-1.0	1.2
GW 1*	1/5/99	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	0.03	-0.10	-0.05	-0.001	-0.10	0.0509	-2.2	-0.2	-1.0	-1.0
GW 1*	4/6/99	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	0.02	-0.10	-0.05	-0.001	-0.10	0.0461	-1.2	-0.2	-1.0	-1.0
GW 1*	7/13/99	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	0.02	-0.10	-0.05	0.001	-0.10	0.0460	-1.2	-0.2	-1.0	-1.0
GW 1*	10/5/99	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	0.02	-0.10	-0.05	-0.001	-0.10	0.0507	-1.4	-0.2	-1.0	-1.0
GW 1*	2/18/00	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	0.03	-0.10	-0.05	0.001	-0.10	0.0510	-1.2	-0.2	-1.0	-1.0
GW 1*	6/21/00	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	0.04	-0.10	-0.05	-0.001	-0.10	0.0610	-1.2	-0.2	-1.0	-1.0
GW 1*	7/17/00	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	0.04	-0.10	-0.05	-0.001	-0.10	0.0572	-1.2	-0.2	-1.0	-1.0
GW 2*	10/16/89	-0.10	-0.001	-0.05	-0.01	-0.01	-0.05	0.31	-0.10	-0.05	0.001	-0.10	0.1960	3.8	11.0	1.5	15.0
GW 2*	1/10/90	-0.10	-0.001	-0.05	-0.01	-0.01	-0.05	0.19	-0.10	-0.05	-0.001	-0.10	0.1830	-0.3	1.0	-1.0	2.3
GW 2*	4/5/90	-0.10	-0.001	-0.05	-0.01	-0.01	-0.05	0.41	-0.10	-0.05	0.001	-0.10	0.2050	-0.6	-0.2	1.3	0.8
GW 2*	7/3/90	-0.10	-0.001	-0.05	-0.01	0.01	-0.05	0.48	-0.10	-0.05	-0.001	-0.10	0.1460	-0.5	-0.2	-1.0	-1.0
GW 2*	10/3/90	-0.10	-0.001	-0.05	-0.01	0.02	-0.05	0.55	-0.10	-0.05	-0.001	-0.10	0.2215	-0.3	-0.2	-1.0	-1.0
GW 2*	1/16/91	-0.10	-0.001	-0.01	0.01	-0.01	-0.05	0.39	-0.10	-0.05	0.002	-0.10	0.2404	-0.3	-0.2	-1.0	-1.0
GW 2*	4/2/91	-0.10	-0.001	-0.01	0.02	0.01	-0.05	0.51	-0.10	-0.05	0.001	-0.10	0.1370	-1.9	-0.2	-1.0	-1.0
GW 2*	7/17/91	-0.10	-0.001	-0.01	0.03	-0.01	-0.05	0.50	-0.10	-0.05	0.001	-0.10	0.1520	-1.2	-0.2	-1.0	-1.0
GW 2*	10/15/91	0.27	-0.001	-0.01	-0.01	-0.01	-0.05	0.55	-0.10	-0.05	-0.001	-0.10	0.1970	-3.3	-0.2	-1.0	-1.0
GW 2*	1/15/92	-0.10	-0.001	-0.01	-0.01	0.03	-0.05	0.48	-0.10	-0.05	-0.001	-0.10	0.1530	-1.5	-0.2	2.2	-1.0
GW 2*	4/8/92	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.46	-0.10	-0.05	0.006	-0.10	0.1650	-1.2	-0.2	2.4	-1.0
GW 2*	7/8/92	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.40	-0.10	-0.05	0.001	-0.10	0.1300	-1.2	-0.2	-1.0	-1.0
GW 2*	10/6/92	-0.10	-0.001	-0.01	-0.01	-0.01	0.06	0.15	-0.10	-0.05	0.002	-0.10	0.2420	2.1	-0.2	-1.0	-1.0
GW 2*	1/7/93	-0.10	-0.001	-0.01	-0.01	0.02	-0.05	0.25	-0.10	-0.05	0.005	-0.10	0.1810	8.7	-0.2	-1.0	-1.0
GW 2*	4/7/93	-0.10	0.001	-0.01	-0.01	-0.01	-0.05	0.12	-0.10	-0.05	0.001	-0.10	0.2000	4.8	-0.2	-1.0	-1.0
GW 2*	7/14/93	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.22	-0.10	-0.05	0.001	-0.10	0.0840	-3.3	-0.2	-1.0	-1.0
GW 2*	10/7/93	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.06	-0.10	-0.05	0.001	-0.10	0.1180	2.8	-0.2	-1.0	-1.0
GW 2*	1/6/94	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.11	-0.10	-0.05	-0.001	-0.10	0.1160	5.1	-0.2	1.8	8.5
GW 2*	4/12/94	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.29	-0.10	-0.05	-0.001	-0.10	0.2010	-2.2	-0.2	3.2	1.4
GW 2*	7/21/94	-0.10	0.001	-0.01	-0.01	-0.01	-0.05	0.13	-0.10	-0.05	0.002	-0.10	0.1170	-8.3	-0.2	-1.0	12.5
GW 2*	10/5/94	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.32	-0.10	-0.05	-0.001	-0.10	0.0940	-1.4	-0.2	1.4	-1.0
GW 2*	1/4/95	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.35	-0.10	-0.05	-0.001	-0.10	0.0870	4.3	-0.2	-1.0	5.7
GW 2*	4/5/95	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.42	-0.10	-0.05	-0.001	-0.10	0.0710	1.5	-0.2	4.4	2.2
GW 2*	7/6/95	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.14	-0.10	-0.05	0.002	-0.10	0.1959	-2.7	-0.2	-1.0	2.8
GW 2*	10/3/95	-0.10	0.002	-0.01	-0.01	-0.01	-0.05	0.39	-0.10	-0.05	-0.001	-0.10	0.0751	-1.2	-0.2	1.8	-1.0
GW 2*	1/3/96	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.39	-0.10	-0.05	-0.001	-0.10	0.0710	-1.2	-0.2	2.4	-1.0
GW 2*	4/2/96	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.44	-0.10	-0.05	-0.001	-0.10	0.1180	-1.2	-0.2	-1.0	-1.0
GW 2*	7/7/96	-0.10	0.003	-0.01	-0.01	-0.01	-0.05	0.49	-0.10	-0.05	0.001	-0.10	0.0990	-1.2	-0.2	1.0	-1.0
GW 2*	10/1/96	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.43	-0.10	-0.05	0.002	-0.10	0.0700	-0.6	1.0	-1.0	-1.0

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TABLE B.1

SOUTHWEST ALLUVIUM DATA SUMMARY
1989 - 2000

Well No.	Date	Water Elevation (ft AMSL)	Field pH (SU)	Lab pH (SU)	Lab TDS (mg/L)	Ca (mg/L)	Mg (mg/L)	Na (mg/L)	K (mg/L)	HCO_3 (mg/L)	SO_4 (mg/L)	Cl (mg/L)	NH_4 as N (mg/L)	NO_3 as N (mg/L)	Chloro-form (mg/L)	Naphtha-lene (mg/L)	Cyanide (mg/L)
	NRC Standard	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00100	0.001	0.005
	EPA Standard	NA	NA	NA	4,800	NA	NA	NA	NA	NA	2,125	250	NA	190	NA	NA	NA
GW 2*	1/22/97	6858.90	6.3	7.43	6,100	600	620	275	10.2	1,690	2,945	177	-0.05	10.2	-0.00100		
GW 2*	4/8/97	6858.70	6.6	7.77	5,910	667	572	259	9.7	1,630	2,851	193	-0.05	19.8	-0.00100		
GW 2*	7/8/97	6858.60	6.8	7.33	6,090	666	631	255	9.9	1,640	2,720	182	-0.05	10.7	-0.00100		
GW 2*	10/7/97	6858.90	6.2	7.21	6,090	618	610	266	9.7	1,630	3,050	170	-0.05	10.7	-0.00100		
GW 2*	1/16/98	6858.50	6.5	7.52	5,990	653	582	271	9.9	1,640	3,000	188	0.13	16.0	-0.00100		
GW 2*	4/7/98	6858.40	6.4	7.80	5,880	638	596	248	9.9	1,500	2,700	174	-0.05	9.0	-0.00100		
GW 2*	7/7/98	6858.60	6.1	7.80	5,880	638	596	248	9.9	1,500	2,700	174	-0.05	9.0	-0.00100		
GW 2*	10/6/98	6860.30	6.5	7.59	5,800	651	602	253	10.7	1,500	2,770	165	0.16	8.7	-0.00100		
GW 2*	1/5/99	6858.20	6.7	7.88	5,780	588	552	217	9.8	1,460	2,900	168	0.07	7.0	-0.00100		
GW 2*	4/6/99	6858.20	6.4	7.57	5,710	580	582	221	9.6	1,410	2,500	162	0.07	6.1	-0.00100		
GW 2*	7/13/99	6857.98	6.6	7.90	5,530	594	562	223	14.5	1,350	2,660	166	0.06	6.0	-0.00100		
GW 2*	10/5/99	6859.30	6.5	7.39	5,510	537	512	229	10.1	1,420	2,380	164	0.24	5.5	-0.00100		
GW 2*	2/18/00	6858.70	6.6	7.76	5,440	587	549	185	11.0	1,430	2,610	143	-0.05	4.1	-0.00100		
GW 2*	6/21/00	6858.40	6.4	7.64	5,410	540	528	234	9.5	1,410	2,590	155	-0.05	2.7	-0.00100		
GW 2*	7/17/00	6858.10	6.4	7.65	5,440	571	536	213	9.6	1,400	2,400	158	-0.05	3.0	-0.00100		
GW 3	10/16/89	6870.40	6.8	7.51	4,658	802	256	210	7.0	1,214	1,704	150	0.11	141	-0.00100	-0.001	-0.005
GW 3	1/4/90	6870.20	6.4	6.74	4,784	890	259	217	5.1	1,452	1,847	177	0.13	146	-0.00100	-0.001	-0.005
GW 3	4/3/90	6869.60	6.8	7.18	4,859	888	280	218	5.1	1,362	1,775	170	0.11	111	-0.00100	-0.001	-0.005
GW 3	7/2/90	6869.20	6.4	7.00	4,794	954	276	195	6.9	1,418	1,841	164	-0.05	147	-0.00100	-0.001	-0.005
GW 3	10/2/90	6869.10	6.6	7.18	4,699	770	245	211	5.1	1,222	1,911	169	-0.05	102	-0.00100	-0.001	-0.005
GW 3	1/16/91	6869.10	6.5	7.12	4,805	928	290	229	8.8	1,057	2,004	189	-0.05	148	-0.00100	-0.001	-0.005
GW 3	4/2/91	6869.00	6.5	7.15	4,935	897	272	221	4.7	1,043	1,990	185	-0.05	162	-0.00100	-0.001	-0.005
GW 3	7/16/91	6867.80	6.6	7.09	4,829	828	255	212	5.4	1,526	2,011	103	0.17	37.5	-0.00100	-0.001	-0.005
GW 3	10/14/91	6866.90	6.4	6.84	5,094	739	226	227	4.7	1,330	1,856	197	-0.05	87.2	-0.00100	-0.001	-0.005
GW 3	1/14/92	6867.20	6.4	7.01	4,589	794	262	212	5.8	1,345	1,762	172	-0.05	90.1	-0.00100	-0.001	-0.005
GW 3	4/9/92	6867.20	6.5	7.32	4,757	836	267	261	7.4	1,114	1,874	179	0.14	86.8	-0.00100	-0.001	-0.005
GW 3	7/7/92	6865.40	6.3	7.42	4,877	785	295	274	7.6	964	1,907	111	0.08	112	-0.00100	-0.001	-0.005
GW 3	10/7/92	6864.20	6.5	7.32	4,766	849	273	288	9.3	1,537	1,932	182	-0.05	120	-0.00100	-0.001	-0.005
GW 3	1/7/93	6864.30	6.4	7.48	5,105	903	260	244	6.0	1,610	1,968	188	-0.05	134	-0.00100	-0.001	-0.005
GW 3	4/7/93	6864.90	6.4	7.07	4,791	851	248	277	4.7	1,419	1,879	183	-0.05	112	-0.00100	-0.001	-0.005
GW 3	7/14/93	6863.40	6.4	7.09	4,780	989	270	293	5.7	1,745	1,913	201	-0.05	94.7	-0.00100	-0.001	-0.005
GW 3	10/7/93	6862.70	6.6	7.22	4,614	889	252	238	6.1	1,540	1,813	71.8	0.05	119	-0.00100	-0.001	-0.005
GW 3	1/6/94	6862.70	6.5	7.04	4,960	889	251	261	5.6	1,573	1,836	177	0.11	107	-0.00100		
GW 3	4/13/94	6863.00	6.6	6.86	4,709	866	244	234	5.7	1,525	1,825	167	0.39	113	-0.00100		
GW 3	7/21/94	6861.80	6.5	7.16	4,790	953	256	250	6.2	1,512	1,943	160	0.13	105	-0.00100		
GW 3	10/5/94	6861.50	6.3	7.59	4,949	942	250	271	6.7	1,481	1,938	165	0.25	117	-0.00100		
GW 3	1/5/95	6861.50	6.4	7.34	5,101	990	263	256	7.4	1,532	1,938	152	0.32	95.4	-0.00100		
GW 3	4/5/95	6862.30	6.5	7.07	4,978	920	240	224	5.2	1,519	2,090	210	0.41	104	-0.00100		
GW 3	7/6/95	6860.80	6.4	7.50	4,792	914	281	252	6.3	1,519	1,858	171	0.27	96.4	-0.00100		

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TABLE B.1

SOUTHWEST ALLUVIUM DATA SUMMARY
1989 - 2000

Well No.	Date	Al (mg/L)	As (mg/L)	Be (mg/L)	Cd (mg/L)	Co (mg/L)	Pb (mg/L)	Mn (mg/L)	Mo (mg/L)	Ni (mg/L)	Se (mg/L)	V (mg/L)	U (mg/L)	Ra-226+ Ra-228 (pCi/L)	Th-230 (pCi/L)	Pb-210 (pCi/L)	Gross Alpha (pCi/L)
	NRC Standard	NA	0.05	0.05	0.01	NA	0.05	NA	NA	0.05	0.01	0.10	0.3	5.0	5.0	1.0	15.0
	EPA Standard	5.0	0.05	0.02	0.01	0.05	0.05	2.60	1.00	0.2	0.01	0.70	5.0	5.0	NA	NA	15.0
GW 2*	1/22/97	-0.10	0.001	-0.01	-0.01	-0.01	-0.05	0.35	-0.10	-0.05	-0.001	-0.10	0.0540	-0.6	-0.2	-1.0	-1.0
GW 2*	4/8/97	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.41	-0.10	-0.05	-0.001	-0.10	0.1310	-0.6	-0.2	-1.0	-1.0
GW 2*	7/8/97	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.29	-0.10	-0.05	-0.001	-0.10	0.0610	-1.1	-0.2	-1.0	-1.0
GW 2*	10/7/97	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.38	-0.10	-0.05	-0.001	-0.10	0.0620	-1.2	-0.2	-1.0	-1.0
GW 2*	1/16/98	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.38	-0.10	-0.05	-0.001	-0.10	0.0953	-1.2	-0.2	-1.0	-1.0
GW 2*	4/7/98	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	0.30	-0.10	-0.05	-0.001	-0.10	0.0656	-1.7	-0.2	-1.0	-1.0
GW 2*	7/7/98	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	0.30	-0.10	-0.05	-0.001	-0.10	0.0656	-1.7	-0.2	-1.0	-1.0
GW 2*	10/6/98	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	0.33	-0.10	-0.05	-0.001	-0.10	0.0732	-1.6	-0.2	-1.0	-1.0
GW 2*	1/5/99	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	0.35	-0.10	-0.05	-0.001	-0.10	0.0662	-3.3	-0.2	-1.0	-1.0
GW 2*	4/6/99	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	0.34	-0.10	-0.05	-0.001	-0.10	0.0594	-1.2	-0.2	-1.0	-1.0
GW 2*	7/13/99	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	0.40	-0.10	-0.05	-0.001	-0.10	0.0057	-1.2	-0.2	-1.0	2.3
GW 2*	10/5/99	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	0.49	-0.10	-0.05	-0.001	-0.10	0.0705	-1.3	-0.2	-1.0	-1.0
GW 2*	2/18/00	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	0.44	-0.10	-0.05	0.001	-0.10	0.0681	-1.2	-0.2	-1.0	-1.0
GW 2*	6/21/00	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	0.46	-0.10	-0.05	-0.001	-0.10	0.0685	-1.2	-0.2	5.9	-1.0
GW 2*	7/17/00	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	0.44	-0.10	-0.05	-0.001	-0.10	0.0602	-1.2	-0.2	-1.0	-1.0
GW 3	10/16/89	-0.10	-0.001	-0.05	-0.01	-0.01	-0.05	1.50	-0.10	-0.05	0.005	-0.10	0.1320	-1.5	3.3	-1.0	4.1
GW 3	1/4/90	-0.10	-0.001	-0.05	-0.01	-0.01	-0.05	1.50	-0.10	-0.05	0.002	-0.10	0.1320	-1.9	-0.2	-1.0	1.2
GW 3	4/3/90	-0.10	-0.001	-0.05	-0.01	-0.01	-0.05	1.20	-0.10	-0.05	0.001	-0.10	0.1030	-2.0	-0.2	-1.0	1.5
GW 3	7/2/90	-0.10	-0.001	-0.05	-0.01	0.01	-0.05	1.29	-0.10	-0.05	-0.001	-0.10	0.1360	1.4	-0.2	-1.0	-1.0
GW 3	10/2/90	-0.10	-0.001	-0.05	0.01	0.01	-0.05	1.50	-0.10	-0.05	-0.001	-0.10	0.0940	-1.2	-0.2	-1.0	-1.0
GW 3	1/16/91	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	1.45	-0.10	-0.05	-0.001	-0.10	0.1387	-1.2	-0.2	-1.0	-1.0
GW 3	4/2/91	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	1.43	-0.10	-0.05	0.002	-0.10	0.0700	-1.3	-0.2	5.6	-1.0
GW 3	7/16/91	-0.10	-0.001	-0.01	-0.01	0.01	-0.05	1.40	-0.10	-0.05	-0.001	-0.10	0.1280	-1.3	-0.2	12.8	-1.0
GW 3	10/14/91	-0.10	-0.001	-0.01	-0.01	0.02	-0.05	1.11	-0.10	-0.05	0.001	-0.10	0.1400	-1.2	-0.2	-1.0	-1.0
GW 3	1/14/92	0.16	-0.001	-0.01	-0.01	0.02	-0.05	1.61	-0.10	0.11	0.001	-0.10	0.0800	-1.2	-0.2	13.6	-1.0
GW 3	4/9/92	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	1.21	-0.10	-0.05	0.024	-0.10	0.1550	4.2	-0.2	-1.0	-1.0
GW 3	7/7/92	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	1.25	-0.10	-0.05	0.002	-0.10	0.1200	-2.9	-0.2	-1.0	-1.0
GW 3	10/7/92	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.92	-0.10	-0.05	0.002	-0.10	0.3310	-1.8	-0.2	-1.0	3.3
GW 3	1/7/93	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	1.71	-0.10	-0.05	0.005	-0.10	0.6020	3.7	-0.2	-1.0	-1.0
GW 3	4/7/93	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	1.64	-0.10	-0.05	0.001	-0.10	0.2190	-1.6	-0.2	2.2	-1.0
GW 3	7/14/93	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	1.81	-0.10	-0.05	0.001	-0.10	0.1350	4.6	-0.2	-1.0	1.8
GW 3	10/7/93	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	1.79	-0.10	-0.05	0.002	-0.10	0.0800	-1.6	-0.2	-1.0	-1.0
GW 3	1/6/94	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	1.92	-0.10	-0.05	-0.001	-0.10	0.0990	-1.8	-0.2	-1.0	-1.0
GW 3	4/13/94	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	1.89	-0.10	-0.05	-0.001	-0.10	0.0960	-2.7	-0.2	5.9	1.9
GW 3	7/21/94	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	2.26	-0.10	-0.05	-0.001	-0.10	0.0820	-1.4	-0.2	-1.0	-1.0
GW 3	10/5/94	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	1.87	-0.10	-0.05	-0.001	-0.10	0.0830	-1.3	-0.2	1.7	1.5
GW 3	1/5/95	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	1.97	-0.10	-0.05	-0.001	-0.10	0.0780	3.4	-0.2	-1.0	4.8
GW 3	4/5/95	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	1.91	-0.10	-0.05	-0.001	-0.10	0.0800	-1.5	-0.2	-1.0	-1.0
GW 3	7/6/95	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	1.92	-0.10	-0.05	0.002	-0.10	0.0882	-1.2	-0.2	-1.0	-1.0

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TABLE B.1

SOUTHWEST ALLUVIUM DATA SUMMARY
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Well No.	Date	Water Elevation (ft AMSL)	Field pH (SU)	Lab pH (SU)	Lab TDS (mg/L)	Ca (mg/L)	Mg (mg/L)	Na (mg/L)	K (mg/L)	HCO_3 (mg/L)	SO_4 (mg/L)	Cl (mg/L)	NH_4 as N (mg/L)	NO_3 as N (mg/L)	Chloro-form (mg/L)	Naphtha-lene (mg/L)	Cyanide (mg/L)
	NRC Standard	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00100	0.001	0.005
	EPA Standard	NA	NA	NA	4,800	NA	NA	NA	NA	NA	2,125	250	NA	190	NA	NA	NA
GW 3	10/3/95	6860.20	6.5	7.41	5,055	905	267	232	5.8	1,512	1,905	174	0.41	99.1	-0.00100		
GW 3	1/3/96	6859.80	6.5	6.96	4,495	805	240	235	6.1	1,521	1,650	138	-0.05	106	-0.00100		
GW 3	4/2/96	6859.80	6.4	7.64	5,010	875	275	260	7.0	1,510	1,915	155	-0.05	111	-0.00100		
GW 3	7/7/96	6859.70	6.3	7.13	4,844	865	260	245	7.4	1,434	1,860	150	0.14	102	-0.00100		
GW 3	10/1/96	6859.70	6.4	6.99	4,970	909	277	239	6.7	1,480	1,884	141	0.05	115	-0.00100		
GW 3	1/22/97	6859.40	6.4	7.51	4,770	885	275	228	7.3	1,480	1,937	166	0.11	114	-0.00100		
GW 3	4/8/97	6859.30	6.5	7.59	4,990	892	277	227	6.6	1,430	1,994	171	0.06	117	-0.00100		
GW 3	7/8/97	6859.20	6.8	7.53	5,060	933	282	223	7.4	1,390	1,810	158	0.11	121	-0.00100		
GW 3	10/7/97	6859.40	6.2	7.44	5,010	879	267	231	6.9	1,370	1,870	155	-0.05	114	-0.00100		
GW 3	1/16/98	6859.20	6.7	7.72	4,980	858	265	246	8.1	1,330	2,000	154	0.28	128	-0.00100		
GW 3	4/7/98	6859.10	6.6	7.51	4,980	895	273	234	6.7	1,300	1,800	128	0.06	130	-0.00100		
GW 3	7/7/98	6859.00	6.8	7.74	4,930	883	276	244	7.8	1,200	2,100	139	0.10	117	-0.00100		
GW 3	10/6/98	6858.60	6.7	7.75	4,850	871	268	236	7.0	1,220	1,980	134	0.11	220	-0.00100		
GW 3	1/5/99	6858.50	6.8	7.85	3,810	671	193	163	8.9	987	1,400	95.2	0.21	85.9	-0.00100		
GW 3	4/6/99	6858.50	6.7	7.64	4,600	811	218	202	8.4	1,170	1,710	131	0.11	103	-0.00100		
GW 3	7/13/99	6858.34	6.7	7.90	4,610	824	259	205	12.3	1,170	1,830	126	0.09	119	-0.00100		
GW 3	10/5/99	6859.30	6.7	7.34	4,660	702	219	217	7.5	1,170	1,680	123	14.80	99	-0.00100		
GW 3	2/22/00	6858.60	6.6	7.83	4,680	760	239	169	9.2	1,170	1,760	106	-0.05	113	0.00200		
GW 3	6/20/00	6858.00	6.6	7.71	4,780	755	241	211	8.0	1,174	1,830	127	0.15	119	-0.00100		
GW 3	7/17/00	6857.80	6.5	7.51	4,800	809	258	207	9.1	1,190	1,710	125	-0.05	117	-0.00100		
GW 4	10/12/89	6915.00	7.2	7.48	4,078	680	202	202	18.0	793	1,822	50.2	0.21	134	-0.00100	-0.001	-0.005
GW 4	1/4/90	6914.60	7.2	7.28	4,036	728	222	198	14.1	775	1,780	51.7	0.11	134	-0.00100	-0.001	-0.005
GW 4	4/3/90	6913.60	7.1	7.40	4,193	740	212	194	14.0	789	1,707	52.4	0.09	120	-0.00100	-0.001	-0.005
GW 4	7/2/90	6912.70	6.8	7.30	4,326	830	214	167	13.8	866	1,651	54.7	-0.05	176	-0.00100	-0.001	-0.005
GW 4	10/3/90	6912.40	6.9	7.31	4,135	699	198	198	14.4	732	1,610	56.2	-0.05	116	-0.00100	-0.001	-0.005
GW 4	1/15/91	6912.40	7.0	7.29	4,064	759	213	189	13.3	731	1,678	54.6	-0.05	176	-0.00100	-0.001	-0.005
GW 4	4/2/91	6912.70	7.1	7.59	3,990	641	183	180	12.4	550	1,660	46.3	-0.05	162	-0.00100	-0.001	-0.005
GW 4	7/17/91	6914.40	7.1	7.55	3,981	578	190	164	12.9	527	1,703	41.2	0.08	132	-0.00100	-0.001	-0.005
GW 4	10/15/91	6913.80	7.0	7.26	3,880	698	214	165	13.4	732	1,826	43.8	-0.05	67.6	-0.00100	-0.001	-0.005
GW 4	1/15/92	6913.10	7.0	7.03	3,779	619	189	163	11.8	623	1,803	38.7	-0.05	77.4	-0.00100	-0.001	-0.005
GW 4	4/7/92	6912.20	7.0	7.19	3,334	579	177	185	14.1	602	1,621	38.7	0.06	78.2	-0.00100	-0.001	-0.005
GW 4	7/8/92	6911.50	7.0	7.59	3,505	661	190	233	14.7	636	1,663	40.7	0.20	108	-0.00100	-0.001	-0.005
GW 4	10/6/92	6910.90	7.1	7.35	3,857	762	204	187	13.2	585	1,727	42.0	-0.05	162	-0.00100	-0.001	-0.005
GW 4	1/6/93	6910.40	7.1	7.72	3,595	667	175	180	12.6	714	1,454	49.1	0.13	138	-0.00100	-0.001	-0.005
GW 4	4/6/93	6910.30	7.2	7.63	3,898	665	177	192	10.6	736	1,694	51.2	-0.05	137	-0.00100	-0.001	-0.005
GW 4	7/13/93	6910.50	7.1	7.13	4,181	727	195	168	12.6	755	1,820	47.0	0.10	125	-0.00100	-0.001	-0.005
GW 4	10/6/93	6910.60	7.3	7.45	4,081	694	177	170	11.3	780	1,700	42.1	-0.05	124	-0.00100	-0.001	-0.005
GW 4	1/6/94	6911.60	7.2	7.71	3,798	656	169	171	10.7	798	1,689	40.2	0.17	82.4	-0.00100		
GW 4	4/13/94	6911.70	7.1	7.20	3,682	658	170	157	11.1	752	1,688	39.1	0.30	109	-0.00100		

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TABLE B.1

SOUTHWEST ALLUVIUM DATA SUMMARY
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Well No.	Date	Al (mg/L)	As (mg/L)	Be (mg/L)	Cd (mg/L)	Co (mg/L)	Pb (mg/L)	Mn (mg/L)	Mo (mg/L)	Ni (mg/L)	Se (mg/L)	V (mg/L)	U (mg/L)	Ra-226+ Ra-228 (pCi/L)	Th-230 (pCi/L)	Pb-210 (pCi/L)	Gross Alpha (pCi/L)
	NRC Standard	NA	0.05	0.05	0.01	NA	0.05	NA	NA	0.05	0.01	0.10	0.3	5.0	5.0	1.0	15.0
	EPA Standard	5.0	0.05	0.02	0.01	0.05	0.05	2.60	1.00	0.2	0.01	0.70	5.0	5.0	NA	NA	15.0
GW 3	10/3/95	-0.10	0.003	-0.01	-0.01	-0.01	-0.05	1.93	-0.10	-0.05	0.012	-0.10	0.0868	-1.3	-0.2	-1.0	-1.0
GW 3	1/3/96	-0.10	0.002	-0.01	-0.01	-0.01	-0.05	1.74	-0.10	-0.05	0.014	-0.10	0.0810	-1.4	0.4	-1.0	-1.0
GW 3	4/2/96	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	1.82	-0.10	-0.05	-0.001	-0.10	0.0870	-1.2	-0.2	-1.0	-1.0
GW 3	7/7/96	-0.10	0.01	-0.01	-0.01	-0.01	-0.05	1.99	-0.10	-0.05	-0.001	-0.10	0.1000	-1.3	1.2	-1.0	-1.0
GW 3	10/1/96	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	1.92	-0.10	-0.05	0.001	-0.10	0.0720	-0.6	0.4	-1.0	-1.0
GW 3	1/22/97	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	1.92	-0.10	-0.05	-0.001	-0.10	0.0720	-1.1	-0.2	-1.0	-1.0
GW 3	4/8/97	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	1.93	-0.10	-0.05	0.020	-0.10	0.0860	-0.6	-0.2	-1.0	-1.0
GW 3	7/8/97	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	1.70	-0.10	-0.05	-0.001	-0.10	0.0610	-0.9	-0.2	-1.0	-1.0
GW 3	10/7/97	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	2.19	-0.10	-0.05	-0.001	-0.10	0.0650	-1.2	-0.2	-1.0	-1.0
GW 3	1/16/98	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	2.00	-0.10	-0.05	-0.001	-0.10	0.0721	-2.3	-0.2	-1.0	3.8
GW 3	4/7/98	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	1.79	-0.10	-0.05	-0.001	-0.10	0.0632	-1.2	-0.2	-1.0	-1.0
GW 3	7/7/98	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	1.69	-0.10	-0.05	-0.001	-0.10	-0.0003	-1.5	-0.2	-1.0	-1.0
GW 3	10/6/98	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	1.76	-0.10	-0.05	-0.001	-0.10	0.0607	-1.7	-0.2	-1.0	-1.0
GW 3	1/5/99	-0.10	-0.001	-0.01	0.007	-0.01	-0.05	1.41	-0.10	-0.05	-0.001	-0.10	0.0475	-1.2	-0.2	-1.0	-1.0
GW 3	4/6/99	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	1.82	-0.10	-0.05	-0.001	-0.10	0.0518	-1.2	-0.2	-1.0	-1.0
GW 3	7/13/99	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	1.69	-0.10	-0.05	-0.001	-0.10	0.0047	-1.2	-0.2	-1.0	-1.0
GW 3	10/5/99	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	2.03	-0.10	-0.05	-0.001	-0.10	0.0569	-1.6	-0.2	-1.0	-1.0
GW 3	2/22/00	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	1.78	-0.10	-0.05	0.001	-0.10	0.0513	-1.5	-0.2	-1.0	-1.0
GW 3	6/20/00	-0.10	0.001	-0.01	-0.005	-0.01	-0.05	1.87	-0.10	-0.05	0.001	-0.10	0.0568	-1.2	-0.2	-1.0	-1.0
GW 3	7/17/00	-0.10	-0.001	-0.01	-0.005	0.01	-0.05	1.78	-0.10	-0.05	-0.001	-0.10	0.0560	-1.2	-0.2	-1.0	-1.0
GW 4	10/12/89	0.12	-0.001	-0.05	-0.01	-0.01	-0.05	0.04	-0.10	-0.05	0.008	-0.10	0.0770	-2.2	-0.2	1.1	2.0
GW 4	1/4/90	-0.10	-0.001	-0.05	-0.01	-0.01	-0.05	0.05	-0.10	-0.05	0.005	-0.10	0.0770	-3.9	-0.2	-1.0	3.1
GW 4	4/3/90	-0.10	-0.001	-0.05	-0.01	-0.01	-0.05	0.03	-0.10	-0.05	0.006	-0.10	0.0770	-2.0	0.4	-1.0	1.7
GW 4	7/2/90	-0.10	-0.001	-0.05	-0.01	-0.01	-0.05	0.02	-0.10	-0.05	0.004	-0.10	0.0756	-1.2	-0.2	-1.0	-1.0
GW 4	10/3/90	-0.10	0.001	-0.05	-0.01	0.02	-0.05	0.11	-0.10	-0.05	-0.001	-0.10	0.0590	-2.9	-0.2	-1.0	-1.0
GW 4	1/15/91	0.24	-0.001	-0.01	-0.01	0.01	-0.05	0.04	-0.10	-0.05	0.004	-0.10	0.0647	-1.8	-0.2	-1.0	1.2
GW 4	4/2/91	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.08	-0.10	-0.05	0.005	-0.10	0.0480	-1.2	-0.2	2.2	-1.0
GW 4	7/17/91	-0.10	0.001	-0.01	-0.01	-0.01	-0.05	0.14	-0.10	-0.05	0.008	-0.10	0.0440	-1.2	-0.2	-1.0	-1.0
GW 4	10/15/91	-0.10	0.001	-0.01	-0.01	-0.01	-0.05	0.14	-0.10	-0.05	0.008	-0.10	0.0440	-2.2	-0.2	-1.0	-1.0
GW 4	1/15/92	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.10	-0.10	-0.05	0.006	-0.10	0.1240	-2.1	-0.2	-1.0	-1.0
GW 4	4/7/92	-0.10	0.004	-0.01	-0.01	-0.01	-0.05	0.06	-0.10	-0.05	0.019	-0.10	0.0700	-7.3	-0.2	6.3	-1.0
GW 4	7/8/92	-0.10	0.001	-0.01	-0.01	-0.01	-0.05	0.05	-0.10	-0.05	0.004	-0.10	0.0470	2.8	-0.2	-1.0	-1.0
GW 4	10/6/92	0.10	0.002	-0.01	-0.01	-0.01	-0.05	0.05	0.10	-0.05	0.016	-0.10	0.0860	1.3	-0.2	-1.0	-1.0
GW 4	1/6/93	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.06	-0.10	-0.05	0.015	-0.10	0.1110	-3.3	-0.2	-1.0	5.1
GW 4	4/6/93	-0.10	0.001	-0.01	-0.01	0.01	-0.05	0.05	-0.10	-0.05	0.010	-0.10	0.0810	-1.3	-0.2	2.8	-1.0
GW 4	7/13/93	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.04	-0.10	-0.05	0.016	-0.10	0.0640	-1.2	-0.2	3.2	-1.0
GW 4	10/6/93	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.05	-0.10	-0.05	0.007	-0.10	0.0730	-1.5	-0.2	1.2	1.9
GW 4	1/6/94	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.08	-0.10	-0.05	0.007	-0.10	0.0520	6.6	-0.2	1.6	10.6
GW 4	4/13/94	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.04	-0.10	-0.05	0.004	-0.10	0.0670	-1.9	-0.2	6.8	-1.0

Refer to page 1 for explanatory notes

TABLE B.1

SOUTHWEST ALLUVIUM DATA SUMMARY
1989 - 2000

Well No.	Date	Water Elevation (ft AMSL)	Field pH (SU)	Lab pH (SU)	Lab TDS (mg/L)	Ca (mg/L)	Mg (mg/L)	Na (mg/L)	K (mg/L)	HCO_3 (mg/L)	SO_4 (mg/L)	Cl (mg/L)	NH_4 as N (mg/L)	NO_3 as N (mg/L)	Chloro-form (mg/L)	Naphtha-lene (mg/L)	Cyanide (mg/L)
	NRC Standard	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00100	0.001	0.005
	EPA Standard	NA	NA	NA	4,800	NA	NA	NA	NA	NA	2,125	250	NA	190	NA	NA	NA
GW 4	7/20/94	6910.80	7.1	7.09	3,676	727	195	157	12.0	733	1,729	40.1	0.18	110	-0.00100		
GW 4	10/4/94	6910.70	7.1	7.78	3,849	721	198	181	12.0	712	1,796	45.6	0.13	119	-0.00100		
GW 4	1/5/95	6910.30	7.1	7.42	3,937	746	192	168	13.0	738	1,697	45.6	0.22	122	-0.00100		
GW 4	4/4/95	6910.40	7.2	7.47	3,989	790	216	182	12.8	805	1,844	49.0	0.44	141	-0.00100		
GW 4	7/6/95	6909.40	7.2	7.63	3,957	740	207	183	15.2	610	1,740	58.0	0.85	141	-0.00100		
GW 4	10/3/95	6909.20	7.1	7.82	4,277	715	213	172	12.6	630	1,692	51.0	3.01	165	-0.00100		
GW 4	1/2/96	6909.20															
GW 4	4/2/96	6909.20	7.1	7.83	4,092	718	193	166	12.4	706	1,688	46.6	0.37	146	-0.00100		
GW 4	7/9/96	6908.60															
GW 4	10/1/96	6908.50	6.9	7.66	3,900	743	194	165	12.1	806	1,671	44.0	0.28	126	-0.00100		
GW 4	1/22/97	6908.60	6.6	7.70	3,490	740	195	146	11.1	773	1,739	48.0	0.10	116	-0.00100		
GW 4	4/8/97	6908.50	7.2	7.75	3,840	744	196	149	11.3	680	1,734	46.0	0.07	119	-0.00100		
GW 4	7/8/97	6908.80	7.3	7.77	3,890	730	192	144	11.0	667	1,710	46.2	0.12	111	-0.00100		
GW 4	10/7/97	6909.60	6.7	7.70	3,950	736	183	153	11.3	798	1,610	44.0	0.06	106	-0.00100		
GW 4	1/16/98	6910.50	7.2	7.94	3,880	712	188	162	12.1	817	1,800	44.2	0.22	105	-0.00100		
GW 4	4/7/98	6910.50	7.0	7.69	3,890	715	192	153	11.3	777	1,600	35.0	-0.05	95.6	-0.00100		
GW 4	7/7/98	6910.30	7.2	7.80	3,870	700	190	163	11.8	797	1,600	38.7	0.12	86.9	-0.00100		
GW 4	10/6/98	6910.20	7.2	7.92	3,840	714	198	165	13.0	670	1,780	42.4	0.28	105	-0.00100		
GW 4	1/5/99	6910.00	7.3	7.78	3,810	650	182	151	11.3	622	1,620	41.4	0.13	75.7	-0.00100		
GW 4	4/6/99	6910.40	7.2	7.99	3,810	675	179	146	11.5	644	1,620	50.1	0.26	100	-0.00100		
GW 4	7/13/99	6909.25	7.2														

Refer to page 1 for explanatory notes

TABLE B.1

SOUTHWEST ALLUVIUM DATA SUMMARY
1989 - 2000

Well No.	Date	Al (mg/L)	As (mg/L)	Be (mg/L)	Cd (mg/L)	Co (mg/L)	Pb (mg/L)	Mn (mg/L)	Mo (mg/L)	Ni (mg/L)	Se (mg/L)	V (mg/L)	U (mg/L)	Ra-226+ Ra-228 (pCi/L)	Th-230 (pCi/L)	Pb-210 (pCi/L)	Gross Alpha (pCi/L)
	NRC Standard	NA	0.05	0.05	0.01	NA	0.05	NA	NA	0.05	0.01	0.10	0.3	5.0	5.0	1.0	15.0
	EPA Standard	5.0	0.05	0.02	0.01	0.05	0.05	2.60	1.00	0.2	0.01	0.70	5.0	5.0	NA	NA	15.0
GW 4	7/20/94	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.02	-0.10	-0.05	0.007	-0.10	0.0670	15.3	-0.2	-1.0	22.9
GW 4	10/4/94	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	-0.01	-0.10	-0.05	0.004	-0.10	0.0870	-1.2	-0.2	-1.0	-1.0
GW 4	1/5/95	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.07	-0.10	-0.05	0.002	-0.10	0.0620	-2.1	-0.2	-1.0	1.3
GW 4	4/4/95	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.04	-0.10	-0.05	0.005	-0.10	0.0720	-1.6	-0.2	-1.0	-1.0
GW 4	7/6/95	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.09	-0.10	-0.05	0.012	-0.10	0.0374	-1.9	0.4	-1.0	-1.0
GW 4	10/3/95	-0.10	0.004	-0.01	-0.01	-0.01	-0.05	0.09	-0.10	-0.05	0.019	-0.10	0.0711	-1.3	-0.2	-1.0	1.3
GW 4	1/2/96																
GW 4	4/2/96	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.02	-0.10	-0.05	-0.001	-0.10	0.0650	-1.3	-0.2	-1.0	-1.0
GW 4	7/9/96																
GW 4	10/1/96	0.19	0.001	-0.01	-0.01	-0.01	-0.05	0.08	-0.10	-0.05	0.007	-0.10	0.0630	-1.3	0.8	-1.0	-1.0
GW 4	1/22/97	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.07	-0.10	-0.05	0.003	-0.10	0.0600	-0.6	-0.2	-1.0	-1.0
GW 4	4/8/97	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.10	-0.10	-0.05	0.274	-0.10	0.0660	-0.6	-0.2	-1.0	-1.0
GW 4	7/8/97	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.12	-0.10	-0.05	-0.001	-0.10	0.0630	-3.1	-0.2	-1.0	2.9
GW 4	10/7/97	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.16	-0.10	-0.05	0.004	-0.10	0.0660	-1.5	-0.2	-1.0	-1.0
GW 4	1/16/98	-0.10	-0.001	-0.01	-0.01	-0.01	-0.05	0.04	-0.10	-0.05	0.005	-0.10	0.0714	-1.2	-0.2	-1.0	-1.0
GW 4	4/7/98	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	0.1	-0.10	-0.05	0.037	-0.10	0.0729	-1.5	-0.2	-1.0	-1.0
GW 4	7/7/98	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	0.09	-0.10	-0.05	0.024	-0.10	0.0734	-1.5	-0.2	-1.0	-1.0
GW 4	10/6/98	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	0.21	-0.10	-0.05	0.005	-0.10	0.0782	-1.2	-0.2	-1.0	-1.0
GW 4	1/5/99	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	0.11	-0.10	-0.05	0.009	-0.10	0.0744	-2.2	-0.2	-1.0	-1.0
GW 4	4/6/99	-0.10	-0.001	-0.01	-0.005	-0.01	-0.05	0.1	-0.10	-0.05	0.007	-0.10	0.0715	-1.8	-0.2	-1.0	-1.0
GW 4	7/13/99																

Refer to page 1 for explanatory notes

LABORATORY ANALYTICAL DATA
2000

SEMI-ANNUAL GROUND WATER MONITORING REPORT

JANUARY 1, 2000 THROUGH JUNE 30, 2000

ALLUVIUM

GW-1

GW-2

509-D *

632 *

EPA-23 * and duplicate

EPA-28 *

GW-3

EPA-25

624

627

* Point of Compliance Wells

SAMPLES ONLY

801 (1ST Qr. Only)

802

803

LEVELS ONLY

804 (1ST QR. ONLY)

805

806 (1ST Qr. Only)

807

808 (2nd Qr. Only)

801

*Point of Compliance Wells

UNC MINING AND MILLING: CHURCHROCK OPERATIONS
GROUNDWATER MONITORING PROGRAM: SOUTHWEST ALLUVIUM MONITOR WELLS

WELL ID:	GW-1	GW-1	GW-1	GW-1
LABORATORY ID:	99-33595-065	30143-2	00-32684-3	00-34507-1
SAMPLE DATE/TIME:	10-05-99 @ 11:17	01-04-00 @ 12:45	05/09/00 00:00	07/17/00 08:35
DATE RECEIVED:			5/12/00	7/20/00
REPORT DATE:	November 16, 1999	February 18, 2000	June 21, 2000	August 21, 2000
QUARTER REPRESENTED:	Fourth '99	First 2000	Second 2000	Third 2000
UNC SUBMITTAL #:	TE-7-10-99	TE-1-1-2000	TE-4-5-2000	TE-7-7-2000

Major Ions	Method	Units	Reporting Limit	Results	Results	Results	Results
Calcium	EPA 200.7	mg/L	0.05	562	589	585	609
Magnesium	EPA 200.7	mg/L	0.01	270	278	309	312
Sodium	EPA 200.7	mg/L	0.05	205	176	226	210
Potassium	EPA 200.7	mg/L	0.10	5.1	6.0	5.1	4.88
Bicarbonate	SM 2320-B	mg/L	0.10	788	742	919	915
Sulfate	EPA 200.7	mg/L	1.0	1670	1790	1870	1720
Chloride	EPA 200.7	mg/L	1.0	120	114	122	125
Ammonium as N	SM 4500-NH_3-G	mg/L	0.05	0.10	0.28	0.84	0.77
Nitrate + Nitrite as N	EPA 353.2	mg/L	0.10	91.0	94.2	87.0	77.5
Non-Metals							
Total Dissolved Solids	SM 2540-C	mg/L	1.0	4230	4160	4410	4370
pH	SM 4500-H-B	std. units	0.10	7.53	7.72	7.69	7.58
Trace Metals							
Aluminum	EPA 200.7	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Arsenic III	SM 3114C	mg/L	0.001	< 0.001	< 0.001	< 0.001	< 0.001
Beryllium	EPA 200.7	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01
Cadmium	EPA 200.8	mg/L	0.005	< 0.005	< 0.005	< 0.005	< 0.005
Cobalt	EPA 200.7	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01
Iron	EPA 200.7	mg/L	0.05				< 0.05
Lead	EPA 200.7	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05
Manganese	EPA 200.7	mg/L	0.01	0.02	0.03	0.04	0.04
Molybdenum	EPA 200.7	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nickel	EPA 200.7	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05
Selenium IV	SM 3114C	mg/L	0.001	< 0.001	0.001	< 0.001	< 0.001
Vanadium	EPA 200.7	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Radiometrics							
Uranium	EPA 200.8	mg/L	0.0003	0.0507	0.0510	0.0610	0.0572
Radium 226	EPA 903.0	pCi/L	0.2	0.4	< 0.2	< 0.2	< 0.2
Radium Error Estimate ±				0.3			
Radium 228	EPA 904.0	pCi/L	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Radium Error Estimate ±							
Thorium 230	EPA 907.0	pCi/L	0.2	< 0.2	< 0.2	< 0.2	< 0.2
Thorium Error Estimate ±							
Lead 210	NERHL-65-4	pCi/L	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Lead Error Estimate ±							
Gross Alpha	EPA 900.0	pCi/L	1.0	< 1.0	< 1.0	< 1.0	< 1.0
G. Alpha Error Estimate ±							
Trace Organics							
Chloroform	EPA 601	µg/L	1.0	< 1.0	< 1.0	< 1.0	< 1.0

Quality Assurance Data		Target Range				
Anion	meq		57.6	59.4	63.7	59.9
Cation	meq		59.7	60.4	65.0	65.8
SM A/C Balance	%	-5 - +5	1.77	0.88	1.04	4.68
Calc TDS	mg/L		3629	3742	3963	3782
TDS A/C Balance	dec. %	0.80 - 1.20	1.17	1.11	1.11	1.16

UNC MINING AND MILLING: CHURCHROCK OPERATIONS
GROUNDWATER MONITORING PROGRAM: SOUTHWEST ALLUVIUM MONITOR WELLS

WELL ID:	GW-2	GW-2	GW-2	GW-2
LABORATORY ID:	99-33595-006	30143-4	00-32684-1	00-34507-4
SAMPLE DATE/TIME:	10-05-99 @ 11:38	01-04-00 @ 13:35	05/08/00 00:00	07/17/00 10:55
DATE RECEIVED:			5/12/00	7/20/00
REPORT DATE:	November 16, 1999	February 18, 2000	June 21, 2000	August 21, 2000
QUARTER REPRESENTED:	Fourth '99	First 2000	Second 2000	Third 2000
UNC SUBMITTAL #:	TE-7-10-99	TE-1-1-2000	TE-4-5-2000	TE-7-7-2000

Major Ions	Method	Units	Reporting Limit	Results	Results	Results	Results
Calcium	EPA 200.7	mg/L	0.05	537	587	540	571
Magnesium	EPA 200.7	mg/L	0.01	512	549	528	536
Sodium	EPA 200.7	mg/L	0.05	229	185	234	213
Potassium	EPA 200.7	mg/L	0.10	10.1	11.0	9.50	9.61
Bicarbonate	SM 2320-B	mg/L	0.10	1420	1430	1410	1400
Sulfate	EPA 200.7	mg/L	1.0	2380	2610	2590	2400
Chloride	EPA 200.7	mg/L	1.0	164	143	155	158
Ammonium as N	SM 4500-NH_3-G	mg/L	0.05	0.24	< 0.05	< 0.05	< 0.05
Nitrate + Nitrite as N	EPA 353.2	mg/L	0.10	5.50	4.05	2.74	2.95
Non-Metals							
Total Dissolved Solids	SM 2540-C	mg/L	1.0	5510	5440	5410	5440
pH	SM 4500-H-B	std. units	0.10	7.39	7.76	7.64	7.65
Trace Metals							
Aluminum	EPA 200.7	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Arsenic III	SM 3114C	mg/L	0.001	< 0.001	< 0.001	< 0.001	< 0.001
Beryllium	EPA 200.7	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01
Cadmium	EPA 200.8	mg/L	0.005	< 0.005	< 0.005	< 0.005	< 0.005
Cobalt	EPA 200.7	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01
Iron	EPA 200.7	mg/L	0.05				< 0.05
Lead	EPA 200.7	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05
Manganese	EPA 200.7	mg/L	0.01	0.49	0.44	0.46	0.44
Molybdenum	EPA 200.7	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nickel	EPA 200.7	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05
Selenium IV	SM 3114C	mg/L	0.001	< 0.001	0.001	< 0.001	< 0.001
Vanadium	EPA 200.7	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Radiometrics							
Uranium	EPA 200.8	mg/L	0.0003	0.0705	0.0681	0.0685	0.0602
Radium 226	EPA 903.0	pCi/L	0.2	0.3	< 0.2	< 0.2	< 0.2
Radium Error Estimate ±				0.2			
Radium 228	EPA 904.0	pCi/L	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Radium Error Estimate ±							
Thorium 230	EPA 907.0	pCi/L	0.2	< 0.2	< 0.2	< 0.2	< 0.2
Thorium Error Estimate ±							
Lead 210	NERHL-65-4	pCi/L	1.0	< 1.0	< 1.0	5.9	< 1.0
Lead Error Estimate ±						2.3	
Gross Alpha	EPA 900.0	pCi/L	1.0	< 1.0	< 1.0	< 1.0	< 1.0
G. Alpha Error Estimate ±							
Trace Organics							
Chloroform	EPA 601	µg/L	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Quality Assurance Data			**Target Range**				
Anion		meq		77.9	82.1	81.6	77.6
Cation		meq		79.8	83.5	81.4	82.8
SM A/C Balance		%	-5 - +5	1.21	0.80	-0.12	3.21
Calc TDS		mg/L		4567	4818	4774	4601
TDS A/C Balance		dec. %	0.80 - 1.20	1.21	1.13	1.13	1.18

UNC MINING AND MILLING: CHURCHROCK OPERATIONS
GROUNDWATER MONITORING PROGRAM: SOUTHWEST ALLUVIUM MONITOR WELLS

WELL ID:	GW-3	GW-3	GW-3	GW-3
LABORATORY ID:	99-33595-007	30143-7	00-32838-1	00-34507-7
SAMPLE DATE/TIME:	10-05-99 @ 12:05	01-04-00 @ 14:25	05/15/00 00:00	07/17/00 14:15
DATE RECEIVED:			5/18/00	7/20/00
REPORT DATE:	November 16, 1999	February 22, 2000	June 20, 2000	August 21, 2000
QUARTER REPRESENTED:	Fourth '99	First 2000	Second 2000	Third 2000
UNC SUBMITTAL #:	TE-7-10-99	TE-1-1-2000	TE 5-5-2000	TE-7-7-2000

Major Ions	Method	Units	Reporting Limit	Results	Results	Results	Results
Calcium	EPA 200.7	mg/L	0.05	702	760	755	809
Magnesium	EPA 200.7	mg/L	0.01	219	239	241	258
Sodium	EPA 200.7	mg/L	0.05	217	169	211	207
Potassium	EPA 200.7	mg/L	0.10	7.5	9.2	8.0	9.14
Bicarbonate	SM 2320-B	mg/L	0.10	1170	1170	1174	1190
Sulfate	EPA 200.7	mg/L	1.0	1680	1760	1830	1710
Chloride	EPA 200.7	mg/L	1.0	123	106	127	125
Ammonium as N	SM 4500-NH_3-G	mg/L	0.05	14.8	< 0.05	0.15	< 0.05
Nitrate + Nitrite as N	EPA 353.2	mg/L	0.10	99.0	113	119	117
Non-Metals							
Total Dissolved Solids	SM 2540-C	mg/L	1.0	4660	4680	4780	4800
pH	SM 4500-H-B	std. units	0.10	7.34	7.83	7.71	7.51
Trace Metals							
Aluminum	EPA 200.7	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Arsenic III	SM 3114C	mg/L	0.001	< 0.001	< 0.001	0.001	< 0.001
Beryllium	EPA 200.7	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01
Cadmium	EPA 200.8	mg/L	0.005	< 0.005	< 0.005	< 0.005	< 0.005
Cobalt	EPA 200.7	mg/L	0.01	< 0.01	< 0.01	< 0.01	0.01
Iron	EPA 200.7	mg/L	0.05				< 0.05
Lead	EPA 200.7	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05
Manganese	EPA 200.7	mg/L	0.01	2.03	1.78	1.87	1.78
Molybdenum	EPA 200.7	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nickel	EPA 200.7	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05
Selenium IV	SM 3114C	mg/L	0.001	< 0.001	0.001	0.001	< 0.001
Vanadium	EPA 200.7	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Radiometrics							
Uranium	EPA 200.8	mg/L	0.0003	0.0569	0.0513	0.0568	0.0560
Radium 226	EPA 903.0	pCi/L	0.2	0.6	0.5	< 0.2	< 0.2
Radium Error Estimate ±				0.2	0.3		
Radium 228	EPA 904.0	pCi/L	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Radium Error Estimate ±							
Thorium 230	EPA 907.0	pCi/L	0.2	< 0.2	< 0.2	< 0.2	< 0.2
Thorium Error Estimate ±							
Lead 210	NERHL-65-4	pCi/L	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Lead Error Estimate ±							
Gross Alpha	EPA 900.0	pCi/L	1.0	< 1.0	< 1.0	< 1.0	< 1.0
G. Alpha Error Estimate ±							
Trace Organics							
Chloroform	EPA 601	µg/L	1.0	< 1.0	2.0	< 1.0	< 1.0

Quality Assurance Data		Target Range				
Anion	meq		64.7	66.9	69.4	67.0
Cation	meq		64.2	65.6	67.3	71.3
SM A/C Balance	%	-5 - +5	-0.43	-0.98	-1.55	3.10
Calc TDS	mg/L		3993	4131	4288	4233
TDS A/C Balance	dec. %	0.80 - 1.20	1.17	1.13	1.11	1.13

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UNC MINING AND MILLING: CHURCHROCK OPERATIONS
GROUNDWATER MONITORING PROGRAM: SOUTHWEST ALLUVIUM MONITOR WELLS

WELL ID:	509D	509D	509D	509D
LABORATORY ID:	99-35510	99-33595-001	30143-1	32496-10
SAMPLE DATE:	07-13-99	10-05-99 @ 10:57	01-04-00 @ 12:33	05-03-00
REPORT DATE:	August 17, 1999	November 16, 1999	February 18, 2000	June 04, 2000
QUARTER REPRESENTED:	Third 1999	Fourth 1999	First 2000	Second 2000
UNC SUBMITTAL #:	TE-5-7-99	TE-7-10-99	TE-1-1-2000	TE-3-5-2000

Major Ions	Method	Units	Reporting Limit	Results	Results	Results	Results
Calcium	EPA 200.7	mg/L	0.05	762	847	798	859
Magnesium	EPA 200.7	mg/L	0.01	644	664	529	337
Sodium	EPA 200.7	mg/L	0.05	314	307	232	241
Potassium	EPA 200.7	mg/L	0.10	25.1	18.6	17.5	13.2
Bicarbonate	SM 2320 B.	mg/L	0.10	1540	1990	1980	2010
Sulfate	EPA 200.7	mg/L	1.0	3000	3070	2520	1570
Chloride	EPA 200.7	mg/L	1.0	312	317	278	293
Ammonium as N	EPA 350.1	mg/L	0.05	17.6	0.05	11.7	0.60
Nitrate + Nitrite as N	EPA 353.2	mg/L	0.10	36.6	35.4	36.6	32.7

Non-Metals							
Total Dissolved Solids @ 180°C	SM 2540 C. Mod.	mg/L	1.0	6620	6290	6090	4990
pH	SM 4500-H B.	std. units	0.10	7.72	7.40	7.59	7.12

Trace Metals							
Aluminum	EPA 200.8	mg/L	0.10	< 0.10	< 0.10	< 0.10	0.20
Arsenic III	SM 3114C	mg/L	0.001	< 0.001	< 0.001	< 0.001	< 0.001
Beryllium	EPA 200.8	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01
Cadmium	EPA 200.8	mg/L	0.005	< 0.005	0.008	< 0.005	0.005
Cobalt	EPA 200.8	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01
Lead	EPA 200.8	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05
Manganese	EPA 200.8	mg/L	0.01	0.56	1.05	1.09	1.60
Molybdenum	EPA 200.8	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nickel	EPA 200.8	mg/L	0.05	< 0.05	< 0.05	0.05	< 0.05
Selenium IV	SM 3114C	mg/L	0.001	0.003	< 0.001	0.001	< 0.001
Vanadium	EPA 200.8	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10

Radiometrics							
Uranium	EPA 200.8	mg/L	0.0003	0.104	0.108	0.134	0.176
Radium 226	EPA 903.0	pCi/L	0.2	1.9	0.5	0.5	< 0.2
Radium Error Estimate ±				0.4	0.2	0.3	
Radium 228	EPA 904.0	pCi/L	1.0	< 1.0	< 1.0	< 1.0	2.6
Radium Error Estimate ±							0.2
Thorium 230	EPA 907.0	pCi/L	0.2	< 0.2	< 0.2	< 0.2	< 0.2
Thorium Error Estimate ±							
Lead 210	NERHL-65-4	pCi/L	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Lead Error Estimate ±							
Gross Alpha	EPA 900.1	pCi/L	1.0	9.3	< 1.0	< 1.0	< 1.0
G. Alpha Error Estimate ±				1.1			

Trace Organics							
Chloroform	EPA 601	µg/L	1.0	< 1.0	< 1.0	< 1.0	1.9

Quality Assurance Data		Target Range				
Anion	meq		99.15	108.04	95.40	76.25
Cation	meq		107.36	111.58	95.41	81.98
SM A/C Balance	%	-5 - +5	3.98	1.61	0.01	3.62
Calc TDS	mg/L		6013	6377	5543	4465
TDS A/C Balance	dec. %	0.80 - 1.20	1.10	0.99	1.10	1.12

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UNC MINING AND MILLING: CHURCHROCK OPERATIONS
GROUNDWATER MONITORING PROGRAM: SOUTHWEST ALLUVIUM MONITOR WELLS

WELL ID:	**509-D**
LABORATORY ID:	**00-34352-1**
SAMPLE DATE/TIME:	**07-12-00 09:05**
DATE RECEIVED:	**07-14-00**
REPORT DATE:	**August 21, 2000**
QUARTER REPRESENTED:	**Third 2000**
UNC SUBMITTAL #:	**TE-6-7-2000**

Major Ions	Method	Units	Reporting Limit	Results
Calcium	EPA 200.7	mg/L	0.05	866
Magnesium	EPA 200.7	mg/L	0.01	306
Sodium	EPA 200.7	mg/L	0.05	228
Potassium	EPA 200.7	mg/L	0.10	10.3
Bicarbonate	SM 2320-B	mg/L	0.10	2110
Sulfate	EPA 200.7	mg/L	1.0	1380
Chloride	EPA 200.7	mg/L	1.0	324
Ammonium as N	SM 4500-NH_3-G	mg/L	0.05	0.24
Nitrate + Nitrite as N	EPA 353.2	mg/L	0.10	31.3

Non-Metals				
Total Dissolved Solids	SM 2540-C	mg/L	1.0	4920
pH	SM 4500-H-B	std. units	0.10	7.18

Trace Metals				
Aluminum	EPA 200.7	mg/L	0.10	< 0.10
Arsenic III	SM 3114C	mg/L	0.001	< 0.001
Beryllium	EPA 200.7	mg/L	0.01	< 0.01
Cadmium	EPA 200.8	mg/L	0.005	< 0.005
Cobalt	EPA 200.7	mg/L	0.01	< 0.01
Iron	EPA 200.7	mg/L	0.03	< 0.03
Lead	EPA 200.7	mg/L	0.05	< 0.05
Manganese	EPA 200.7	mg/L	0.01	1.89
Molybdenum	EPA 200.7	mg/L	0.10	< 0.10
Nickel	EPA 200.7	mg/L	0.05	< 0.05
Selenium IV	SM 3114C	mg/L	0.001	< 0.001
Vanadium	EPA 200.7	mg/L	0.10	< 0.10

Radiometrics				
Uranium	EPA 200.8	mg/L	0.0003	0.226
Radium 226	EPA 903.0	pCi/L	0.2	0.6
Radium Error Estimate ±				0.3
Radium 228	EPA 904.0	pCi/L	1.0	2.8
Radium Error Estimate ±				0.2
Thorium 230	EPA 907.0	pCi/L	0.2	< 0.2
Thorium Error Estimate ±				
Lead 210	NERHL-65-4	pCi/L	1.0	< 1.0
Lead Error Estimate ±				
Gross Alpha	EPA 900.0	pCi/L	1.0	< 1.0
G. Alpha Error Estimate ±				

Trace Organics				
Chloroform	EPA 601	µg/L	1.0	< 1.0

Quality Assurance Data		Target Range	
Anion	meq		74.7
Cation	meq		79.1
SM A/C Balance	%	-5 - +5	2.85
Calc TDS	mg/L		4310
TDS A/C Balance	dec. %	0.80 - 1.20	1.14

UNC MINING AND MILLING: CHURCHROCK OPERATIONS
GROUNDWATER MONITORING PROGRAM: SOUTHWEST ALLUVIUM MONITOR WELLS

WELL ID:	624	624	624	624
LABORATORY ID:	99-33595-002	30143-3	00-32684-5	00-34507-2
SAMPLE DATE/TIME:	10-05-99 @ 11:27	01-04-00 @ 13:20	05/09/00 00:00	07/17/00 09:25
DATE RECEIVED:			5/12/00	7/20/00
REPORT DATE:	November 16, 1999	February 18, 2000	June 21, 2000	August 21, 2000
QUARTER REPRESENTED:	Fourth '99	First 2000	Second 2000	Third 2000
UNC SUBMITTAL #:	TE-7-10-99	TE-1-1-2000	TE-4-5-2000	TE-7-7-2000

Major Ions	Method	Units	Reporting Limit	Results	Results	Results	Results
Calcium	EPA 200.7	mg/L	0.05	618	649	652	697
Magnesium	EPA 200.7	mg/L	0.01	411	429	438	456
Sodium	EPA 200.7	mg/L	0.05	199	170	207	194
Potassium	EPA 200.7	mg/L	0.10	6.1	6.9	6.30	6.46
Bicarbonate	SM 2320-B	mg/L	0.10	1350	1160	1470	1480
Sulfate	EPA 200.7	mg/L	1.0	1860	2080	1970	1790
Chloride	EPA 200.7	mg/L	1.0	179	155	177	184
Ammonium as N	SM 4500-NH_3-G	mg/L	0.05	0.09	< 0.05	< 0.05	< 0.05
Nitrate + Nitrite as N	EPA 353.2	mg/L	0.10	88.3	49.2	93.6	85.1
Non-Metals							
Total Dissolved Solids	SM 2540-C	mg/L	1.0	4900	4840	5130	5170
pH	SM 4500-H-B	std. units	0.10	7.59	7.76	7.67	7.62
Trace Metals							
Aluminum	EPA 200.7	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Arsenic III	SM 3114C	mg/L	0.001	< 0.001	< 0.001	< 0.001	< 0.001
Beryllium	EPA 200.7	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01
Cadmium	EPA 200.8	mg/L	0.005	< 0.005	< 0.005	< 0.005	< 0.005
Cobalt	EPA 200.7	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01
Iron	EPA 200.7	mg/L	0.05				< 0.05
Lead	EPA 200.7	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05
Manganese	EPA 200.7	mg/L	0.01	0.02	0.05	0.02	0.02
Molybdenum	EPA 200.7	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nickel	EPA 200.7	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05
Selenium IV	SM 3114C	mg/L	0.001	< 0.001	0.001	< 0.001	< 0.001
Vanadium	EPA 200.7	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Radiometrics							
Uranium	EPA 200.8	mg/L	0.0003	0.0366	0.0443	0.0348	0.0325
Radium 226	EPA 903.0	pCi/L	0.2	0.5	< 0.2	< 0.2	< 0.2
Radium Error Estimate ±				0.3			
Radium 228	EPA 904.0	pCi/L	1.0	< 1.0	< 1.0	2.0	1.5
Radium Error Estimate ±						0.2	0.1
Thorium 230	EPA 907.0	pCi/L	0.2	< 0.2	< 0.2	< 0.2	< 0.2
Thorium Error Estimate ±							
Lead 210	NERHL-65-4	pCi/L	1.0	< 1.0	< 1.0	6.4	< 1.0
Lead Error Estimate ±						2.3	
Gross Alpha	EPA 900.0	pCi/L	1.0	< 1.0	< 1.0	< 1.0	< 1.0
G. Alpha Error Estimate ±							
Trace Organics							
Chloroform	EPA 601	µg/L	1.0	< 1.0	< 1.0	< 1.0	< 1.0

Quality Assurance Data		Target Range				
Anion	meq		72.2	70.2	76.8	72.8
Cation	meq		74.0	75.8	78.3	81.5
SM A/C Balance	%	-5 - +5	1.19	3.80	0.93	5.60
Calc TDS	mg/L		4339	4288	4600	4444
TDS A/C Balance	dec. %	0.80 - 1.20	1.13	1.13	1.12	1.16

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UNC MINING AND MILLING: CHURCHROCK OPERATIONS
GROUNDWATER MONITORING PROGRAM: SOUTHWEST ALLUVIUM MONITOR WELLS

WELL ID:	632	632	632	632
LABORATORY ID:	99-35514	99-33595-003	30143-6	00-32684-2
SAMPLE DATE/TIME:	07-13-99	10-05-99 @ 11:47	01-04-00 @ 13:55	05/08/00 00:00
DATE RECEIVED:				05/12/2000
REPORT DATE:	August 17, 1999	November 16, 1999	February 22, 2000	June 21, 2000
QUARTER REPRESENTED:	Third '99	Fourth '99	First 2000	Second 2000
UNC SUBMITTAL #:	TE-5-7-99	TE-7-10-99	TE-1-1-2000	TE-4-5-2000

Major Ions	Method	Units	Reporting Limit	Results	Results	Results	Results
Calcium	EPA 200.7	mg/L	0.05	651	691	581	579
Magnesium	EPA 200.7	mg/L	0.01	602	667	555	560
Sodium	EPA 200.7	mg/L	0.05	336	375	283	366
Potassium	EPA 200.7	mg/L	0.10	14.3	8.3	10.8	8.30
Bicarbonate	SM 2320-B	mg/L	0.10	1910	1850	1790	1800
Sulfate	EPA 200.7	mg/L	1.0	2830	3140	2610	2640
Chloride	EPA 200.7	mg/L	1.0	244	235	217	238
Ammonium as N	SM 4500-NH_3-G	mg/L	0.05	0.21	0.16	0.24	0.05
Nitrate + Nitrite as N	EPA 353.2	mg/L	0.10	5.72	6.03	4.44	2.44
Non-Metals							
Total Dissolved Solids	SM 2540-C	mg/L	1.0	6140	6060	6210	6020
pH	SM 4500-H-B	std. units	0.10	7.78	7.75	7.93	7.60
Trace Metals							
Aluminum	EPA 200.8	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Arsenic III	SM 3114C	mg/L	0.001	< 0.001	< 0.001	< 0.001	< 0.001
Beryllium	EPA 200.8	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01
Cadmium	EPA 200.8	mg/L	0.005	< 0.005	0.006	< 0.005	< 0.005
Cobalt	EPA 200.8	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01
Lead	EPA 200.8	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05
Manganese	EPA 200.8	mg/L	0.01	0.72	0.85	0.87	1.04
Molybdenum	EPA 200.8	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nickel	EPA 200.8	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05
Selenium IV	SM 3114C	mg/L	0.001	< 0.001	0.001	0.001	< 0.001
Vanadium	EPA 200.8	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Radiometrics							
Uranium	EPA 200.8	mg/L	0.0003	0.0775	0.0795	0.0704	0.0774
Radium 226	EPA 903.0	pCi/L	0.2	0.5	2.1	1.3	0.5
Radium Error Estimate ±				0.2	0.2	0.2	0.2
Radium 228	EPA 904.0	pCi/L	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Radium Error Estimate ±							
Thorium 230	EPA 907.0	pCi/L	0.2	< 0.2	< 0.2	< 0.2	< 0.2
Thorium Error Estimate ±							
Lead 210	NERHL-65-4	pCi/L	1.0	2.9	< 1.0	< 1.0	< 1.0
Lead Error Estimate ±				0.4			
Gross Alpha	EPA 900.1	pCi/L	1.0	3.5	1.6	2.1	< 1.0
G. Alpha Error Estimate ±				0.8	0.6	0.5	
Trace Organics							
Chloroform	EPA 601	µg/L	1.0	1.8	2.1	2.0	2.8

Quality Assurance Data		Target Range				
Anion	meq		97.6	103	90.1	91.4
Cation	meq		97.8	107	87.9	91.8
SM A/C Balance	%	-5 - +5	0.11	1.87	-1.24	0.23
Calc TDS	mg/L		5659	6069	5173	5303
TDS A/C Balance	dec. %	0.80 - 1.20	1.09	1.00	1.20	1.14

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UNC MINING AND MILLING: CHURCHROCK OPERATIONS
GROUNDWATER MONITORING PROGRAM: SOUTHWEST ALLUVIUM MONITOR WELLS

WELL ID:	632
LABORATORY ID:	00-34352-2
SAMPLE DATE/TIME:	07-12-00 09:50
DATE RECEIVED:	07-14-00
REPORT DATE:	August 21, 2000
QUARTER REPRESENTED:	Third 2000
UNC SUBMITTAL #:	TE-6-7-2000

Major Ions	Method	Units	Reporting Limit	Results
Calcium	EPA 200.7	mg/L	0.05	595
Magnesium	EPA 200.7	mg/L	0.01	580
Sodium	EPA 200.7	mg/L	0.05	366
Potassium	EPA 200.7	mg/L	0.10	8.09
Bicarbonate	SM 2320-B	mg/L	0.10	1810
Sulfate	EPA 200.7	mg/L	1.0	2510
Chloride	EPA 200.7	mg/L	1.0	239
Ammonium as N	SM 4500-NH_3-G	mg/L	0.05	0.08
Nitrate + Nitrite as N	EPA 353.2	mg/L	0.10	2.92

Non-Metals				
Total Dissolved Solids	SM 2540-C	mg/L	1.0	6070
pH	SM 4500-H-B	std. units	0.10	6.98

Trace Metals				
Aluminum	EPA 200.7	mg/L	0.10	< 0.10
Arsenic III	SM 3114C	mg/L	0.001	< 0.001
Beryllium	EPA 200.7	mg/L	0.01	< 0.01
Cadmium	EPA 200.8	mg/L	0.005	< 0.005
Cobalt	EPA 200.7	mg/L	0.01	< 0.01
Iron	EPA 200.7	mg/L	0.03	< 0.03
Lead	EPA 200.7	mg/L	0.05	< 0.05
Manganese	EPA 200.7	mg/L	0.01	0.79
Molybdenum	EPA 200.7	mg/L	0.10	< 0.10
Nickel	EPA 200.7	mg/L	0.05	< 0.05
Selenium IV	SM 3114C	mg/L	0.001	< 0.001
Vanadium	EPA 200.7	mg/L	0.10	< 0.10

Radiometrics				
Uranium	EPA 200.8	mg/L	0.0003	0.0739
Radium 226	EPA 903.0	pCi/L	0.2	0.9
Radium Error Estimate ±				0.2
Radium 228	EPA 904.0	pCi/L	1.0	2.1
Radium Error Estimate ±				0.1
Thorium 230	EPA 907.0	pCi/L	0.2	< 0.2
Thorium Error Estimate ±				
Lead 210	NERHL-65-4	pCi/L	1.0	< 1.0
Lead Error Estimate ±				
Gross Alpha	EPA 900.0	pCi/L	1.0	< 1.0
G. Alpha Error Estimate ±				

Trace Organics				
Chloroform	EPA 601	µg/L	1.0	2.0

Quality Assurance Data		Target Range	
Anion	meq		88.9
Cation	meq		94.3
SM A/C Balance	%	-5 - +5	2.92
Calc TDS	mg/L		5217
TDS A/C Balance	dec. %	0.80 - 1.20	1.16

UNC MINING AND MILLING: CHURCHROCK OPERATIONS
GROUNDWATER MONITORING PROGRAM: SOUTHWEST ALLUVIUM MONITOR WELLS

WELL ID:	EPA 23	EPA 23	EPA-23(DUP.)	EPA-23
LABORATORY ID:	99-33757-004	30268-4	00-32684-8	00-34507-5
SAMPLE DATE/TIME:	10-12-99 @ 13:53	01-11-00 @ 10:50	05/09/00 00:00	07/17/00 13:00
DATE RECEIVED:			5/12/00	7/20/00
REPORT DATE:	November 29, 1999	February 18, 2000	June 21, 2000	August 21, 2000
QUARTER REPRESENTED:	Fourth '99	First 2000	Second 2000	Third 2000
UNC SUBMITTAL #:	TE-8-10-99	TE-2-1-2000	TE-4-5-2000	TE-7-7-2000

Major Ions	Method	Units	Reporting Limit	Results	Results	Results	Results
Calcium	EPA 200.7	mg/L	0.05	687	624	600	630
Magnesium	EPA 200.7	mg/L	0.01	424	379	365	376
Sodium	EPA 200.7	mg/L	0.05	152	144	125	117
Potassium	EPA 200.7	mg/L	0.10	10.2	11.2	9.60	9.68
Bicarbonate	SM 2320-B	mg/L	0.10	1240	1190	1050	1060
Sulfate	EPA 200.7	mg/L	1.0	2270	1840	2150	1980
Chloride	EPA 200.7	mg/L	1.0	111	92.6	70.0	71.1
Ammonium as N	SM 4500-NH_3-G	mg/L	0.05	3.61	3.11	0.99	1.02
Nitrate + Nitrite as N	EPA 353.2	mg/L	0.10	63.4	60.5	1.38	1.51
Non-Metals							
Total Dissolved Solids	SM 2540-C	mg/L	1.0	4910	4730	4430	4450
pH	SM 4500-H-B	std. units	0.10	7.69	7.73	7.81	7.66
Trace Metals							
Aluminum	EPA 200.7	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Arsenic III	SM 3114C	mg/L	0.001	< 0.001	< 0.001	< 0.001	< 0.001
Beryllium	EPA 200.7	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01
Cadmium	EPA 200.8	mg/L	0.005	< 0.005	< 0.005	< 0.005	< 0.005
Cobalt	EPA 200.7	mg/L	0.01	< 0.01	< 0.01	0.01	< 0.01
Iron	EPA 200.7	mg/L	0.05				5.03
Lead	EPA 200.7	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05
Manganese	EPA 200.7	mg/L	0.01	3.23	3.17	6.96	4.76
Molybdenum	EPA 200.7	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nickel	EPA 200.7	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05
Selenium IV	SM 3114C	mg/L	0.001	< 0.001	0.001	< 0.001	< 0.001
Vanadium	EPA 200.7	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Radiometrics							
Uranium	EPA 200.8	mg/L	0.0003	0.0452	0.0388	0.0255	0.0231
Radium 226	EPA 903.0	pCi/L	0.2	< 0.2	< 0.2	< 0.2	< 0.2
Radium Error Estimate ±							
Radium 228	EPA 904.0	pCi/L	1.0	< 1.0	< 1.0	1.6	< 1.0
Radium Error Estimate ±						0.2	
Thorium 230	EPA 907.0	pCi/L	0.2	< 0.2	< 0.2	< 0.2	< 0.2
Thorium Error Estimate ±							
Lead 210	NERHL-65-4	pCi/L	1.0	< 1.0	< 1.0	5.0	< 1.0
Lead Error Estimate ±						2.2	
Gross Alpha	EPA 900.0	pCi/L	1.0	< 1.0	< 1.0	< 1.0	< 1.0
G. Alpha Error Estimate ±							
Trace Organics							
Chloroform	EPA 601	µg/L	1.0	< 1.0	< 1.0	< 1.0	< 1.0

Quality Assurance Data		Target Range				
Anion	meq		75.3	64.8	64.1	60.7
Cation	meq		77.0	69.7	66.5	68.5
SM A/C Balance	%	-5 - +5	1.13	3.69	1.89	6.01
Calc TDS	mg/L		4563	3961	3859	3727
TDS A/C Balance	dec. %	0.80 - 1.20	1.08	1.19	1.15	1.19

UNC MINING AND MILLING: CHURCHROCK OPERATIONS
GROUNDWATER MONITORING PROGRAM: SOUTHWEST ALLUVIUM MONITOR WELLS

WELL ID:	EPA 23	EPA 23	EPA-23(DUP.)	EPA-23(DUP)
LABORATORY ID:	99-33757-004	30268-4	00-32684-8	00-34507-6
SAMPLE DATE/TIME:	10-12-99 @ 13:53	01-11-00 @ 10:50	05/09/00 00:00	07/17/00 13:35
DATE RECEIVED:			5/12/00	7/20/00
REPORT DATE:	November 29, 1999	February 18, 2000	June 21, 2000	August 21, 2000
QUARTER REPRESENTED:	Fourth '99	First 2000	Second 2000	Third 2000
UNC SUBMITTAL #:	TE-8-10-99	TE-2-1-2000	TE-4-5-2000	TE-7-7-2000

Major Ions	Method	Units	Reporting Limit	Results	Results	Results	Results
Calcium	EPA 200.7	mg/L	0.05	687	624	600	630
Magnesium	EPA 200.7	mg/L	0.01	424	379	365	377
Sodium	EPA 200.7	mg/L	0.05	152	144	125	120
Potassium	EPA 200.7	mg/L	0.10	10.2	11.2	9.60	9.64
Bicarbonate	SM 2320-B	mg/L	0.10	1240	1190	1050	1050
Sulfate	EPA 200.7	mg/L	1.0	2270	1840	2150	2030
Chloride	EPA 200.7	mg/L	1.0	111	92.6	70.0	68.9
Ammonium as N	SM 4500-NH_3-G	mg/L	0.05	3.61	3.11	0.99	1.03
Nitrate + Nitrite as N	EPA 353.2	mg/L	0.10	63.4	60.5	1.38	1.54
Non-Metals							
Total Dissolved Solids	SM 2540-C	mg/L	1.0	4910	4730	4430	4450
pH	SM 4500-H-B	std. units	0.10	7.69	7.73	7.81	7.55
Trace Metals							
Aluminum	EPA 200.7	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Arsenic III	SM 3114C	mg/L	0.001	< 0.001	< 0.001	< 0.001	< 0.001
Beryllium	EPA 200.7	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01
Cadmium	EPA 200.8	mg/L	0.005	< 0.005	< 0.005	< 0.005	< 0.005
Cobalt	EPA 200.7	mg/L	0.01	< 0.01	< 0.01	0.01	< 0.01
Iron	EPA 200.7	mg/L	0.05				8.91
Lead	EPA 200.7	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05
Manganese	EPA 200.7	mg/L	0.01	3.23	3.17	6.96	4.61
Molybdenum	EPA 200.7	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nickel	EPA 200.7	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05
Selenium IV	SM 3114C	mg/L	0.001	< 0.001	0.001	< 0.001	< 0.001
Vanadium	EPA 200.7	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Radiometrics							
Uranium	EPA 200.8	mg/L	0.0003	0.0452	0.0388	0.0255	0.0246
Radium 226	EPA 903.0	pCi/L	0.2	< 0.2	< 0.2	< 0.2	< 0.2
Radium Error Estimate ±							
Radium 228	EPA 904.0	pCi/L	1.0	< 1.0	< 1.0	1.6	< 1.0
Radium Error Estimate ±						0.2	
Thorium 230	EPA 907.0	pCi/L	0.2	< 0.2	< 0.2	< 0.2	< 0.2
Thorium Error Estimate ±							
Lead 210	NERHL-65-4	pCi/L	1.0	< 1.0	< 1.0	5.0	< 1.0
Lead Error Estimate ±						2.2	
Gross Alpha	EPA 900.0	pCi/L	1.0	< 1.0	< 1.0	< 1.0	< 1.0
G. Alpha Error Estimate ±							
Trace Organics							
Chloroform	EPA 601	µg/L	1.0	< 1.0	< 1.0	< 1.0	< 1.0

Quality Assurance Data		Target Range				
Anion	meq		75.3	64.8	64.1	61.6
Cation	meq		77.0	69.7	66.5	68.7
SM A/C Balance	%	-5 - +5	1.13	3.69	1.89	5.49
Calc TDS	mg/L		4563	3961	3859	3773
TDS A/C Balance	dec. %	0.80 - 1.20	1.08	1.19	1.15	1.18

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UNC MINING AND MILLING: CHURCHROCK OPERATIONS
GROUNDWATER MONITORING PROGRAM: SOUTHWEST ALLUVIUM MONITOR WELLS

WELL ID:	EPA 23	EPA 23	EPA 23	EPA-23(DUP.)
LABORATORY ID:	99-35982	99-33757-004	30268-4	00-32684-8
SAMPLE DATE/TIME:	07-20-99	10-12-99 @ 13:53	01-11-00 @ 10:50	05/09/00 00:00
DATE RECEIVED:				05/12/2000
REPORT DATE:	August 26, 1999	November 29, 1999	February 18, 2000	June 21, 2000
QUARTER REPRESENTED:	Third '99	Fourth '99	First 2000	Second 2000
UNC SUBMITTAL #:	TE-6-7-99	TE-8-10-99	TE-2-1-2000	TE-4-5-2000

Major Ions	Method	Units	Reporting Limit	Results	Results	Results	Results
Calcium	EPA 200.7	mg/L	0.05	690	687	624	600
Magnesium	EPA 200.7	mg/L	0.01	402	424	379	365
Sodium	EPA 200.7	mg/L	0.05	134	152	144	125
Potassium	EPA 200.7	mg/L	0.10	12.0	10.2	11.2	9.60
Bicarbonate	SM 2320-B	mg/L	0.10	1120	1240	1190	1050
Sulfate	EPA 200.7	mg/L	1.0	2300	2270	1840	2150
Chloride	EPA 200.7	mg/L	1.0	86.0	111	92.6	70.0
Ammonium as N	SM 4500-NH_3-G	mg/L	0.05	2.65	3.61	3.11	0.99
Nitrate + Nitrite as N	EPA 353.2	mg/L	0.10	56.5	63.4	60.5	1.38
Non-Metals							
Total Dissolved Solids	SM 2540-C	mg/L	1.0	4640	4910	4730	4430
pH	SM 4500-H-B	std. units	0.10	7.67	7.69	7.73	7.81
Trace Metals							
Aluminum	EPA 200.8	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10
rsenic III	SM 3114C	mg/L	0.001	< 0.001	< 0.001	< 0.001	< 0.001
Beryllium	EPA 200.8	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01
Cadmium	EPA 200.8	mg/L	0.005	< 0.005	< 0.005	< 0.005	< 0.005
Cobalt	EPA 200.8	mg/L	0.01	< 0.01	< 0.01	< 0.01	0.01
Lead	EPA 200.8	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05
Manganese	EPA 200.8	mg/L	0.01	2.33	3.23	3.17	6.96
Molybdenum	EPA 200.8	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nickel	EPA 200.8	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05
Selenium IV	SM 3114C	mg/L	0.001	< 0.001	< 0.001	0.001	< 0.001
Vanadium	EPA 200.8	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Radiometrics							
Uranium	EPA 200.8	mg/L	0.0003	0.0286	0.0452	0.0388	0.0255
Radium 226	EPA 903.0	pCi/L	0.2	< 0.2	< 0.2	< 0.2	< 0.2
Radium Error Estimate ±							
Radium 228	EPA 904.0	pCi/L	1.0	< 1.0	< 1.0	< 1.0	1.6
Radium Error Estimate ±							0.2
Thorium 230	EPA 907.0	pCi/L	0.2	< 0.2	< 0.2	< 0.2	< 0.2
Thorium Error Estimate ±							
Lead 210	NERHL-65-4	pCi/L	1.0	< 1.0	< 1.0	< 1.0	5.0
Lead Error Estimate ±							2.2
Gross Alpha	EPA 900.1	pCi/L	1.0	< 1.0	< 1.0	< 1.0	< 1.0
G. Alpha Error Estimate ±							
Trace Organics							
Chloroform	EPA 601	µg/L	1.0	< 1.0	< 1.0	< 1.0	< 1.0

Quality Assurance Data		Target Range				
Anion	meq		72.7	75.3	64.8	64.1
Cation	meq		74.5	77.0	69.7	66.5
SM A/C Balance	%	-5 - +5	1.17	1.13	3.69	1.89
Calc TDS	mg/L		4440	4563	3961	3859
DS A/C Balance	dec. %	0.80 - 1.20	1.05	1.08	1.19	1.15

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COMPLETE ANALYTICAL SERVICES

UNC MINING AND MILLING: CHURCHROCK OPERATIONS
GROUNDWATER MONITORING PROGRAM: SOUTHWEST ALLUVIUM MONITOR WELLS

WELL ID:	EPA 25	EPA 25	EPA-25	EPA-25
LABORATORY ID:	99-33757-005	30268-5	00-32684-6	00-34507-8
SAMPLE DATE/TIME:	10-12-99 @ 15:16	01-11-00 @ 12:50	05/09/00 00:00	07/18/00 08:30
DATE RECEIVED:			5/12/00	7/20/00
REPORT DATE:	November 29, 1999	February 18, 2000	June 21, 2000	August 21, 2000
QUARTER REPRESENTED:	Fourth '99	First 2000	Second 2000	Third 2000
UNC SUBMITTAL #:	TE-8-10-99	TE-2-1-2000	TE-4-5-2000	TE-7-7-2000

Major Ions	Method	Units	Reporting Limit	Results	Results	Results	Results
Calcium	EPA 200.7	mg/L	0.05	736	752	691	682
Magnesium	EPA 200.7	mg/L	0.01	201	206	214	219
Sodium	EPA 200.7	mg/L	0.05	139	139	160	157
Potassium	EPA 200.7	mg/L	0.10	8.0	9.2	8.20	7.54
Bicarbonate	SM 2320-B	mg/L	0.10	959	934	813	778
Sulfate	EPA 200.7	mg/L	1.0	1520	1500	1670	1600
Chloride	EPA 200.7	mg/L	1.0	87.7	79.6	75.3	67.7
Ammonium as N	SM 4500-NH_3-G	mg/L	0.05	0.06	< 0.05	< 0.05	< 0.05
Nitrate + Nitrite as N	EPA 353.2	mg/L	0.10	85.7	90.8	105	112

Non-Metals							
Total Dissolved Solids	SM 2540-C	mg/L	1.0	4090	4060	4030	4120
pH	SM 4500-H-B	std. units	0.10	7.75	7.97	7.77	7.70

Trace Metals							
Aluminum	EPA 200.7	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Arsenic III	SM 3114C	mg/L	0.001	< 0.001	< 0.001	< 0.001	< 0.001
Beryllium	EPA 200.7	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01
Cadmium	EPA 200.8	mg/L	0.005	< 0.005	< 0.005	< 0.005	< 0.005
Cobalt	EPA 200.7	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01
Iron	EPA 200.7	mg/L	0.05				< 0.05
Lead	EPA 200.7	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05
Manganese	EPA 200.7	mg/L	0.01	0.33	0.30	0.96	0.96
Molybdenum	EPA 200.7	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nickel	EPA 200.7	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05
Selenium IV	SM 3114C	mg/L	0.001	< 0.001	0.001	< 0.001	< 0.001
Vanadium	EPA 200.7	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10

Radiometrics							
Uranium	EPA 200.8	mg/L	0.0003	0.104	0.0928	0.0935	0.0865
Radium 226	EPA 903.0	pCi/L	0.2	< 0.2	0.5	< 0.2	< 0.2
Radium Error Estimate ±					0.2		
Radium 228	EPA 904.0	pCi/L	1.0	< 1.0	< 1.0	2.9	2.0
Radium Error Estimate ±						0.2	0.1
Thorium 230	EPA 907.0	pCi/L	0.2	< 0.2	0.7	< 0.2	< 0.2
Thorium Error Estimate ±					0.4		
Lead 210	NERHL-65-4	pCi/L	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Lead Error Estimate ±							
Gross Alpha	EPA 900.0	pCi/L	1.0	< 1.0	< 1.0	< 1.0	< 1.0
G. Alpha Error Estimate ±							

Trace Organics							
Chloroform	EPA 601	µg/L	1.0	< 1.0	< 1.0	< 1.0	< 1.0

Quality Assurance Data		Target Range				
Anion	meq		56.0	55.3	57.7	56.0
Cation	meq		59.8	61.1	59.6	59.4
SM A/C Balance	%	-5 - +5	3.33	4.97	1.59	2.97
Calc TDS	mg/L		3551	3555	3691	3619
TDS A/C Balance	dec. %	0.80 - 1.20	1.15	1.14	1.09	1.14

UNC MINING AND MILLING: CHURCHROCK OPERATIONS
GROUNDWATER MONITORING PROGRAM: SOUTHWEST ALLUVIUM MONITOR WELLS

WELL ID:	627	627	627	627
LABORATORY ID:	99-33595-008	30143-8	00-32684-9	00-34507-9
SAMPLE DATE/TIME:	10-05-99 @ 12:36	01-04-00 @ 14:45	05/10/00 00:00	07/18/00 09:30
DATE RECEIVED:			5/12/00	7/20/00
REPORT DATE:	November 16, 1999	February 22, 2000	June 21, 2000	August 21, 2000
QUARTER REPRESENTED:	Fourth '99	First 2000	Second 2000	Third 2000
UNC SUBMITTAL #:	TE-7-10-99	TE-1-1-2000	TE-4-5-2000	TE-7-7-2000

Major Ions	Method	Units	Reporting Limit	Results	Results	Results	Results
Calcium	EPA 200.7	mg/L	0.05	521	530	535	567
Magnesium	EPA 200.7	mg/L	0.01	274	283	278	292
Sodium	EPA 200.7	mg/L	0.05	512	425	501	502
Potassium	EPA 200.7	mg/L	0.10	5.1	7.3	4.10	4.32
Bicarbonate	SM 2320-B	mg/L	0.10	594	597	588	590
Sulfate	EPA 200.7	mg/L	1.0	2320	2430	2370	2390
Chloride	EPA 200.7	mg/L	1.0	58.5	57.2	55.3	53.3
Ammonium as N	SM 4500-NH_3-G	mg/L	0.05	0.38	0.14	< 0.05	< 0.05
Nitrate - Nitrite as N	EPA 353.2	mg/L	0.10	127	144	144	149
Non-Metals							
Total Dissolved Solids	SM 2540-C	mg/L	1.0	5320	5150	5200	5320
pH	SM 4500-H-B	std. units	0.10	7.70	8.10	7.65	7.91
Trace Metals							
Aluminum	EPA 200.7	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Arsenic III	SM 3114C	mg/L	0.001	< 0.001	< 0.001	< 0.001	< 0.001
Beryllium	EPA 200.7	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01
Cadmium	EPA 200.8	mg/L	0.005	< 0.005	< 0.005	< 0.005	< 0.005
Cobalt	EPA 200.7	mg/L	0.01	< 0.01	0.06	< 0.01	< 0.01
Iron	EPA 200.7	mg/L	0.05				< 0.05
Lead	EPA 200.7	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05
Manganese	EPA 200.7	mg/L	0.01	0.73	0.86	0.10	0.11
Molybdenum	EPA 200.7	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nickel	EPA 200.7	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05
Selenium IV	SM 3114C	mg/L	0.001	0.002	0.003	< 0.001	< 0.001
Vanadium	EPA 200.7	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Radiometrics							
Uranium	EPA 200.8	mg/L	0.0003	0.0247	0.0233	0.0259	< 0.0003
Radium 226	EPA 903.0	pCi/L	0.2	1.3	4.1	0.4	0.6
Radium Error Estimate ±				0.2	0.3	0.2	0.2
Radium 228	EPA 904.0	pCi/L	1.0	< 1.0	2.0	6.3	2.5
Radium Error Estimate ±					0.2	0.2	0.1
Thorium 230	EPA 907.0	pCi/L	0.2	< 0.2	< 0.2	< 0.2	< 0.2
Thorium Error Estimate ±							
Lead 210	NERHL-65-4	pCi/L	1.0	< 1.0	< 1.0	5.7	< 1.0
Lead Error Estimate ±						2.2	
Gross Alpha	EPA 900.0	pCi/L	1.0	< 1.0	5.5	< 1.0	< 1.0
G. Alpha Error Estimate ±					0.7		
Trace Organics							
Chloroform	EPA 601	µg/L	1.0	< 1.0	< 1.0	< 1.0	< 1.0

Quality Assurance Data		Target Range				
Anion	meq		68.8	72.3	70.9	71.6
Cation	meq		71.4	68.8	71.8	74.6
SM A/C Balance	%	-5 - +5	1.83	-2.48	0.67	2.07
Calc TDS	mg/L		4551	4670	4675	4764
TDS A/C Balance	dec. %	0.80 - 1.20	1.17	1.10	1.11	1.12

UNC MINING AND MILLING: CHURCHROCK OPERATIONS
GROUNDWATER MONITORING PROGRAM: SOUTHWEST ALLUVIUM MONITOR WELLS

WELL ID:	EPA 28	EPA 28	EPA-28	EPA-28
LABORATORY ID:	99-33757-003	30268-3	00-32684-4	00-34507-3
SAMPLE DATE/TIME:	10-12-99 @ 13:38	01-11-00 @ 10:35	05/09/00 00:00	07/17/00 10:05
DATE RECEIVED:			5/12/00	7/20/00
REPORT DATE:	November 29, 1999	February 18, 2000	June 21, 2000	August 21, 2000
QUARTER REPRESENTED:	Fourth '99	First 2000	Second 2000	Third 2000
UNC SUBMITTAL #:	TE-8-10-99	TE-2-1-2000	TE-4-5-2000	TE-7-7-2000

Major Ions	Method	Units	Reporting Limit	Results	Results	Results	Results
Calcium	EPA 200.7	mg/L	0.05	532	498	503	534
Magnesium	EPA 200.7	mg/L	0.01	518	514	477	499
Sodium	EPA 200.7	mg/L	0.05	190	192	201	195
Potassium	EPA 200.7	mg/L	0.10	11.3	12.8	11.3	11.4
Bicarbonate	SM 2320-B	mg/L	0.10	542	534	635	636
Sulfate	EPA 200.7	mg/L	1.0	2930	2820	2600	2570
Chloride	EPA 200.7	mg/L	1.0	108	99.6	115	119
Ammonium as N	SM 4500-NH_3-G	mg/L	0.05	< 0.05	0.05	< 0.05	< 0.05
Nitrate + Nitrite as N	EPA 353.2	mg/L	0.10	40.4	39.1	49.5	46.1
Non-Metals							
Total Dissolved Solids	SM 2540-C	mg/L	1.0	5210	5280	5080	5190
pH	SM 4500-H-B	std. units	0.10	7.98	8.07	7.77	7.70
Trace Metals							
Aluminum	EPA 200.7	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Arsenic III	SM 3114C	mg/L	0.001	< 0.001	< 0.001	< 0.001	< 0.001
Beryllium	EPA 200.7	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01
Cadmium	EPA 200.8	mg/L	0.005	< 0.005	< 0.005	< 0.005	< 0.005
Cobalt	EPA 200.7	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01
Iron	EPA 200.7	mg/L	0.05				< 0.05
Lead	EPA 200.7	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05
Manganese	EPA 200.7	mg/L	0.01	0.17	0.31	0.50	0.39
Molybdenum	EPA 200.7	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nickel	EPA 200.7	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05
Selenium IV	SM 3114C	mg/L	0.001	< 0.001	0.001	< 0.001	< 0.001
Vanadium	EPA 200.7	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Radiometrics							
Uranium	EPA 200.8	mg/L	0.0003	0.0300	0.0256	0.0445	0.0375
Radium 226	EPA 903.0	pCi/L	0.2	0.7	1.8	0.5	< 0.2
Radium Error Estimate ±				0.2	0.2	0.2	
Radium 228	EPA 904.0	pCi/L	1.0	< 1.0	3.4	2.0	1.8
Radium Error Estimate ±					0.2	0.2	0.1
Thorium 230	EPA 907.0	pCi/L	0.2	< 0.2	< 0.2	< 0.2	< 0.2
Thorium Error Estimate ±							
Lead 210	NERHL-65-4	pCi/L	1.0	< 1.0	< 1.0	14.2	< 1.0
Lead Error Estimate ±						2.5	
Gross Alpha	EPA 900.0	pCi/L	1.0	< 1.0	3.0	< 1.0	< 1.0
G. Alpha Error Estimate ±					1.1		
Trace Organics							
Chloroform	EPA 601	µg/L	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Quality Assurance Data			**Target Range**				
Anion		meq		75.9	73.1	71.3	70.6
Cation		meq		78.3	76.4	74.0	77.1
SM A/C Balance		%	-5 - +5	1.61	2.23	1.80	4.39
Calc TDS		mg/L		4740	4577	4444	4451
TDS A/C Balance		dec. %	0.80 - 1.20	1.10	1.15	1.14	1.17

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UNC MINING AND MILLING: CHURCHROCK OPERATIONS
GROUNDWATER MONITORING PROGRAM: SOUTHWEST ALLUVIUM MONITOR WELLS

WELL ID:	801	801	801
LABORATORY ID:	99-35979	99-33595-004	30143-5
SAMPLE DATE:	07-20-99	10-05-99 @ 14:15	01-04-00 @ 13:48
REPORT DATE:	August 26, 1999	November 16, 1999	February 18, 2000
QUARTER REPRESENTED:	Third '99	Fourth '99	First 2000
UNC SUBMITTAL #:	TE-6-7-99	TE-7-10-99	TE-1-1-2000

Major Ions	Method	Units	Reporting Limit	Results	Results	Results
Calcium	EPA 200.7	mg/L	0.05	545	594	539
Magnesium	EPA 200.7	mg/L	0.01	932	936	1010
Sodium	EPA 200.7	mg/L	0.05	414	352	307
Potassium	EPA 200.7	mg/L	0.10	15.5	14.7	16.1
Bicarbonate	SM 2320 B.	mg/L	0.10	1420	1450	1400
Sulfate	EPA 200.7	mg/L	1.0	4240	4300	4670
Chloride	EPA 200.7	mg/L	1.0	220	227	205
Ammonium as N	SM 4500-NH_3 G.	mg/L	0.05	19.7	16.2	20.2
Nitrate + Nitrite as N	EPA 353.2	mg/L	0.10	5.51	25.1	11.9
Non-Metals						
Total Dissolved Solids @ 180°C	SM 2540 C. Mod.	mg/L	1.0	7950	7500	8450
pH	SM 4500-H B.	std. units	0.10	7.63	7.53	7.94
Trace Metals						
Aluminum	EPA 200.8	mg/L	0.10	< 0.10	< 0.10	< 0.10
Arsenic III	SM 3114C	mg/L	0.001	< 0.001	< 0.001	< 0.001
Beryllium	EPA 200.8	mg/L	0.01	< 0.01	< 0.01	< 0.01
Cadmium	EPA 200.8	mg/L	0.005	< 0.005	0.006	< 0.005
Cobalt	EPA 200.8	mg/L	0.01	0.02	< 0.01	0.01
Lead	EPA 200.8	mg/L	0.05	< 0.05	< 0.05	< 0.05
Manganese	EPA 200.8	mg/L	0.01	12.6	16.1	23.6
Molybdenum	EPA 200.8	mg/L	0.10	< 0.10	< 0.10	< 0.10
Nickel	EPA 200.8	mg/L	0.05	< 0.05	< 0.05	< 0.05
Selenium IV	SM 3114C	mg/L	0.001	< 0.001	< 0.001	0.001
Vanadium	EPA 200.8	mg/L	0.10	< 0.10	< 0.10	< 0.10
Radiometrics						
Uranium	EPA 200.8	mg/L	0.0003	0.0405	0.0527	0.0408
Radium 226	EPA 903.0	pCi/L	0.2	0.9	1.1	0.7
Radium Error Estimate ±				0.2	0.2	0.2
Radium 228	EPA 904.0	pCi/L	1.0	3.7	< 1.0	< 1.0
Radium Error Estimate ±				0.2		
Thorium 230	EPA 907.0	pCi/L	0.2	< 0.2	< 0.2	< 0.2
Thorium Error Estimate ±						
Lead 210	NEHRL-65-4	pCi/L	1.0	< 1.0	< 1.0	< 1.0
Lead Error Estimate ±						
Gross Alpha	EPA 900.1	pCi/L	1.0	1.0	1.4	1.3
G. Alpha Error Estimate ±				0.4	0.5	0.4
Trace Organics						
Chloroform	EPA 601	µg/l	1.0	3.5	2.3	2.6

Quality Assurance Data		Target Range			
Anion	meq		118.20	121.54	127
Cation	meq		125.42	125.43	128
WYDEQ A/C Balance	%	-5 - +5	2.96	1.57	0.30
Calc TDS	mg/L		7139	7297	7549
TDS A/C Balance	dec. %	0.80 - 1.20	1.11	1.03	1.12

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UNC MINING AND MILLING: CHURCHROCK OPERATIONS
GROUNDWATER MONITORING PROGRAM: SOUTHWEST ALLUVIUM MONITOR WELLS

WELL ID:	802	802	802	802
LABORATORY ID:	99-35980	99-33757-001	30268-1	32499-1
SAMPLE DATE:	07-20-99	10-12-99 @ 08:50	01-11-00 @ 08:40	05-02-00
REPORT DATE:	August 26, 1999	November 29, 1999	February 18, 2000	May 28, 2000
QUARTER REPRESENTED:	Third '99	Fourth '99	First 2000	Second 2000
UNC SUBMITTAL #:	TE-6-7-99	TE-8-10-99	TE-2-1-2000	TE-3-5-2000

Major Ions	Method	Units	Reporting Limit	Results	Results	Results	Results
Calcium	EPA 200.7	mg/L	0.05	760	703	732	651
Magnesium	EPA 200.7	mg/L	0.01	743	695	734	643
Sodium	EPA 200.7	mg/L	0.05	370	311	298	290
Potassium	EPA 200.7	mg/L	0.10	9.8	6.4	9.5	9.1
Bicarbonate	SM 2320 B.	mg/L	0.10	2120	2120	2100	2047
Sulfate	EPA 200.7	mg/L	1.0	3160	2920	3120	2920
Chloride	EPA 200.7	mg/L	1.0	207	194	195	174
Ammonium as N	SM 4500-NH_3 G.	mg/L	0.05	1.18	1.09	1.06	1.24
Nitrate + Nitrite as N	EPA 353.2	mg/L	0.10	76.2	76.9	119	81.2
Non-Metals							
Total Dissolved Solids @ 180°C	SM 2540 C. Mod.	mg/L	1.0	7350	7360	7350	7170
pH	SM 4500-H B.	std. units	0.10	7.58	7.66	7.73	7.55
Trace Metals							
Aluminum	EPA 200.8	mg/L	0.10	< 0.10	< 0.10	0.12	0.10
Arsenic III	SM 3114C	mg/L	0.001	< 0.001	< 0.001	< 0.001	< 0.001
Beryllium	EPA 200.8	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01
Cadmium	EPA 200.8	mg/L	0.005	< 0.005	< 0.005	< 0.005	< 0.005
Cobalt	EPA 200.8	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01
Lead	EPA 200.8	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05
Manganese	EPA 200.8	mg/L	0.01	1.13	1.37	1.83	2.27
Molybdenum	EPA 200.8	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nickel	EPA 200.8	mg/L	0.05	< 0.05	< 0.05	0.05	< 0.05
Selenium IV	SM 3114C	mg/L	0.001	< 0.001	< 0.001	0.001	0.001
Vanadium	EPA 200.8	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Radiometrics							
Uranium	EPA 200.8	mg/L	0.0003	0.196	0.203	0.180	0.193
Radium 226	EPA 903.0	pCi/L	0.2	0.5	< 0.2	< 0.2	< 0.2
Radium Error Estimate ±				0.2			
Radium 228	EPA 904.0	pCi/L	1.0	< 1.0	< 1.0	< 1.0	2.1
Radium Error Estimate ±							0.1
Thorium 230	EPA 907.0	pCi/L	0.2	< 0.2	< 0.2	< 0.2	< 0.2
Thorium Error Estimate ±							
Lead 210	NEHRL-65-4	pCi/L	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Lead Error Estimate ±							
Gross Alpha	EPA 900.1	pCi/L	1.0	1.0	< 1.0	< 1.0	< 1.0
Gross Alpha Error Estimate ±				0.4			
Trace Organics							
Chloroform	EPA 601	µg/l	1.0	1.4	1.4	1.6	1.5

Quality Assurance Data		Target Range				
Anion	meq		111.86	106.55	113.42	105.09
Cation	meq		116.41	106.92	111.16	99.20
WYDEQ A/C Balance	%	-5 - +5	1.99	0.17	-1.01	-2.88
Calc TDS	mg/L		6650	6233	6669	6074
TDS A/C Balance	dec. %	0.80 - 1.20	1.11	1.18	1.10	1.18

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UNC MINING AND MILLING: CHURCHROCK OPERATIONS
GROUNDWATER MONITORING PROGRAM: SOUTHWEST ALLUVIUM MONITOR WELLS

WELL ID:	**802**
LABORATORY ID:	**00-34352-3**
SAMPLE DATE/TIME:	**07-12-00 10:30**
DATE RECEIVED:	**07-14-00**
REPORT DATE:	**August 21, 2000**
QUARTER REPRESENTED:	**Third 2000**
UNC SUBMITTAL #:	**TE-6-7-2000**

Major Ions	Method	Units	Reporting Limit	Results
Calcium	EPA 200.7	mg/L	0.05	699
Magnesium	EPA 200.7	mg/L	0.01	700
Sodium	EPA 200.7	mg/L	0.05	297
Potassium	EPA 200.7	mg/L	0.10	12.1
Bicarbonate	SM 2320-B	mg/L	0.10	2020
Sulfate	EPA 200.7	mg/L	1.0	2870
Chloride	EPA 200.7	mg/L	1.0	174
Ammonium as N	SM 4500-NH_3-G	mg/L	0.05	0.91
Nitrate + Nitrite as N	EPA 353.2	mg/L	0.10	42.0

Non-Metals				
Total Dissolved Solids	SM 2540-C	mg/L	1.0	7030
pH	SM 4500-H-B	std. units	0.10	7.33

Trace Metals				
Aluminum	EPA 200.7	mg/L	0.10	< 0.10
Arsenic III	SM 3114C	mg/L	0.001	< 0.001
Beryllium	EPA 200.7	mg/L	0.01	< 0.01
Cadmium	EPA 200.8	mg/L	0.005	< 0.005
Cobalt	EPA 200.7	mg/L	0.01	< 0.01
Iron	EPA 200.7	mg/L	0.03	0.45
Lead	EPA 200.7	mg/L	0.05	< 0.05
Manganese	EPA 200.7	mg/L	0.01	1.52
Molybdenum	EPA 200.7	mg/L	0.10	< 0.10
Nickel	EPA 200.7	mg/L	0.05	< 0.05
Selenium IV	SM 3114C	mg/L	0.001	< 0.001
Vanadium	EPA 200.7	mg/L	0.10	< 0.10

Radiometrics				
Uranium	EPA 200.8	mg/L	0.0003	0.0980
Radium 226	EPA 903.0	pCi/L	0.2	< 0.2
Radium Error Estimate ±				
Radium 228	EPA 904.0	pCi/L	1.0	< 1.0
Radium Error Estimate ±				
Thorium 230	EPA 907.0	pCi/L	0.2	< 0.2
Thorium Error Estimate ±				
Lead 210	NERHL-65-4	pCi/L	1.0	< 1.0
Lead Error Estimate ±				
Gross Alpha	EPA 900.0	pCi/L	1.0	< 1.0
G. Alpha Error Estimate ±				

Trace Organics				
Chloroform	EPA 601	µg/L	1.0	< 1.0

Quality Assurance Data		Target Range	
Anion	meq		101
Cation	meq		107
SM A/C Balance	%	-5 - +5	2.82
Calc TDS	mg/L		5951
TDS A/C Balance	dec. %	0.80 - 1.20	1.18

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UNC MINING AND MILLING: CHURCHROCK OPERATIONS
GROUNDWATER MONITORING PROGRAM: SOUTHWEST ALLUVIUM MONITOR WELLS

WELL ID:	803	803	803	803
LABORATORY ID:	99-24821	99-33757-002	30268-2	32499-2
SAMPLE DATE:	04-13-99	10-12-99 @ 09:00	01-11-00 @ 08:45	05-02-00
REPORT DATE:	May 16, 1999	November 29, 1999	February 18, 2000	May 28, 2000
QUARTER REPRESENTED:	Second '99	Fourth '99	First 2000	Second 2000
UNC SUBMITTAL #:	TE-4-4-99	TE-8-10-99	TE-2-1-2000	TE-3-5-2000

Major Ions	Method	Units	Reporting Limit	Results	Results	Results	Results
Calcium	EPA 200.7	mg/L	0.05	801	731	750	670
Magnesium	EPA 200.7	mg/L	0.01	692	671	693	637
Sodium	EPA 200.7	mg/L	0.05	280	260	262	256
Potassium	EPA 200.7	mg/L	0.10	11.5	11.5	14.4	13.5
Bicarbonate	SM 2320 B	mg/L	0.10	1960	2000	2000	2000
Sulfate	EPA 200.7	mg/L	1.0	3100	3040	3180	3030
Chloride	EPA 200.7	mg/L	1.0	178	175	176	161
Ammonium as N	SM 4500-NH_3 G.	mg/L	0.05	0.77	0.78	0.80	0.86
Nitrate + Nitrite as N	EPA 353.2	mg/L	0.10	40.9	37.5	35.7	42.8
Non-Metals							
Total Dissolved Solids @ 180°C	SM 2540 C. Mod.	mg/L	1.0	6910	6990	7020	7050
pH	SM 4500-H B.	std. units	0.10	7.65	7.78	7.66	7.58
Trace Metals							
Aluminum	EPA 200.8	mg/L	0.10	< 0.10	< 0.10	0.12	0.10
Arsenic III	SM 3114C	mg/L	0.001	< 0.001	< 0.001	< 0.001	< 0.001
Beryllium	EPA 200.8	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01
Cadmium	EPA 200.8	mg/L	0.005	< 0.005	< 0.005	< 0.005	< 0.005
Cobalt	EPA 200.8	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01
Lead	EPA 200.8	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05
Manganese	EPA 200.8	mg/L	0.01	1.55	1.62	1.69	2.27
Molybdenum	EPA 200.8	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nickel	EPA 200.8	mg/L	0.05	< 0.05	< 0.05	0.05	< 0.05
Selenium IV	SM 3114C	mg/L	0.001	< 0.001	< 0.001	0.001	< 0.001
Vanadium	EPA 200.8	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Radiometrics							
Uranium	EPA 200.8	mg/L	0.0003	0.0889	0.0919	0.0891	0.193
Radium 226	EPA 903.0	pCi/L	0.2	< 0.2	< 0.2	0.6	0.6
Radium Error Estimate ±						0.3	0.2
Radium 228	EPA 904.0	pCi/L	1.0	< 1.0	< 1.0	< 1.0	2.5
Radium Error Estimate ±							0.1
Thorium 230	EPA 907.0	pCi/L	0.2	< 0.2	< 0.2	< 0.2	< 0.2
Thorium Error Estimate ±							
Lead 210	NEHRL-65-4	pCi/L	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Lead Error Estimate ±							
Gross Alpha	EPA 900.1	pCi/L	1.0	< 1.0	< 1.0	< 1.0	< 1.0
G. Alpha Error Estimate ±							
Trace Organics							
Chloroform	EPA 601	µg/l	1.0	< 1.0	< 1.0	< 1.0	< 1.0

Quality Assurance Data		Target Range				
Anion	meq		104.65	103.73	106.54	103.50
Cation	meq		110.34	104.22	107.17	98.26
WYDEQ A/C Balance	%	-5 - +5	2.64	0.24	0.29	-2.60
Calc TDS	mg/L		6226	6057	6236	5960
TDS A/C Balance	dec. %	0.80 - 1.20	1.11	1.15	1.13	1.18

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UNC MINING AND MILLING: CHURCHROCK OPERATIONS
GROUNDWATER MONITORING PROGRAM: SOUTHWEST ALLUVIUM MONITOR WELLS

WELL ID:	803
LABORATORY ID:	00-34352-4
SAMPLE DATE/TIME:	07-12-00 10:40
DATE RECEIVED:	07-14-00
REPORT DATE:	August 21, 2000
QUARTER REPRESENTED:	Third 2000
UNC SUBMITTAL #:	TE-6-7-2000

Major Ions	Method	Units	Reporting Limit	Results
Calcium	EPA 200.7	mg/L	0.05	712
Magnesium	EPA 200.7	mg/L	0.01	737
Sodium	EPA 200.7	mg/L	0.05	328
Potassium	EPA 200.7	mg/L	0.10	6.76
Bicarbonate	SM 2320-B	mg/L	0.10	2050
Sulfate	EPA 200.7	mg/L	1.0	2890
Chloride	EPA 200.7	mg/L	1.0	184
Ammonium as N	SM 4500-NH_3-G	mg/L	0.05	1.24
Nitrate + Nitrite as N	EPA 353.2	mg/L	0.10	77.5

Non-Metals				
Total Dissolved Solids	SM 2540-C	mg/L	1.0	7250
pH	SM 4500-H-B	std. units	0.10	7.40

Trace Metals				
Aluminum	EPA 200.7	mg/L	0.10	< 0.10
Arsenic III	SM 3114C	mg/L	0.001	< 0.001
Beryllium	EPA 200.7	mg/L	0.01	< 0.01
Cadmium	EPA 200.8	mg/L	0.005	< 0.005
Cobalt	EPA 200.7	mg/L	0.01	< 0.01
Iron	EPA 200.7	mg/L	0.03	< 0.03
Lead	EPA 200.7	mg/L	0.05	< 0.05
Manganese	EPA 200.7	mg/L	0.01	1.95
Molybdenum	EPA 200.7	mg/L	0.10	< 0.10
Nickel	EPA 200.7	mg/L	0.05	< 0.05
Selenium IV	SM 3114C	mg/L	0.001	< 0.001
Vanadium	EPA 200.7	mg/L	0.10	< 0.10

Radiometrics				
Uranium	EPA 200.8	mg/L	0.0003	0.197
Radium 226	EPA 903.0	pCi/L	0.2	0.4
Radium Error Estimate ±				0.2
Radium 228	EPA 904.0	pCi/L	1.0	< 1.0
Radium Error Estimate ±				
Thorium 230	EPA 907.0	pCi/L	0.2	< 0.2
Thorium Error Estimate ±				
Lead 210	NERHL-65-4	pCi/L	1.0	< 1.0
Lead Error Estimate ±				
Gross Alpha	EPA 900.0	pCi/L	1.0	< 1.0
G. Alpha Error Estimate ±				

Trace Organics				
Chloroform	EPA 601	µg/L	1.0	1.7

Quality Assurance Data		Target Range	
Anion	meq		105
Cation	meq		112
SM A/C Balance	%	-5 - +5	3.29
Calc TDS	mg/L		6229
TDS A/C Balance	dec. %	0.80 - 1.20	1.16

APPENDIX C

ZONE 3 MONITORING DATA

APPENDIX C

ZONE 3 MONITORING DATA

Remedial action in Zone 3 has consisted of the operation of the Northeast Pump-Back Wells (Wells 600, 608, 610, 613, and 672) and installation and operation of 12 Stage I Extraction Wells (Wells 701-703 and 705-713) in mid-1989 and 7 Stage II Extraction Wells (Wells 714-720) in mid-1991. Remedial action has been monitored since the third quarter of 1989 by measurement of ground water levels and ground water sampling and analyses at 19 Zone 3 monitoring wells (Wells 106 D, 9D, 517, 518, 504 B, 502 B, 501 B, 420, 411, EPA 18, EPA 17, EPA 15, EPA 14, EPA 13, EPA 12, EPA 11, EPA 9, EPA 3, and EPA 1). Well 126 was added to the monitoring program in the third quarter of 1990 to measure water levels in accordance with the requirements of the Nuclear Regulatory Commission (NRC) and the U.S. Environmental Protection Agency (EPA).

At the end of the 1993 operating year, the extraction and performance monitoring systems for Zone 3 were modified with the approval of the NRC and EPA. Modifications included discontinuing pumping at 10 low-producing extraction wells (Wells 600, 608, 610, 672, 702, 703, 705, 710, 712, and 713) and at two extraction wells that were intercepting background water (Wells 714 and 715). Water levels were measured at seven of these former extraction wells (Wells 608, 702, 703, 710, 712, 714, and 715) during 2000 to augment the existing monitoring system.

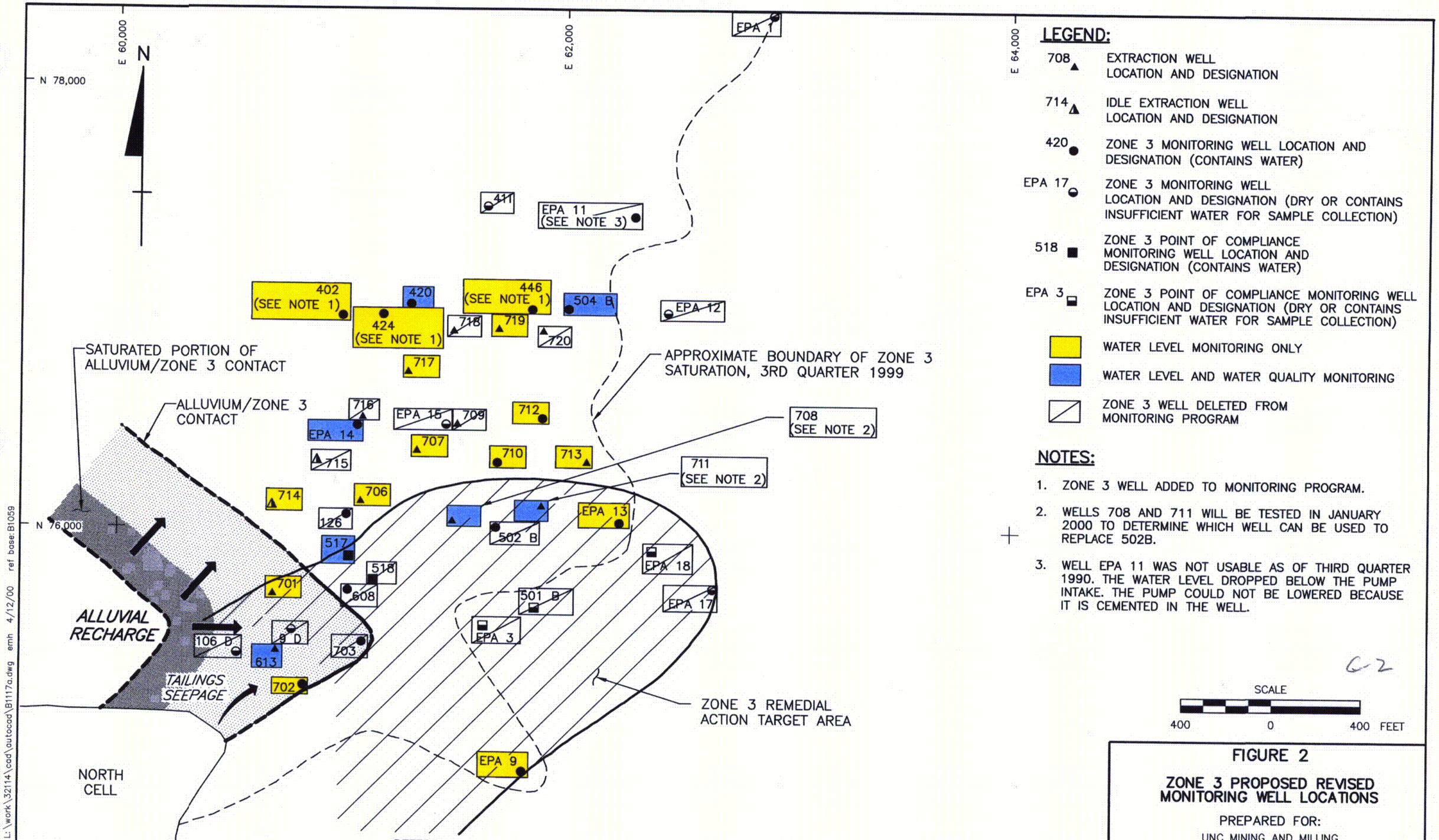
In July 1999, 10 additional low-producing extraction wells (Wells 613, 701, 706, 707, 708, 709, 711, 713, 719, and 720) were decommissioned with approval of the NRC and EPA. Several of these were converted to use as water level and water quality monitoring wells (Wells 613 and 711) or as water-level monitoring wells (713, 701, 706, 707 and 719).

Beginning with the second quarter of 2000, the revised monitoring program was implemented. Changes to the wells included in the monitoring program for the Zone 3 are shown in Table 4 of this report. See the enclosed figure for the current layout of the wells.

Table C.1 presents the quarterly water level and water quality data for the monitoring wells from startup of the Stage I wells in the third quarter of 1989 through the third quarter of 2000. The Zone 3 ground water extraction system and declining recharge from the alluvium have resulted in dewatering a large portion of the Zone 3 Remedial Action Target Area and consequently, many of the monitoring wells have gone dry since 1989. For these

wells, water level and water quality data are presented for the period of time prior to their dewatering. Changes to data reported related to implementing the revised monitoring program are also reflected in Table C.1. The laboratory analytical data for 2000 are presented at the end of this appendix.

FIGURE


N
N 78,000
N 76,000
E 60,000
E 62,000
E 64,000
EPA 1
411
EPA 11
(SEE NOTE 3)
402
(SEE NOTE 1)
420
424
(SEE NOTE 1)
446
(SEE NOTE 1)
504 B
EPA 12
718
719
720
717
SATURATED PORTION OF
ALLUVIUM/ZONE 3 CONTACT
ALLUVIUM/ZONE 3
CONTACT
APPROXIMATE BOUNDARY OF ZONE 3
SATURATION, 3RD QUARTER 1999
716
EPA 14
EPA 15
709
712
707
710
713
715
708
(SEE NOTE 2)
711
(SEE NOTE 2)
714
706
126
517
518
608
701
502 B
EPA 13
EPA 18
501 B
EPA 17
EPA 3
ALLUVIAL
RECHARGE
106 D
9 D
613
703
TAILINGS
SEEPAGE
702
ZONE 3 REMEDIAL
ACTION TARGET AREA
EPA 9
NORTH
CELL
LEGEND:
708 EXTRACTION WELL LOCATION AND DESIGNATION
714 IDLE EXTRACTION WELL LOCATION AND DESIGNATION
420 ZONE 3 MONITORING WELL LOCATION AND DESIGNATION (CONTAINS WATER)
EPA 17 ZONE 3 MONITORING WELL LOCATION AND DESIGNATION (DRY OR CONTAINS INSUFFICIENT WATER FOR SAMPLE COLLECTION)
518 ZONE 3 POINT OF COMPLIANCE MONITORING WELL LOCATION AND DESIGNATION (CONTAINS WATER)
EPA 3 ZONE 3 POINT OF COMPLIANCE MONITORING WELL LOCATION AND DESIGNATION (DRY OR CONTAINS INSUFFICIENT WATER FOR SAMPLE COLLECTION)
WATER LEVEL MONITORING ONLY
WATER LEVEL AND WATER QUALITY MONITORING
ZONE 3 WELL DELETED FROM MONITORING PROGRAM
NOTES:
1. ZONE 3 WELL ADDED TO MONITORING PROGRAM.
2. WELLS 708 AND 711 WILL BE TESTED IN JANUARY 2000 TO DETERMINE WHICH WELL CAN BE USED TO REPLACE 502B.
3. WELL EPA 11 WAS NOT USABLE AS OF THIRD QUARTER 1990. THE WATER LEVEL DROPPED BELOW THE PUMP INTAKE. THE PUMP COULD NOT BE LOWERED BECAUSE IT IS CEMENTED IN THE WELL.
G-2
SCALE
400 0 400 FEET
FIGURE 2
ZONE 3 PROPOSED REVISED MONITORING WELL LOCATIONS
PREPARED FOR:
UNC MINING AND MILLING
GALLUP, NEW MEXICO
EARTH TECH
REFERENCE:
TOPOGRAPHIC MAP OF SEC. 2, T16N, R16W N.M.P.M. & VICINITY PROVIDED BY UNITED NUCLEAR CORPORATION, GALLUP, N.M. DATED: 8-1-96. SCALE: 1" = 400'.
No. DATE ISSUE / REVISION DWN. BY CK'D BY AP'D BY
04/12/00 ISSUED FOR 2ND REVISED MONITORING WELL LETTER/REVISION 2 - PER EPA COMMENTS EMH
FILE NAME L:\work\32114\cad\autocad\B1117a.dwg emh 4/12/00 ref base:B1059

TABLES

TABLE C.1

ZONE 3 DATA SUMMARY
1989 - 2000

General Notes:

1. NRC standard as listed in License Condition 30, Part B.
2. EPA standard as listed in Table 2, "Contaminant-Specific Groundwater ARARs" of the ROD (EPA, 1988).
3. NA - Not applicable.
4. "-" (hyphen) indicates that the concentration is less than the laboratory reporting limits. A hyphen for combined Ra-226 and Ra-228 indicates that at least one of these constituents was less than the laboratory reporting limits, which are 0.2 and 1.0 pCi/L, respectively.
5. All values that exceed the NRC and/or EPA standards are shaded.
6. Gross alpha value excludes contribution from radon and uranium.
7. "*" (Asterisk) indicates a Point of Compliance well.
8. Reporting limit for bicarbonate changed from 0.0 mg/L to 0.1 mg/L in fourth quarter 1997.
9. Reporting limit for cadmium changed from 0.01 mg/L to 0.005 mg/L after fourth quarter 1997. The analytical method changed from EPA 200.7 (ICP) to 200.8 (ICP.MS).

Specific Notes:

Well 502 B was eliminated from the monitoring program as of 2nd quarter 2000 in accordance with the Revised Monitoring Program.
Well 711 was added to the monitoring program to replace Well 502 B.
Well 518 was eliminated from the monitoring program as of 2nd quarter 2000 in accordance with the Revised Monitoring Program.
Well EPA 9 is monitored for water level only beginning in 2nd quarter 2000.
Well EPA 13 is monitored for water level only beginning in 2nd quarter 2000.
Wells 402, 424, 446, 613, 701, 706, 707, 717, and 719 were added as water level monitoring wells as of 2nd quarter 2000.
Well 9 D contained insufficient water for sampling, 4th quarter 1992.
Well 106 D contained insufficient water for sampling, 3rd quarter 1991.
Well 501 B* contained insufficient water for sampling, 4th quarter 1993.
Well EPA 3* contained insufficient water for sampling, 1st quarter 1992.
The water level in EPA-11 fell below the pump inlet after 2nd quarter 1990. The pump is cemented in place and cannot be lowered.
Well EPA 12 contained insufficient water for sampling, 4th quarter 1992.
Well EPA 15 contained insufficient water for sampling, 1st quarter 1996.
Well EPA 17 contained insufficient water for sampling, 3rd quarter 1992.
Well EPA 18 contained insufficient water for sampling, 1st quarter 1995.
Well EPA 1 contained insufficient water for sampling, 1st quarter 1997.
Well 411 contained insufficient water for sampling, 2nd quarter 1998.

TABLE C.1

ZONE 3 DATA SUMMARY
1989 - 2000

Well No.	Date	Water Elevation (ft AMSL)	Field pH (SU)	Lab pH (SU)	Lab TDS (mg/L)	Ca (mg/L)	Mg (mg/L)	Na (mg/L)	K (mg/L)	HCO_3 (mg/L)	SO_4 (mg/L)	Cl (mg/L)	NH_4 as N (mg/L)	NO_3 as N (mg/L)	Chloro-form (mg/L)	Naphtha-lene (mg/L)	Cyanide (mg/L)
	NRC Standard	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.001	0.001	0.005
	EPA Standard	NA	NA	NA	4,800	NA	NA	NA	NA	NA	2,125	250.0	NA	190	NA	NA	NA
0009 D	7/18/89	6910.50	4.6	4.56	7,365	465	963	158	10.7	1.0	5,061	100.0	0.79	2.50	-0.00100	-0.0010	-0.005
0009 D	10/12/89	6908.00	4.4	4.10	8,276	439	1,013	159	13.4	0.0	5,508	108.0	0.87	2.40	-0.00100	-0.0010	-0.005
0009 D	1/4/90	6902.30	4.4	4.04	8,330	431	940	160	10.0	0.0	5,597	94.4	0.60	0.55	-0.00100	-0.0010	-0.005
0009 D	4/10/90	6910.00	4.4	4.41	7,222	447	856	160	9.1	0.0	4,688	99.1	1.08	6.30	-0.00100	-0.0010	-0.005
0009 D	7/10/90	6904.10	4.4	4.14	8,932	473	1,012	153	9.5	0.0	6,126	101.0	0.37	0.26	-0.00100	-0.0010	-0.005
0009 D	10/9/90	6903.70	4.3	4.21	9,372	435	1,094	172	9.7	0.0	6,551	124.0	0.24	0.10	-0.00100	-0.0010	-0.005
0009 D	1/15/91	6902.30	4.5	4.37	7,769	469	887	159	11.6	0.0	5,383	113.0	0.65	0.12	-0.00100	-0.0010	-0.005
0009 D	4/9/91	6903.70	4.2	4.18	9,518	485	1,106	163	10.7	0.0	6,305	80.2	1.04	0.39	-0.00100	-0.0010	-0.005
0009 D	7/9/91	6899.40	4.3	4.40	8,444	412	883	141	8.9	0.0	5,661	44.1	1.18	0.05	-0.00100	-0.0010	-0.005
0009 D	10/14/91	6899.30	4.1	4.35	8,946	363	717	160	8.3	0.0	5,904	191.0	2.30	-0.01	-0.00100	-0.0010	-0.005
0009 D	1/21/92	6898.60	4.3	4.31	8,112	444	1,028	153	10.2	0.0	5,648	108.0	1.11	1.24	-0.00100	-0.0010	-0.005
0009 D	4/7/92	6897.80	4.3	4.09	8,533	426	767	185	11.5	0.0	5,628	124.0	1.31	-0.10	-0.00100	-0.0010	-0.005
0106 D	7/18/89	6909.10	4.2	4.66	4,068	476	425	113	17.3	2.0	2,928	45.7	1.12	67.00	-0.00100	-0.0010	-0.005
0106 D	10/11/89	6906.80	4.7	4.76	4,182	465	332	113	21.2	6.8	2,582	46.3	0.97	52.00	0.00330	-0.0010	0.005
0106 D	1/4/90	6905.90	4.3	4.37	4,150	466	339	110	16.4	0.0	2,502	47.5	0.86	56.00	0.00230	-0.0010	-0.005
0106 D	4/10/90	6904.20	4.3	4.93	4,180	483	350	110	17.0	6.8	2,452	48.2	1.54	58.00	0.00190	-0.0010	-0.005
0106 D	7/10/90	6903.20	4.6	4.76	4,259	455	332	99.4	15.1	8.5	2,439	44.2	0.14	64.30	0.00280	-0.0010	-0.005
0106 D	10/9/90	6902.30	4.5	4.99	4,256	437	342	113	14.6	9.8	2,536	50.0	0.13	52.00	0.00960	-0.0010	-0.005
0106 D	1/15/91	6902.40	4.8	6.35	4,121	545	383	112	13.3	65.0	2,563	56.0	0.12	57.50	0.01000	-0.0010	-0.005
0106 D	4/9/91	6903.00	5.2	6.69	4,014	591	380	117	11.6	125.0	2,481	55.3	0.10	67.00	0.01770	-0.0010	-0.005
0106 D	7/9/91	6901.90	4.9	5.89	4,247	575	360	99.0	13.7	20.0	2,770	156.0	0.49	44.30	0.00622	-0.0010	-0.005
0411	7/23/89	6866.20	6.2	6.45	2,458	454	125	107	6.4	246.0	1,563	17.9	0.41	0.04	-0.00100	-0.0010	-0.005
0411	10/11/89	6864.90	6.3	6.90	2,628	470	128	110	9.5	243.0	1,688	20.0	0.55	0.09	-0.00100	-0.0010	-0.005
0411	1/3/90	6863.70	6.0	6.50	2,534	440	116	112	6.8	256.0	1,509	19.8	0.39	0.08	-0.00100	-0.0010	-0.005
0411	4/3/90	6862.30	6.0	6.60	2,545	431	117	109	6.6	270.0	1,444	19.7	0.33	0.08	-0.00100	-0.0010	-0.005
0411	7/2/90	6861.20	5.8	6.60	2,602	475	114	102	6.0	267.0	1,483	19.0	0.20	0.08	-0.00100	-0.0010	-0.005
0411	10/2/90	6860.30	6.2	6.85	2,527	406	110	109	6.5	266.0	1,607	20.1	0.11	0.05	-0.00100	-0.0010	-0.005
0411	1/3/91	6859.50	6.2	6.49	2,746	468	126	117	15.7	262.0	1,492	19.4	0.45	0.23	-0.00100	-0.0010	-0.005
0411	4/10/91	6859.20	6.0	7.23	2,600	467	118	111	7.8	277.0	1,453	22.3	0.19	0.05	-0.00100	-0.0010	-0.005
0411	7/16/91	6858.20	6.1	6.63	2,705	419	110	113	6.3	278.0	1,742	22.3	0.38	0.02	-0.00100	-0.0010	-0.005
0411	10/14/91	6855.30	6.0	7.28	2,851	414	99	123	5.8	271.0	1,640	28.6	0.30	0.02	-0.00100	-0.0010	-0.005
0411	1/14/92	6854.70	5.8	7.78	2,939	467	128	119	6.5	255.0	1,765	23.1	0.80	-0.01	-0.00100	-0.0010	-0.005
0411	4/7/92	6854.90	5.9	7.82	3,064	475	144	140	8.4	401.0	1,847	26.1	0.37	-0.10	-0.00100	-0.0010	-0.005
0411	7/7/92	6853.30	5.6	8.09	3,340	473	170	144	9.6	244.0	2,034	28.7	0.49	0.10	-0.00100	-0.0010	-0.005
0411	10/6/92	6850.90	6.0	8.15	3,860	634	239	139	9.2	259.0	2,352	27.4	0.44	6.05	-0.00100	0.0010	-0.005
0411	1/6/93	6851.20	6.0	6.79	3,091	530	208	127	10.6	246.0	2,137	30.4	1.13	4.10	-0.00100	-0.0010	-0.005
0411	4/6/93	6851.30	6.1	6.65	3,306	510	200	140	8.0	245.0	2,257	35.1	0.84	1.80	-0.00100	-0.0010	-0.005
0411	7/16/93	6846.90	6.6	6.25	3,412	586	242	166	12.2	321.0	2,420	39.6	0.68	4.40	-0.00100	-0.0010	-0.005

Refer to page 1 for explanatory notes

TABLE C.1

ZONE 3 DATA SUMMARY
1989 - 2000

Well No.	Date	Al (mg/L)	As (mg/L)	Be (mg/L)	Cd (mg/L)	Co (mg/L)	Pb (mg/L)	Mn (mg/L)	Mo (mg/L)	Ni (mg/L)	Se (mg/L)	V (mg/L)	U (mg/L)	Ra-226+ Ra-228 (pCi/L)	Th-230 (pCi/L)	Pb-210 (pCi/L)	Gross Alpha (pCi/L)
	NRC Standard	NA	0.05	0.05	0.01	NA	0.05	NA	NA	0.05	0.01	0.10	0.3	5.0	5.0	1.0	15.0
	EPA Standard	5.00	0.05	0.017	0.01	0.05	0.05	2.60	1.0	0.2	0.01	0.70	5.0	5.0	NA	NA	15.0
0009 D	7/18/89	43.00	-0.001	-0.050	-0.01	0.65	0.08	14.00	-0.10	0.86	-0.001	-0.10	0.0077	7.3	1.1	4.5	17.6
0009 D	10/12/89	90.00	-0.001	-0.050	-0.01	0.94	0.37	17.00	-0.01	1.20	-0.001	-0.10	0.0180	4.2	0.0	1.5	3.5
0009 D	1/4/90	96.00	-0.001	-0.050	0.01	1.00	0.14	18.00	-0.10	1.40	-0.001	-0.10	0.0120	-5.7	-0.2	6.7	1.9
0009 D	4/10/90	46.00	-0.001	-0.050	0.01	0.75	0.12	15.00	-0.10	0.97	-0.001	-0.10	0.0395	4.9	-0.2	1.5	3.0
0009 D	7/10/90	155.00	-0.001	-0.050	-0.01	0.83	0.13	19.30	-0.10	1.56	-0.001	-0.10	0.0170	10.3	-0.2	-1.0	5.0
0009 D	10/9/90	153.00	-0.001	-0.050	0.02	1.52	0.13	23.00	-0.10	2.13	-0.001	-0.10	0.0157	11.8	-0.2	1.6	4.0
0009 D	1/15/91	50.40	-0.001	0.020	0.01	0.71	0.09	12.80	-0.10	0.88	-0.001	-0.10	0.0065	7.4	-0.2	2.7	6.2
0009 D	4/9/91	115.00	-0.001	-0.050	0.02	0.83	0.13	13.10	-0.10	1.16	-0.001	-0.10	0.0098	13.1	1.2	-1.0	6.0
0009 D	7/9/91	76.60	-0.001	0.020	0.01	0.79	-0.05	17.00	-0.10	1.09	-0.001	-0.10	0.0062	5.4	-0.2	-1.0	3.0
0009 D	10/14/91	128.00	-0.001	-0.010	0.01	1.30	-0.05	22.10	-0.10	1.83	-0.001	-0.10	0.0470	-7.6	-0.2	-1.0	7.0
0009 D	1/21/92	55.10	0.001	0.010	0.02	0.74	0.26	17.10	-0.10	1.07	0.020	-0.10	0.0090	-10.5	-0.2	-1.0	9.3
0009 D	4/7/92	150.00	-0.001	0.040	-0.01	1.24	0.27	22.00	-0.10	1.78	-0.001	-0.10	0.0220	24.1	-0.2	-1.0	15.8
0106 D	7/18/89	8.00	-0.001	-0.050	-0.01	0.15	-0.05	12.00	-0.10	0.26	-0.001	-0.10	0.0029	13.9	4.5	2.2	22.5
0106 D	10/11/89	6.50	-0.001	-0.050	-0.01	0.16	0.06	12.00	0.06	0.25	0.031	-0.10	0.0450	10.6	-0.2	4.7	3.5
0106 D	1/4/90	7.40	-0.001	-0.050	-0.01	0.14	-0.05	12.00	-0.10	0.27	-0.001	-0.10	0.0020	17.7	-0.2	2.8	6.7
0106 D	4/10/90	7.80	-0.001	-0.050	-0.01	0.12	-0.05	12.00	-0.10	0.29	0.001	-0.10	0.0320	11.3	-0.2	-1.0	6.0
0106 D	7/10/90	6.50	-0.001	-0.050	-0.01	0.12	-0.05	12.40	-0.10	0.25	-0.001	-0.10	0.0107	7.3	-0.2	1.9	3.0
0106 D	10/9/90	4.30	-0.001	-0.050	-0.01	0.11	-0.05	11.60	-0.10	0.24	-0.001	-0.10	0.0041	6.9	-0.2	-1.0	2.0
0106 D	1/15/91	0.77	-0.001	-0.010	-0.01	0.07	-0.05	7.70	0.18	0.10	-0.001	-0.10	0.0074	-1.8	-0.2	-1.0	1.1
0106 D	4/9/91	0.29	-0.001	-0.050	-0.01	0.04	-0.05	4.20	0.21	-0.05	-0.001	-0.10	0.0069	9.4	-0.2	-1.0	5.0
0106 D	7/9/91	0.90	-0.001	-0.010	-0.01	0.07	-0.05	7.90	0.20	0.10	0.040	-0.10	0.0085	6.7	-0.2	-1.0	3.0
0411	7/23/89	-0.10	0.020	-0.050	-0.01	0.05	-0.05	2.70	2.00	0.11	-0.001	-0.10	0.0543	13.0	10.2	-1.0	14.6
0411	10/11/89	-0.10	0.031	-0.050	-0.01	0.06	-0.05	3.00	2.50	0.09	-0.001	-0.10	0.0810	-6.4	-0.2	-1.0	6.0
0411	1/3/90	-0.10	0.018	-0.050	-0.01	0.03	-0.05	2.30	1.80	0.07	-0.001	-0.10	0.0550	9.1	-0.2	-1.0	8.2
0411	4/3/90	-0.10	0.018	-0.050	-0.01	0.05	-0.05	2.50	2.40	0.08	-0.001	-0.10	0.0500	7.1	-0.2	-1.0	5.3
0411	7/2/90	-0.10	0.009	-0.050	-0.01	0.04	-0.05	2.44	1.77	0.07	-0.001	-0.10	0.0592	10.3	-0.4	-1.0	5.0
0411	10/2/90	-0.10	0.018	-0.050	-0.01	0.06	-0.05	2.42	1.93	0.06	-0.001	-0.10	0.0490	-7.3	-0.2	1.8	7.5
0411	1/3/91	-0.10	0.029	-0.010	-0.01	0.06	-0.05	2.72	1.95	0.11	-0.001	-0.10	0.1131	10.6	-0.2	-1.0	7.0
0411	4/10/91	-0.10	0.029	-0.010	-0.01	0.05	-0.05	2.01	1.34	0.06	-0.001	-0.10	0.0549	13.0	-0.2	2.6	6.0
0411	7/16/91	-0.10	0.035	-0.010	-0.01	0.04	-0.05	2.37	1.89	-0.05	-0.001	-0.10	0.0400	8.2	-0.2	2.0	5.0
0411	10/14/91	0.23	0.062	-0.010	-0.01	0.06	-0.05	2.92	2.96	0.09	-0.001	-0.10	0.0590	-6.5	-0.2	-1.0	6.0
0411	1/14/92	-0.10	0.088	-0.010	-0.01	0.06	-0.05	2.96	2.73	0.09	0.002	-0.10	0.0390	10.1	-0.2	3.5	5.0
0411	4/7/92	-0.10	0.087	-0.010	-0.01	0.06	-0.05	3.95	3.50	0.05	-0.001	-0.10	0.0650	9.2	-0.2	2.8	4.9
0411	7/7/92	-0.10	0.044	-0.010	-0.01	0.08	-0.05	3.62	4.11	0.08	0.003	-0.10	0.0200	9.5	-0.2	-1.0	6.5
0411	10/6/92	0.20	0.022	-0.010	-0.01	0.09	-0.05	4.41	6.60	0.11	0.003	-0.10	0.1540	13.6	-0.2	-1.0	5.3
0411	1/6/93	-0.10	0.022	-0.010	-0.01	0.09	-0.05	4.65	5.38	0.14	0.004	-0.10	0.1290	12.6	-0.2	2.3	6.9
0411	4/6/93	-0.10	0.011	-0.010	-0.01	0.10	-0.05	5.50	6.41	0.13	-0.001	-0.10	0.2050	16.3	-0.2	-1.0	6.9
0411	7/16/93	0.14	0.017	-0.010	-0.01	0.12	-0.05	4.48	8.50	0.14	-0.001	-0.10	0.1270	8.3	-0.2	1.2	5.2

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TABLE C.1

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Well No.	Date	Water Elevation (ft AMSL)	Field pH (SU)	Lab pH (SU)	Lab TDS (mg/L)	Ca (mg/L)	Mg (mg/L)	Na (mg/L)	K (mg/L)	HCO_3 (mg/L)	SO_4 (mg/L)	Cl (mg/L)	NH_4 as N (mg/L)	NO_3 as N (mg/L)	Chloro-form (mg/L)	Naphtha-lene (mg/L)	Cyanide (mg/L)
	NRC Standard	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.001	0.001	0.005
	EPA Standard	NA	NA	NA	4,800	NA	NA	NA	NA	NA	2,125	250.0	NA	190	NA	NA	NA
0411	10/6/93	6848.00	7.1	6.81	4,026	614	285	149	9.3	340.0	2,591	41.3	0.33	14.30	-0.00100	-0.0010	-0.005
0411	1/5/94	6841.60	6.8	6.69	4,298	557	276	149	9.3	303.0	2,540	45.8	0.55	12.50	-0.00100		
0411	4/14/94	6847.40	7.1	6.51	4,006	620	274	146	9.8	294.0	2,634	42.1	1.06	8.80	-0.00100		
0411	7/21/94	6846.40	6.8	6.79	4,253	645	287	141	9.6	293.0	2,883	38.1	0.43	10.80	-0.00100		
0411	10/5/94	6846.20	6.8	7.36	4,053	636	286	141	9.9	274.0	2,509	36.9	0.99	5.17	-0.00100		
0411	1/10/95	6845.40	6.6	7.65	4,276	675	213	139	11.0	295.0	2,754	40.5	0.71	5.55	-0.00100		
0411	4/11/95	6842.90	6.6	6.35	4,320	645	283	152	9.5	182.0	2,862	50.0	0.64	5.86	-0.00100		
0411	7/11/95	6844.40	6.9	7.67	4,038	605	315	147	9.4	379.0	2,471	49.4	1.40	26.40	-0.00100		
0411	10/3/95	6842.90	6.8	8.06	4,526	645	322	162	9.1	383.0	2,684	47.0	0.46	27.3	-0.00100		
0411	1/4/96	6845.40	7.1	6.69	4,445	630	310	173	9.5	382.0	2,655	45.3	0.06	29.2	-0.00100		
0411	4/2/96	6844.50	7.0	7.67	4,338	604	300	146	9.8	366.0	2,666	40.0	0.20	8.92	-0.00100		
0411	7/17/96	6844.10	7.0	6.80	4,459	580	290	168	10.1	410.0	2,730	52.1	0.25	28.1	-0.00100		
0411	10/8/96	6844.20	6.9	7.61	4,370	611	318	151	10.1	429.0	2,542	45.6	0.30	45.4	-0.00100		
0411	1/28/97	6844.30	6.8	7.83	4,350	610	315	144	10.1	468.0	2,726	56.0	0.63	13.2	-0.00100		
0411	4/15/97	6844.20	7.1	7.77	4,470	671	358	159	10.7	451.0	2,610	51.0	0.22	29.1	-0.00100		
0411	7/15/97	6844.10	6.9	7.83	4,510	659	342	159	9.6	437.0	2,750	54.8	0.20	33.9	-0.00100		
0411	10/15/97	6844.00	6.8	7.93	4,490	685	350	154	10.2	433.0	2,620	62.3	0.32	30.3	-0.00100		
0411	1/20/98	6844.00	6.7	7.95	4,390	634	323	178	10.4	439.0	2,700	57.5	0.46	31.2	-0.00100		
0420	7/23/89	6882.00	6.3	6.52	2,239	438	110	99.0	5.8	285.0	1,293	16.5	0.56	60.00	-0.00100	-0.0010	-0.005
0420	10/11/89	6879.70	6.4	6.84	2,328	402	112	96.8	8.5	244.0	1,594	18.7	0.77	4.80	-0.00100	-0.0010	-0.005
0420	1/3/90	6878.30	5.9	6.20	2,680	431	141	100	7.1	196.0	1,602	19.1	1.43	2.10	-0.00100	-0.0010	-0.005
0420	4/3/90	6876.80	5.9	6.40	2,725	439	149	97.0	7.1	209.0	1,532	18.4	1.29	0.15	-0.00100	-0.0010	-0.005
0420	7/2/90	6875.70	6.0	6.56	2,708	464	140	91.7	6.2	226.0	1,577	18.7	0.77	0.87	-0.00100	-0.0010	-0.005
0420	10/2/90	6874.60	6.1	6.57	2,777	412	151	91.5	7.1	198.0	1,771	18.8	0.66	0.01	-0.00100	-0.0010	-0.005
0420	1/3/91	6874.00	6.2	7.30	2,729	478	135	105	27.0	248.0	1,574	18.0	0.82	6.80	-0.00100	-0.0010	-0.005
0420	4/10/91	6874.00	6.0	6.99	2,635	483	143	102	7.9	269.0	1,480	19.1	0.54	5.70	-0.00100	-0.0010	-0.005
0420	7/16/91	6872.40	5.9	6.43	2,840	492	114	87.3	6.9	205.0	1,888	17.5	1.10	0.11	-0.00100	-0.0010	-0.005
0420	10/14/91	6866.70	5.9	7.01	2,982	593	133	94.1	6.1	217.0	1,819	21.6	1.20	0.07	-0.00100	-0.0010	-0.005
0420	1/14/92	6868.50	5.9	8.17	2,806	426	148	93.1	6.4	243.0	1,831	17.8	1.30	2.00	-0.00100	-0.0010	-0.005
0420	4/7/92	6868.70	5.8	7.89	2,962	453	164	99.2	8.3	265.0	1,890	16.2	1.40	-0.10	-0.00100	-0.0010	-0.005
0420	7/7/92	6862.80	5.7	7.71	3,097	494	202	98.9	8.6	244.0	1,750	18.3	1.78	0.20	-0.00100	-0.0010	-0.005
0420	10/6/92	6861.90	6.0	6.83	3,098	537	180	100	7.8	114.0	1,991	23.2	1.20	-0.10	-0.00100	-0.0010	-0.005
0420	1/6/93	6864.30	5.9	6.58	2,512	455	152	86.0	6.7	119.0	1,675	19.3	1.29	-0.10	-0.00100	-0.0010	-0.005
0420	4/6/93	6864.60	6.0	6.83	2,505	413	118	111	5.4	222.0	1,658	24.4	0.42	1.90	-0.00100	-0.0010	-0.005
0420	7/13/93	6859.60	6.0	6.26	2,704	435	169	100	7.2	143.0	1,818	21.1	0.83	0.70	-0.00100	-0.0010	-0.005
0420	10/6/93	6858.40	6.0	5.81	2,947	497	165	95.4	6.6	84.5	2,062	20.6	0.87	0.80	-0.00100	-0.0010	-0.005
0420	1/5/94	6859.80	6.2	6.45	2,915	475	145	97.7	6.3	181.0	1,855	21.1	0.66	2.58	-0.00100		
0420	4/13/94	6859.70	6.2	6.22	2,930	504	167	92.6	6.5	91.2	2,024	22.6	1.66	0.76	-0.00100		

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TABLE C.1

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Well No.	Date	Al (mg/L)	As (mg/L)	Be (mg/L)	Cd (mg/L)	Co (mg/L)	Pb (mg/L)	Mn (mg/L)	Mo (mg/L)	Ni (mg/L)	Se (mg/L)	V (mg/L)	U (mg/L)	Ra-226+ Ra-228 (pCi/L)	Th-230 (pCi/L)	Pb-210 (pCi/L)	Gross Alpha (pCi/L)
	NRC Standard	NA	0.05	0.05	0.01	NA	0.05	NA	NA	0.05	0.01	0.10	0.3	5.0	5.0	1.0	15.0
	EPA Standard	5.00	0.05	0.017	0.01	0.05	0.05	2.60	1.0	0.2	0.01	0.70	5.0	5.0	NA	NA	15.0
0411	10/6/93	-0.10	0.013	-0.010	-0.01	0.10	-0.05	4.00	8.38	0.13	-0.001	-0.10	0.1450	10.1	-0.2	2.2	4.0
0411	1/5/94	-0.10	0.011	-0.010	-0.01	0.08	-0.05	4.07	6.90	0.08	-0.001	-0.10	0.1820	9.4	-0.2	2.7	11.8
0411	4/14/94	-0.10	0.010	-0.010	-0.01	0.10	-0.05	4.07	7.96	0.10	-0.001	-0.10	0.1870	15.2	-0.2	3.7	19.3
0411	7/21/94	-0.10	0.008	-0.010	-0.01	0.13	-0.05	4.68	9.23	0.17	-0.001	-0.10	0.1860	17.6	-0.2	4.4	23.2
0411	10/5/94	-0.10	0.009	-0.010	-0.01	0.08	-0.05	4.42	6.59	0.13	0.004	-0.10	0.1560	19.8	-0.2	-1.0	26.5
0411	1/10/95	-0.10	0.009	-0.010	-0.01	0.13	-0.05	3.68	11.50	0.12	-0.001	-0.10	0.2460	15.3	-0.2	2.8	18.3
0411	4/11/95	-0.10	0.004	-0.010	-0.01	0.08	-0.05	4.38	8.74	0.08	-0.001	-0.10	0.2380	13.0	-0.2	-1.0	16.3
0411	7/11/95	-0.10	0.012	-0.010	-0.01	0.01	-0.05	3.48	9.60	0.08	-0.001	-0.10	0.2150	7.6	-0.2	-1.0	10.7
0411	10/3/95	-0.10	0.014	-0.010	-0.01	0.09	-0.05	-0.01	9.91	-0.05	0.002	-0.10	0.2669	-9.4	-0.2	1.5	14.7
0411	1/4/96	-0.10	0.006	-0.010	-0.01	0.09	-0.05	3.18	10.60	0.07	-0.001	-0.10	0.2870	9.6	-0.2	2.6	5.7
0411	4/2/96	-0.10	0.014	-0.010	-0.01	0.08	-0.05	3.80	8.80	0.07	-0.001	-0.10	0.3060	7.6	-0.2	-1.0	4.8
0411	7/17/96	-0.10	0.007	-0.010	-0.01	0.09	-0.05	3.39	10.00	0.06	-0.001	-0.10	0.2810	9.7	-0.2	-1.0	8.2
0411	10/8/96	-0.10	0.012	-0.010	-0.01	0.07	-0.05	3.38	9.97	0.06	-0.001	-0.10	0.1640	11.3	-0.2	-1.0	2.4
0411	1/28/97	-0.10	0.013	-0.010	-0.01	0.06	-0.05	3.11	10.70	-0.05	0.002	-0.10	0.1450	-4.6	0.5	-1.0	4.5
0411	4/15/97	-0.10	0.013	-0.010	-0.01	0.06	-0.05	3.04	10.50	-0.05	-0.001	-0.10	0.2350	7.2	-0.2	-1.0	5.8
0411	7/15/97	-0.10	0.014	-0.010	-0.01	0.08	-0.05	2.70	9.80	0.05	0.002	-0.10	0.2120	6.7	-0.2	-1.0	3.9
0411	10/15/97	-0.10	0.010	-0.010	-0.01	0.10	0.05	2.96	9.85	0.06	0.002	-0.10	0.2500	9.3	-0.2	-1.0	4.2
0411	1/20/98	-0.10	0.007	-0.010	-0.005	0.10	-0.05	3.33	11.10	0.05	-0.001	-0.10	0.2440	7.9	-0.2	-1.0	3.1
0420	7/23/89	-0.10	0.012	-0.050	-0.01	-0.01	-0.05	1.40	9.10	-0.05	0.001	-0.10	0.0293	9.1	-0.2	1.6	6.8
0420	10/11/89	0.16	0.029	-0.050	-0.01	-0.01	-0.05	1.60	8.10	-0.05	0.002	-0.10	0.0220	7.8	-0.2	1.9	3.5
0420	1/3/90	-0.10	0.055	-0.050	-0.01	-0.01	-0.05	2.20	6.00	-0.05	-0.001	-0.10	0.0070	10.6	-0.2	3.3	6.8
0420	4/3/90	-0.10	0.058	-0.050	-0.01	-0.01	-0.05	3.00	4.80	-0.05	-0.001	-0.10	0.0040	6.8	-0.2	1.9	3.6
0420	7/2/90	-0.10	0.024	-0.050	-0.01	0.02	-0.05	2.57	6.00	-0.05	-0.001	-0.10	0.0087	5.3	-0.2	1.5	3.0
0420	10/2/90	-0.10	0.034	-0.050	-0.01	-0.01	-0.05	3.39	4.20	-0.05	-0.001	-0.10	0.0030	-6.3	-0.2	-1.0	5.0
0420	1/3/91	-0.10	0.024	-0.010	0.01	-0.01	-0.05	2.16	4.90	-0.05	-0.001	-0.10	0.0162	5.0	-0.2	-1.0	3.0
0420	4/10/91	-0.10	0.027	-0.010	-0.01	0.01	-0.05	2.51	5.34	-0.05	-0.001	-0.10	0.0127	8.1	-0.2	1.1	3.0
0420	7/16/91	-0.10	0.040	-0.010	-0.01	-0.01	-0.05	3.25	3.54	-0.05	-0.001	-0.10	0.0030	8.4	-0.2	2.2	5.0
0420	10/14/91	-0.10	0.066	-0.010	-0.01	-0.01	-0.05	4.05	2.42	-0.05	-0.001	-0.10	0.0720	-7.0	-0.2	-1.0	6.0
0420	1/14/92	-0.10	0.053	-0.010	-0.01	-0.01	-0.05	3.42	2.45	-0.05	-0.001	-0.10	0.0070	5.0	0.8	1.3	2.0
0420	4/7/92	-0.10	0.032	-0.010	-0.01	-0.01	-0.05	4.98	1.76	-0.05	-0.001	-0.10	0.0260	12.4	-0.2	-1.0	2.7
0420	7/7/92	0.13	0.036	-0.010	-0.01	-0.01	-0.05	4.25	2.35	-0.05	0.001	-0.10	0.0200	8.5	-0.2	-1.0	3.9
0420	10/6/92	0.30	0.111	-0.010	-0.01	-0.01	-0.05	4.25	1.60	-0.05	0.002	-0.10	-0.0003	15.5	-0.2	-1.0	4.7
0420	1/6/93	-0.10	0.104	-0.010	-0.01	-0.01	-0.05	4.17	1.38	-0.05	0.004	-0.10	0.0270	-11.7	-0.2	-1.0	10.9
0420	4/6/93	-0.10	0.044	-0.010	-0.01	-0.01	-0.05	2.52	2.30	-0.05	0.001	-0.10	0.0240	4.8	-0.2	-1.0	2.9
0420	7/13/93	-0.10	0.100	-0.010	-0.01	0.02	-0.05	4.03	1.81	-0.05	-0.001	-0.10	0.0030	12.2	-0.2	3.0	5.7
0420	10/6/93	0.10	0.064	-0.010	-0.01	0.02	-0.05	3.94	1.88	0.07	-0.001	-0.10	0.0050	10.7	-0.2	1.2	6.0
0420	1/5/94	0.11	0.061	-0.010	-0.01	-0.01	-0.05	3.06	1.44	-0.05	-0.001	-0.10	0.0080	6.0	-0.2	1.4	7.9
0420	4/13/94	-0.10	0.020	-0.010	-0.01	-0.01	-0.05	4.07	1.17	-0.05	-0.001	-0.10	0.0020	11.8	-0.2	-1.0	15.4

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TABLE C.1

ZONE 3 DATA SUMMARY
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Well No.	Date	Water Elevation (ft AMSL)	Field pH (SU)	Lab pH (SU)	Lab TDS (mg/L)	Ca (mg/L)	Mg (mg/L)	Na (mg/L)	K (mg/L)	HCO_3 (mg/L)	SO_4 (mg/L)	Cl (mg/L)	NH_4 as N (mg/L)	NO_3 as N (mg/L)	Chloro-form (mg/L)	Naphtha-lene (mg/L)	Cyanide (mg/L)
	NRC Standard	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.001	0.001	0.005
	EPA Standard	NA	NA	NA	4,800	NA	NA	NA	NA	NA	2,125	250.0	NA	190	NA	NA	NA
0420	7/20/94	6857.10	6.1	6.28	3,540	602	192	102	7.2	89.3	2,338	22.6	1.28	-0.10	-0.00100		
0420	10/4/94	6857.40	6.0	7.18	3,297	593	186	111	7.6	133.0	2,245	25.3	1.19	2.26	-0.00100		
0420	1/4/95	6856.90	6.0	6.70	3,434	593	188	105	7.6	116.0	2,204	25.3	1.48	1.13	-0.00100		
0420	4/4/95	6856.50	6.1	6.36	3,395	579	179	107	7.1	145.0	2,237	31.0	1.09	2.09	-0.00100		
0420	7/7/95	6855.10	6.2	7.57	3,074	530	135	108	6.5	207.0	1,882	25.7	0.46	6.35	-0.00100		
0420	10/3/95	6854.30	6.4	7.61	3,117	544	142	118	6.5	305.0	1,821	28.0	0.24	7.17	-0.00100		
0420	1/3/96	6853.70	6.7	7.14	3,084	545	162	115	6.1	322.0	1,856	26.4	-0.05	8.66	-0.00100		
0420	4/2/96	6852.90	6.9	7.85	3,165	588	140	122	6.2	344.0	1,890	30.2	0.10	18.4	-0.00100		
0420	7/7/96	6852.20	6.7	7.40	3,225	586	134	127	6.6	332.0	1,816	30.2	0.24	16.7	-0.00100		
0420	10/1/96	6851.60	6.5	6.97	3,250	614	146	131	6.6	339.0	1,821	30.4	-0.05	22.8	-0.00100		
0420	1/21/97	6851.80	5.9	7.83	3,120	620	150	123	6.3	377.0	1,926	36.2	0.07	24.3	-0.00100		
0420	4/8/97	6851.50	6.8	7.96	3,250	659	159	126	6.3	359.0	1,944	34.6	0.06	23.8	-0.00100		
0420	7/8/97	6850.60	7.3	7.92	3,360	614	165	136	6.5	364.0	1,940	36.0	0.06	25.6	-0.00100		
0420	10/7/97	6850.00	6.6	7.78	3,450	683	149	131	6.2	388.0	1,900	38.8	0.06	31.5	-0.00100		
0420	1/16/98	6850.00	7.0	7.83	3,500	664	141	142	6.6	388.0	2,000	39.2	0.32	43.5	-0.00100		
0420	4/7/98	6849.60	6.5	7.45	3,510	659	149	135	6.0	340.0	1,800	34.9	0.08	36.5	-0.00100		
0420	7/7/98	6850.20	6.9	7.58	3,420	660	149	144	6.1	415.0	1,900	35.5	0.16	34.7	-0.00100		
0420	10/6/98	6849.10	6.8	7.88	3,530	657	123	148	6.9	415.0	2,000	36.3	1.77	37.3	-0.00100		
0420	1/5/99	6848.40	6.8	7.82	3,600	672	123	136	5.5	422.0	1,830	34.1	-0.05	32.2	-0.00100		
0420	4/6/99	6848.10	6.5	7.96	3,640	672	144	137	6.4	388.0	1,870	39.5	0.11	32.5	-0.00100		
0420	7/13/99	6847.68	6.4	8.07	3,560	708	111	123	7.0	411.0	1,840	34.6	0.09	39.8	-0.00100		
0420	10/5/99	6847.20	6.7	7.63	3,630	731	130	146	6.1	392.0	2,100	38.9	0.07	47.7	-0.00100		
0420	2/22/00	6846.20	6.6	7.97	3,550	676	157	126	7.0	414.0	1,870	34.6	-0.05	50.7	-0.00100		
0420	5/28/00	6847.30	6.7	7.69	3,500	616	139	127	6.5	452.0	1,840	33.5	0.19	31.3	-0.00100		
0420	7/10/00	6847.30	6.7	7.47	3,500	664	151	141	5.9	456.0	1,740	35.0	-0.05	33.2	-0.00100		
0501 B*	7/20/89	6889.00	3.1	3.13	5,722	443	492	106	17.5	0.0	4,074	24.2	1.36	0.21	-0.00100	-0.0010	-0.005
0501 B*	10/8/89	6887.90	3.2	3.29	5,594	454	540	110	20.2	0.0	3,758	36.2	1.06	0.20	-0.00100	-0.0010	-0.005
0501 B*	1/10/90	6885.30	3.7	2.98	5,622	449	529	115	14.9	0.0	3,570	26.6	1.01	0.42	-0.00100	-0.0010	-0.005
0501 B*	4/10/90	6884.60	4.4	2.86	5,716	447	576	110	14.3	0.0	3,592	30.0	1.02	0.23	-0.00100	-0.0010	-0.005
0501 B*	7/10/90	6883.30	4.5	3.01	5,738	511	578	111	15.5	0.0	3,756	25.6	0.48	0.26	-0.00100	-0.0010	-0.005
0501 B*	10/9/90	6882.30	4.2	4.25	5,845	403	511	120	16.7	0.0	3,678	57.3	0.39	0.05	-0.00100	-0.0010	-0.005
0501 B*	1/11/91	6881.40	3.8	3.45	5,791	484	592	105	16.0	0.0	3,862	28.2	0.84	-0.01	-0.00100	-0.0010	-0.005
0501 B*	4/10/91	6880.70	3.6	3.62	5,924	483	591	89.1	18.2	0.0	3,834	27.1	0.99	-0.01	-0.00100	-0.0010	-0.005
0501 B*	7/9/91	6879.90	3.7	3.43	6,105	412	512	94.7	15.4	0.0	3,937	28.7	1.27	-0.01	-0.00100	-0.0010	-0.005
0501 B*	10/17/91	6879.40	3.6	3.81	6,099	476	483	117	17.9	0.0	3,822	37.9	1.30	-0.01	-0.00100	-0.0010	-0.005
0501 B*	1/21/92	6878.80	3.4	4.02	6,099	420	555	101	15.7	0.0	4,151	24.5	-0.05	-0.01	-0.00100	-0.0010	-0.005
0501 B*	4/14/92	6878.40	3.3	3.62	6,113	417	472	100	17.8	0.0	3,824	28.0	1.17	-0.10	-0.00100	-0.0010	-0.005
0501 B*	7/14/92	6877.90	3.2	2.99	6,203	362	539	129	21.4	0.0	4,209	28.6	0.52	-0.10	-0.00100	-0.0010	-0.005

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TABLE C.1

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Well No.	Date	Al (mg/L)	As (mg/L)	Be (mg/L)	Cd (mg/L)	Co (mg/L)	Pb (mg/L)	Mn (mg/L)	Mo (mg/L)	Ni (mg/L)	Se (mg/L)	V (mg/L)	U (mg/L)	Ra-226+ Ra-228 (pCi/L)	Th-230 (pCi/L)	Pb-210 (pCi/L)	Gross Alpha (pCi/L)
	NRC Standard	NA	0.05	0.05	0.01	NA	0.05	NA	NA	0.05	0.01	0.10	0.3	5.0	5.0	1.0	15.0
	EPA Standard	5.00	0.05	0.017	0.01	0.05	0.05	2.60	1.0	0.2	0.01	0.70	5.0	5.0	NA	NA	15.0
0420	7/20/94	0.10	0.012	-0.010	-0.01	0.01	-0.05	5.00	1.03	-0.05	-0.001	-0.10	0.0060	19.4	-0.2	-1.0	23.9
0420	10/4/94	-0.10	0.006	-0.010	-0.01	-0.01	-0.05	5.56	1.20	-0.05	-0.001	-0.10	0.0110	7.4	-0.2	-1.0	8.3
0420	1/4/95	-0.10	-0.001	-0.010	-0.01	-0.01	-0.05	3.42	1.43	-0.05	-0.001	-0.10	0.0040	8.1	-0.2	-1.0	9.6
0420	4/4/95	-0.10	0.007	-0.010	-0.01	0.02	-0.05	3.45	1.21	-0.05	-0.001	-0.10	0.0080	9.5	-0.2	-1.0	12.1
0420	7/7/95	-0.10	0.002	-0.010	-0.01	-0.01	-0.05	0.14	-0.10	-0.05	-0.001	-0.10	0.0205	8.9	-0.2	-1.0	7.5
0420	10/3/95	-0.10	0.005	-0.010	-0.01	-0.01	-0.05	2.08	0.76	-0.05	-0.001	-0.10	0.0363	7.9	0.6	-1.0	5.7
0420	1/3/96	-0.10	0.001	-0.010	-0.01	-0.01	-0.05	1.88	0.64	-0.05	0.001	-0.10	0.0392	-3.7	0.8	1.6	3.7
0420	4/2/96	-0.10	0.003	-0.010	-0.01	-0.01	-0.05	1.90	0.54	-0.05	-0.001	-0.10	0.1000	4.7	-0.2	-1.0	3.2
0420	7/7/96	-0.10	-0.001	-0.010	-0.01	-0.01	-0.05	1.98	0.59	-0.05	-0.001	-0.10	0.0510	10.2	-0.2	3.1	2.1
0420	10/1/96	-0.10	-0.001	-0.010	-0.01	-0.01	-0.05	1.90	0.61	-0.05	0.003	-0.10	0.0440	-3.1	-0.2	-1.0	2.1
0420	1/21/97	-0.10	-0.001	-0.010	-0.01	-0.01	-0.05	2.10	0.59	-0.05	-0.001	-0.10	0.0430	-3.2	-0.2	-1.0	1.6
0420	4/8/97	-0.10	-0.001	-0.010	-0.01	-0.01	-0.05	2.03	0.52	-0.05	0.007	-0.10	0.0500	6.9	-0.2	-1.0	6
0420	7/8/97	-0.10	-0.001	-0.010	-0.01	-0.01	-0.05	1.97	0.73	-0.05	-0.001	-0.10	0.0530	-3.8	-0.2	-1.0	2.5
0420	10/7/97	-0.10	-0.001	-0.010	-0.01	-0.01	-0.05	2.30	0.54	-0.05	-0.001	-0.10	0.0490	5.2	-0.2	-1.0	1.9
0420	1/16/98	-0.10	-0.001	-0.010	-0.01	-0.01	-0.05	2.60	0.56	-0.05	-0.001	-0.10	0.0515	-3.4	-0.2	-1.0	3.6
0420	4/7/98	-0.10	-0.001	-0.010	-0.005	-0.01	-0.05	1.94	0.40	-0.05	-0.001	-0.10	0.0495	-4.5	-0.2	-1.0	4
0420	7/7/98	-0.10	-0.001	-0.010	-0.005	-0.01	-0.05	1.98	0.40	-0.05	0.001	-0.10	0.0567	-3.2	-0.2	-1.0	3.7
0420	10/6/98	-0.10	-0.001	-0.010	-0.005	-0.01	-0.05	1.89	0.42	-0.05	-0.001	-0.10	0.0674	4.8	-0.2	-1.0	3.2
0420	1/5/99	-0.10	-0.001	-0.010	0.007	-0.01	-0.05	1.97	0.37	-0.05	-0.001	-0.10	0.0540	3.5	-0.2	-1.0	4.7
0420	4/6/99	-0.10	-0.001	-0.010	-0.005	-0.01	-0.05	2.01	0.56	-0.05	-0.001	-0.10	0.0556	3.2	0.8	-1.0	4.7
0420	7/13/99	-0.10	-0.001	-0.010	-0.005	-0.01	-0.05	1.98	0.37	-0.05	-0.001	-0.10	0.0578	2.2	-0.2	-1.0	2.7
0420	10/5/99	-0.10	-0.001	-0.010	-0.005	-0.01	-0.05	2.23	0.34	-0.05	-0.001	-0.10	0.0540	2.4	6.8	-1.0	1.9
0420	2/22/00	-0.10	-0.001	-0.010	-0.005	-0.01	-0.05	2.01	0.36	-0.05	0.001	-0.10	0.0511	2.4	-3.4	-1.0	3.1
0420	5/28/00	0.20	0.008	-0.010	0.051	-0.01	-0.05	2.14	0.20	0.08	-0.001	-0.10	0.0500	3.2	8.0	6.8	3.3
0420	7/10/00	-0.10	-0.001	-0.010	-0.005	-0.01	-0.05	2.03	0.21	-0.05	-0.001	-0.10	0.0436	2.8	7.0	-1.0	2.8
0501 B*	7/20/89	100.00	0.244	0.130	-0.01	1.10	0.08	12.00	0.11	1.80	-0.001	-0.10	0.6100	33.1	5.4	-1.0	96.3
0501 B*	10/8/89	70.00	0.046	0.090	-0.01	0.83	0.07	11.00	0.03	1.20	-0.001	-0.10	0.4690	22.4	15.0	-1.0	34.7
0501 B*	1/10/90	29.00	0.030	-0.050	-0.01	0.59	-0.05	9.80	-0.10	0.80	-0.001	-0.10	0.2120	16.4	-0.2	-1.0	11.2
0501 B*	4/10/90	22.00	0.026	-0.050	-0.01	0.64	-0.05	12.00	-0.10	0.73	-0.001	-0.10	0.1250	17.2	-0.2	-1.0	10.4
0501 B*	7/10/90	22.90	0.014	-0.050	-0.01	0.41	-0.05	12.21	-0.10	0.74	-0.001	-0.10	0.1610	16.6	-0.2	-1.0	10.0
0501 B*	10/9/90	25.80	0.029	0.050	-0.01	0.68	-0.05	13.50	-0.10	0.88	-0.001	-0.10	0.2099	22.8	-0.2	1.4	14.0
0501 B*	1/11/91	24.70	0.020	0.050	-0.01	0.68	-0.05	12.40	-0.10	0.83	-0.001	-0.10	0.2768	25.9	-0.2	1.5	13.4
0501 B*	4/10/91	25.62	0.030	-0.010	-0.01	0.60	-0.05	8.12	-0.10	0.69	-0.001	-0.10	0.3332	22.5	2.6	5.9	17.7
0501 B*	7/9/91	40.84	0.016	0.060	-0.01	0.70	-0.05	12.21	-0.10	0.86	-0.001	-0.10	0.4356	18.2	-0.2	-1.0	9.0
0501 B*	10/17/91	52.00	0.022	0.090	0.01	0.80	-0.05	15.24	-0.10	1.14	-0.001	-0.10	0.5918	15.5	-0.2	2.4	10.0
0501 B*	1/21/92	53.20	0.073	-0.010	0.02	0.86	0.05	13.90	-0.10	1.15	0.002	-0.10	0.4340	31.0	-0.2	1.3	19.0
0501 B*	4/14/92	37.10	0.021	0.080	-0.01	0.82	-0.05	13.90	-0.10	0.95	-0.001	-0.10	0.3790	22.1	-0.2	1.6	9.2
0501 B*	7/14/92	35.60	0.013	0.063	-0.01	0.98	-0.05	13.10	-0.10	1.07	-0.001	-0.10	0.5390	15.6	-0.2	-1.0	10.2

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TABLE C.1

ZONE 3 DATA SUMMARY
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Well No.	Date	Water Elevation (ft AMSL)	Field pH (SU)	Lab pH (SU)	Lab TDS (mg/L)	Ca (mg/L)	Mg (mg/L)	Na (mg/L)	K (mg/L)	HCO_3 (mg/L)	SO_4 (mg/L)	Cl (mg/L)	NH_4 as N (mg/L)	NO_3 as N (mg/L)	Chloro-form (mg/L)	Naphtha-lene (mg/L)	Cyanide (mg/L)
	NRC Standard	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.001	0.001	0.005
	EPA Standard	NA	NA	NA	4,800	NA	NA	NA	NA	NA	2,125	250.0	NA	190	NA	NA	NA
0501 B*	10/13/92	6877.50	3.6	3.33	5,832	455	563	113	19.4	0.0	3,601	27.9	0.97	-0.10	-0.00100	-0.0010	-0.005
0501 B*	1/21/93	6877.10	3.5	3.11	6,118	408	544	101	16.5	0.0	4,100	21.4	0.98	-0.10	-0.00100	-0.0010	-0.005
0501 B*	4/14/93	6876.90	3.4	3.01	5,140	439	532	108	13.7	0.0	3,936	29.7	0.99	-0.10	-0.00100	-0.0010	-0.005
0501 B*	7/15/93	6876.20	3.5	3.02	4,976	492	544	105	15.8	0.0	3,778	28.0	0.85	-0.10	-0.00100	0.0012	-0.005
0502 B	7/23/89	6892.40	5.3	5.64	5,131	559	501	186	13.7	63.0	3,298	51.0	2.94	30.00	-0.00100	-0.0010	-0.005
0502 B	10/11/89	6888.10	5.1	5.66	5,192	513	483	184	18.7	50.8	3,563	55.3	1.26	38.00	-0.00100	-0.0010	-0.005
0502 B	1/3/90	6885.70	4.9	5.38	5,364	501	495	184	16.1	33.9	3,347	52.0	2.80	39.00	-0.00100	-0.0010	-0.005
0502 B	4/3/90	6883.90	4.7	5.28	5,400	491	500	180	15.5	28.7	3,296	55.8	2.17	39.00	-0.00100	-0.0010	-0.005
0502 B	7/2/90	6882.70	4.4	4.53	5,536	575	542	162	15.9	1.4	3,487	54.5	2.38	31.60	-0.00100	-0.0010	-0.005
0502 B	10/2/90	6881.40	4.7	5.22	5,143	435	453	159	15.4	12.2	3,377	51.4	0.80	10.50	-0.00100	-0.0010	-0.005
0502 B	1/4/91	6880.60	4.8	4.50	5,193	457	469	165	23.7	0.0	3,214	53.0	3.54	12.40	-0.00100	-0.0010	-0.005
0502 B	4/9/91	6880.00	4.4	4.57	5,227	527	508	158	20.0	5.0	3,410	36.3	4.00	14.00	-0.00100	-0.0010	-0.005
0502 B	7/16/91	6879.20	4.3	4.72	5,129	520	526	138	25.8	5.0	3,760	54.4	5.63	12.60	-0.00100	-0.0010	-0.005
0502 B	10/14/91	6878.10	4.1	3.88	5,164	384	349	139	20.7	0.0	3,233	61.3	6.80	10.20	-0.00100	-0.0010	-0.005
0502 B	1/14/92	6876.70	3.7	4.03	4,850	420	382	110	15.3	0.0	3,470	114.0	6.30	2.40	-0.00100	-0.0010	-0.005
0502 B	4/7/92	6875.70	3.7	3.44	5,134	439	388	111	16.6	0.0	3,407	41.7	12.20	-0.10	-0.00100	-0.0010	-0.005
0502 B	7/7/92	6874.50	3.6	3.67	5,229	513	461	97	16.4	0.0	3,424	20.4	9.10	-0.10	-0.00100	-0.0010	-0.005
0502 B	10/6/92	6873.10	3.8	3.18	5,350	488	440	101	16.8	0.0	3,695	24.4	6.30	0.24	-0.00100	-0.0010	-0.005
0502 B	1/6/93	6870.10	3.7	3.41	4,292	421	394	92	20.3	0.0	3,594	16.8	6.70	-0.10	-0.00100	-0.0010	-0.005
0502 B	4/6/93	6870.20	3.7	3.24	4,837	409	367	111	19.0	0.0	3,579	43.0	7.20	-0.10	-0.00100	-0.0010	-0.005
0502 B	7/13/93	6869.30	4.1	4.11	4,892	464	456	119	19.9	0.0	3,741	51.1	6.97	-0.10	-0.00100	-0.0010	-0.005
0502 B	10/6/93	6865.40	4.2	3.94	4,832	450	432	121	16.1	0.0	3,706	35.9	6.69	8.10	-0.00100	-0.0010	-0.005
0502 B	1/5/94	6867.20	4.1	2.89	5,012	475	435	128	14.6	0.0	3,674	45.0	6.63	18.20	-0.00100		
0502 B	4/13/94	6867.20	4.2	3.45	5,054	486	432	127	14.3	0.0	3,656	37.4	10.20	-0.10	-0.00100		
0502 B	7/21/94	6867.20	4.3	3.59	5,603	552	501	116	14.2	0.0	4,100	29.0	6.23	-0.10	-0.00100		
0502 B	10/5/94	6867.20	4.3	4.23	5,017	470	489	129	14.0	0.0	3,739	29.4	5.86	-0.10	-0.00100		
0502 B	1/5/95	6866.50	4.1	4.27	5,078	457	488	125	14.4	0.0	3,652	33.3	7.90	-0.10	-0.00100		
0502 B	4/5/95	6866.40	4.2	3.89	5,106	484	494	122	13.6	0.0	3,860	24.2	6.40	-0.10	-0.00100		
0502 B	7/6/95	6866.10	4.4	4.18	5,090	455	478	118	13.1	0.0	3,615	31.0	6.46	-0.10	-0.00100		
0502 B	10/4/95	6866.10	4.5	4.42	4,852	445	470	123	12.8	0.0	3,555	29.0	5.39	0.30	-0.00100		
0502 B	1/4/96	6866.10	4.2	3.82	5,022	470	485	122	13.3	0.0	3,710	29.3	3.16	-0.10	-0.00100		
0502 B	4/2/96	6865.70	4.8	4.47	5,428	478	525	119	13.5	0.0	3,810	31.2	3.62	-0.10	-0.00100		
0502 B	7/7/96	6865.40	4.5	3.40	5,317	460	475	120	14.2	0.0	3,550	34.0	3.83	0.11	-0.00100		
0502 B	10/1/96	6865.50	4.7	3.72	5,570	480	517	123	13.9	0.0	3,648	29.3	3.58	-0.10	-0.00100		
0502 B	1/21/97	6865.70	4.8	4.01	5,570	485	525	116	14.0	0.0	3,755	32.1	4.54	-0.10	-0.00100		
0502 B	4/8/97	6864.80	4.7	4.39	5,610	506	550	145	13.4	0.0	3,960	31.2	3.03	-0.10	-0.00100		
0502 B	7/8/97	6864.40	5.7	4.20	5,710	516	557	125	14.8	0.0	4,000	32.9	3.94	-0.10	-0.00100		
0502 B	10/8/97	6865.00	4.3	3.75	5,700	492	523	110	13.1	-0.1	3,590	34.0	4.01	-0.10	-0.00100		

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Well No.	Date	Al (mg/L)	As (mg/L)	Be (mg/L)	Cd (mg/L)	Co (mg/L)	Pb (mg/L)	Mn (mg/L)	Mo (mg/L)	Ni (mg/L)	Se (mg/L)	V (mg/L)	U (mg/L)	Ra-226+ Ra-228 (pCi/L)	Th-230 (pCi/L)	Pb-210 (pCi/L)	Gross Alpha (pCi/L)
	NRC Standard	NA	0.05	0.05	0.01	NA	0.05	NA	NA	0.05	0.01	0.10	0.3	5.0	5.0	1.0	15.0
	EPA Standard	5.00	0.05	0.017	0.01	0.05	0.05	2.60	1.0	0.2	0.01	0.70	5.0	5.0	NA	NA	15.0
0501 B*	10/13/92	36.10	0.025	-0.010	0.02	0.77	-0.05	13.60	-0.10	0.85	-0.001	-0.10	0.5290	27.9	-0.2	3.3	15.9
0501 B*	1/21/93	39.20	0.021	-0.010	-0.01	0.63	-0.05	12.50	-0.10	1.01	-0.001	-0.10	0.2250	13.9	-0.2	2.6	9.0
0501 B*	4/14/93	42.00	0.040	0.080	-0.01	0.99	-0.05	13.60	-0.10	1.14	-0.001	-0.10	0.4210	18.3	-0.2	1.7	7.8
0501 B*	7/15/93	40.40	0.018	0.051	-0.01	0.71	-0.05	11.60	-0.10	0.75	-0.001	-0.10	0.1800	12.0	-0.2	-1.0	7.5
0502 B	7/23/89	2.20	0.001	-0.050	-0.01	0.26	-0.05	6.90	9.30	0.24	0.003	-0.10	0.0543	17.2	-0.2	2.3	30.5
0502 B	10/11/89	2.20	0.009	-0.050	-0.01	0.19	-0.05	5.70	23.00	0.21	0.010	-0.10	0.0640	9.8	18.1	4.1	23.0
0502 B	1/3/90	16.00	0.009	-0.050	-0.01	0.21	-0.05	5.80	22.00	0.27	0.003	-0.10	0.1130	13.6	-0.2	6.7	9.3
0502 B	4/3/90	8.50	0.012	-0.050	-0.01	0.27	-0.05	7.00	19.00	0.32	0.004	-0.10	0.0640	15.8	-0.2	2.8	9.4
0502 B	7/2/90	22.70	0.027	-0.050	-0.01	0.28	-0.05	8.90	9.10	0.33	0.003	-0.10	0.2040	27.4	-0.2	7.9	15.0
0502 B	10/2/90	2.40	0.014	-0.050	-0.01	0.39	-0.05	9.00	5.20	0.38	0.002	-0.10	0.0540	16.0	-0.2	-1.0	15.0
0502 B	1/4/91	22.40	0.024	0.030	-0.01	0.52	-0.05	11.10	2.10	0.55	0.002	-0.10	0.2080	30.0	-0.2	-1.0	18.0
0502 B	4/9/91	15.70	0.003	-0.050	-0.01	0.40	-0.05	8.51	0.68	0.44	0.001	-0.10	0.2058	26.2	-0.2	-1.0	12.0
0502 B	7/16/91	1.00	0.009	-0.010	-0.01	0.59	-0.05	12.56	0.85	0.66	-0.001	-0.10	0.3230	23.5	-0.2	2.9	13.0
0502 B	10/14/91	54.20	0.004	0.012	-0.01	0.68	-0.05	13.60	1.01	0.78	0.001	-0.10	0.2800	29.8	-0.2	-1.0	18.0
0502 B	1/14/92	74.70	0.023	0.130	-0.01	0.67	-0.05	14.60	2.41	0.84	0.004	-0.10	0.3440	4.5	-0.2	-1.0	3.0
0502 B	4/7/92	89.50	0.040	0.140	-0.01	0.71	-0.05	17.70	2.30	0.74	-0.001	-0.10	0.5670	30.7	-0.2	2.0	12.7
0502 B	7/7/92	92.20	0.068	0.120	-0.01	0.75	-0.05	15.10	1.17	0.72	0.001	-0.10	0.4300	24.0	-0.2	-1.0	8.4
0502 B	10/6/92	68.70	0.036	0.130	0.01	0.79	-0.05	14.30	1.00	0.89	0.004	-0.10	0.5520	26.5	-0.2	-1.0	10.4
0502 B	1/6/93	96.90	0.036	0.130	0.02	0.77	-0.05	16.00	0.60	1.02	-0.001	-0.10	0.7150	38.7	-0.2	-1.0	19.9
0502 B	4/6/93	101.00	0.696	0.140	-0.01	0.75	-0.05	15.23	1.15	0.05	0.003	-0.10	0.8120	34.8	-0.2	3.3	11.5
0502 B	7/13/93	87.00	0.018	-0.005	-0.01	0.97	-0.05	14.20	0.74	1.09	-0.001	-0.10	0.4780	17.0	-0.2	-1.0	8.5
0502 B	10/6/93	57.80	0.004	0.090	-0.01	0.74	-0.05	12.40	0.51	0.93	-0.001	-0.10	0.1770	21.8	-0.2	2.0	9.0
0502 B	1/5/94	57.10	0.007	0.080	-0.01	0.85	-0.05	12.60	0.41	0.78	-0.001	-0.10	0.3470	16.2	-0.2	1.1	20.4
0502 B	4/13/94	54.50	0.005	0.050	-0.01	0.70	-0.05	10.50	0.41	0.79	-0.001	-0.10	0.3320	14.4	-0.2	3.8	18.3
0502 B	7/21/94	44.20	0.003	0.040	-0.01	0.82	-0.05	12.00	0.35	0.97	-0.001	-0.10	0.2050	19.2	-0.2	4.4	24.3
0502 B	10/5/94	26.70	0.004	0.030	-0.01	0.64	-0.05	9.18	0.28	0.70	-0.001	-0.10	0.1880	13.3	-0.2	1.2	16.6
0502 B	1/5/95	32.30	-0.001	0.040	-0.01	0.72	-0.05	10.50	0.20	0.85	-0.001	-0.10	0.2110	16.9	-0.2	-1.0	19.2
0502 B	4/5/95	27.20	0.003	0.030	-0.01	0.81	-0.05	11.10	0.19	0.74	-0.001	-0.10	0.1910	17.0	-0.2	2.0	21.3
0502 B	7/6/95	16.90	0.005	0.020	-0.01	0.69	-0.05	9.65	0.19	0.77	-0.001	-0.10	0.1321	14.5	-0.2	2.0	24.0
0502 B	10/4/95	13.30	0.001	0.020	-0.01	0.66	-0.05	9.20	0.15	0.73	-0.001	-0.10	0.1290	23.6	-0.2	-1.0	16.6
0502 B	1/4/96	16.10	0.002	0.020	-0.01	0.66	-0.05	10.30	0.12	0.72	-0.001	-0.10	0.1340	21.7	-0.2	2.7	11.6
0502 B	4/2/96	12.10	0.001	0.020	-0.01	0.63	-0.05	9.08	0.11	0.66	-0.001	-0.10	0.1540	19.6	2.1	-1.0	11.2
0502 B	7/7/96	16.90	0.002	-0.010	-0.01	0.68	-0.05	10.30	0.13	0.74	-0.001	-0.10	0.1480	30.6	0.6	5.3	16.2
0502 B	10/1/96	13.60	0.001	0.020	-0.01	0.62	-0.05	9.60	-0.10	0.68	0.002	-0.10	0.1050	28.9	1.1	-1.0	16.3
0502 B	1/21/97	18.30	0.002	0.020	-0.01	0.63	-0.05	10.70	-0.10	0.67	-0.001	-0.10	0.1380	29.4	-0.2	-1.0	8.2
0502 B	4/8/97	9.48	-0.001	0.010	-0.01	0.54	-0.05	5.30	0.67	0.48	-0.001	-0.10	0.1200	35.8	-0.2	-1.0	26.1
0502 B	7/8/97	15.10	-0.001	-0.010	-0.01	0.59	-0.05	10.10	-0.10	0.56	-0.001	-0.10	0.1320	26.1	-0.2	4.6	12.7
0502 B	10/8/97	7.71	0.008	0.010	-0.01	0.66	-0.05	11.40	0.11	0.63	-0.001	-0.10	0.0890	26.0	-0.2	-1.0	10.7

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Well No.	Date	Water Elevation (ft AMSL)	Field pH (SU)	Lab pH (SU)	Lab TDS (mg/L)	Ca (mg/L)	Mg (mg/L)	Na (mg/L)	K (mg/L)	HCO_3 (mg/L)	SO_4 (mg/L)	Cl (mg/L)	NH_4 as N (mg/L)	NO_3 as N (mg/L)	Chloro-form (mg/L)	Naphtha-lene (mg/L)	Cyanide (mg/L)
	NRC Standard	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.001	0.001	0.005
	EPA Standard	NA	NA	NA	4,800	NA	NA	NA	NA	NA	2,125	250.0	NA	190	NA	NA	NA
0502 B	1/16/98	6864.20	4.8	4.62	5,720	479	522	118	14.3	2.1	3,700	33.5	5.14	-0.10	-0.00100		
0502 B	4/7/98	6864.30	4.3	3.99	5,730	485	536	113	13.0	0.1	3,570	28.6	3.27	-0.10	-0.00100		
0502 B	7/7/98	6864.90	4.6	4.11	5,570	480	536	115	13.6	-0.1	3,500	29.7	3.85	-0.10	-0.00100		
0502 B	10/6/98	6865.10	4.5	4.54	5,840	500	559	120	14.7	-0.1	3,720	28.3	0.90	-0.10	-0.00100		
0502 B	1/5/99	6863.90	4.2	4.53	5,870	483	568	124	12.7	-0.1	4,000	29.6	3.72	-0.10	-0.00100		
0502 B	4/6/99	6864.00	4.5	4.79	5,880	472	545	108	13.2	4.0	3,730	34.7	3.54	-0.10	-0.00100		
0502 B	7/13/99	6863.30	4.7	3.90	5,820	487	580	100	14.2	-0.1	3,800	24.9	3.25	-0.10	-0.00100		
0502 B	10/5/99	6863.70	4.3	3.78	5,830	503	612	114	13.6	-0.1	4,050	31.2	3.87	-0.10	-0.00100		
0502 B	2/22/00	6863.90	4.3	4.29	5,750	469	572	105	14.0	-0.1	3,720	28.9	3.29	-0.10	-0.00100		
0502 B	5/28/00																
0502 B	8/21/00																
0504 B	7/23/89	6868.10	6.2	6.50	4,631	515	440	172	10.5	293.0	3,027	37.9	0.49	0.05	-0.00100	-0.0010	-0.005
0504 B	10/11/89	6867.30	5.9	6.68	4,674	491	384	150	13.8	271.0	2,947	39.0	0.58	0.23	-0.00100	-0.0010	-0.005
0504 B	1/3/90	6865.90	5.7	6.36	4,458	597	373	146	11.0	217.0	2,793	35.9	0.70	0.05	-0.00100	-0.0010	-0.005
0504 B	4/3/90	6864.60	6.0	6.30	4,622	503	407	144	10.8	203.0	2,751	36.9	0.79	0.08	-0.00100	-0.0010	-0.005
0504 B	7/2/90	6863.50	5.6	6.32	4,598	554	424	143	10.6	229.0	2,931	33.2	0.36	0.06	-0.00100	-0.0010	-0.005
0504 B	10/2/90	6862.70	5.8	6.71	4,631	469	456	146	10.5	198.0	3,067	33.7	0.39	0.02	-0.00100	-0.0010	-0.005
0504 B	1/3/91	6862.70	5.7	6.25	4,687	534	446	140	31.6	166.0	3,022	32.5	0.86	0.08	-0.00100	-0.0010	-0.005
0504 B	4/9/91	6861.70	5.6	6.51	4,678	531	437	134	13.5	159.0	2,979	30.9	0.74	0.07	-0.00100	-0.0010	-0.005
0504 B	7/16/91	6860.70	5.6	6.30	4,769	535	392	132	10.8	161.0	3,427	33.1	0.91	0.10	-0.00100	-0.0010	-0.005
0504 B	10/14/91	6857.30	5.8	6.62	4,495	456	269	131	8.3	245.0	2,640	39.2	0.44	0.03	-0.00100	-0.0010	-0.005
0504 B	1/14/92	6855.40	5.4	6.06	5,014	502	378	161	10.8	121.0	3,119	40.3	3.10	-0.01	-0.00100	-0.0010	-0.005
0504 B	4/7/92	6855.90	5.4	6.21	5,112	500	473	162	13.1	207.0	3,372	31.4	0.92	-0.10	-0.00100	-0.0010	-0.005
0504 B	7/7/92	6855.80	5.1	7.63	5,218	578	463	194	14.1	50.9	3,248	41.0	0.63	-0.10	-0.00100	-0.0010	-0.005
0504 B	10/6/92	6851.70	5.4	5.85	5,061	593	430	185	13.9	63.4	3,278	37.3	0.84	-0.10	-0.00100	-0.0010	-0.005
0504 B	1/21/93	6849.90	5.4	5.90	4,440	525	378	159	14.3	38.1	3,194	43.2	0.93	-0.10	-0.00100	-0.0010	-0.005
0504 B	4/14/93	6849.90	5.6	6.50	4,825	519	494	171	10.4	82.8	3,373	37.6	0.76	-0.10	-0.00100	-0.0010	-0.005
0504 B	7/15/93	6848.40	5.6	4.91	4,659	540	464	160	14.8	13.2	3,430	41.2	0.93	-0.10	-0.00100	-0.0010	-0.005
0504 B	10/6/93	6844.70	5.7	5.67	4,372	543	385	155	11.0	27.6	3,129	33.5	0.60	0.20	-0.00100	-0.0010	-0.005
0504 B	1/5/94	6847.00	5.7	6.01	5,244	578	450	145	10.6	58.5	3,491	38.7	0.80	-0.10	-0.00100		
0504 B	4/13/94	6846.50	5.8	6.01	5,083	580	433	138	10.6	47.9	3,448	37.9	1.82	-0.10	-0.00100		
0504 B	7/21/94	6846.30	5.9	6.25	4,998	600	452	135	11.1	62.8	3,467	32.3	0.91	-0.10	-0.00100		
0504 B	10/5/94	6846.30	5.8	6.56	5,208	604	489	176	12.5	68.3	3,421	35.5	1.40	-0.10	-0.00100		
0504 B	1/5/95	6844.80	5.8	6.41	4,827	570	406	152	12.2	117.0	3,232	35.8	1.38	-0.10	-0.00100		
0504 B	4/5/95	6845.00	5.8	7.46	5,199	527	487	145	11.3	35.4	3,710	37.1	1.49	-0.10	-0.00100		
0504 B	7/6/95	6845.10	6.3	6.51	4,787	515	470	145	11.7	58.7	3,298	33.5	1.64	-0.10	-0.00100		
0504 B	10/4/95	6844.10	6.0	6.70	4,530	490	450	151	11.6	71.1	3,315	33.0	1.36	0.23	-0.00100		
.er	1/4/96	6843.30	6.2	6.44	4,519	530	455	156	11.3	92.0	3,116	32.0	0.66	1.68	-0.00100		

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ZONE 3 DATA SUMMARY
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Well No.	Date	Al (mg/L)	As (mg/L)	Be (mg/L)	Cd (mg/L)	Co (mg/L)	Pb (mg/L)	Mn (mg/L)	Mo (mg/L)	Ni (mg/L)	Se (mg/L)	V (mg/L)	U (mg/L)	Ra-226+ Ra-228 (pCi/L)	Th-230 (pCi/L)	Pb-210 (pCi/L)	Gross Alpha (pCi/L)
	NRC Standard	NA	0.05	0.05	0.01	NA	0.05	NA	NA	0.05	0.01	0.10	0.3	5.0	5.0	1.0	15.0
	EPA Standard	5.00	0.05	0.017	0.01	0.05	0.05	2.60	1.0	0.2	0.01	0.70	5.0	5.0	NA	NA	15.0
0502 B	1/16/98	11.80	0.003	0.010	-0.01	0.58	-0.05	10.70	0.11	0.64	-0.001	0.10	0.1300	28.7	-0.2	-1.0	21.2
0502 B	4/7/98	8.50	-0.001	0.010	0.005	0.50	-0.05	9.35	-0.10	0.52	-0.001	-0.10	0.1260	36.2	-0.2	-1.0	11.9
0502 B	7/7/98	8.32	-0.001	0.010	0.006	0.50	-0.05	10.20	0.14	0.53	-0.001	-0.10	0.1310	36.9	-0.2	-1.0	18.0
0502 B	10/6/98	6.74	0.005	0.010	0.006	0.50	-0.05	9.70	0.11	0.54	-0.001	-0.10	0.1210	30.6	-0.2	-1.0	15.4
0502 B	1/5/99	8.16	-0.001	0.010	0.006	0.47	-0.05	9.65	-0.10	0.52	-0.001	-0.10	0.1350	26.8	-0.2	-1.0	18.1
0502 B	4/6/99	6.86	-0.001	0.010	0.009	0.55	-0.05	10.50	-0.10	0.54	-0.001	-0.10	0.1250	29.6	1.4	-1.0	27.1
0502 B	7/13/99	6.14	-0.001	0.010	0.006	0.42	-0.05	10.60	-0.10	0.42	-0.001	-0.10	0.1200	25.7	1.4	-1.0	14.4
0502 B	10/5/99	8.31	-0.001	0.010	0.008	0.57	-0.05	12.00	0.14	0.49	-0.001	-0.10	0.1320	36.0	-0.2	-1.0	13.1
0502 B	2/22/00	7.15	-0.001	0.020	-0.005	0.50	-0.05	11.40	-0.10	0.53	-0.001	-0.10	0.1310	24.0	-0.2	-1.0	9.8
0502 B	5/28/00																
0502 B	8/21/00																
0504 B	7/23/89	0.25	0.113	-0.050	-0.01	0.14	-0.05	2.50	24.00	0.24	0.001	-0.10	0.1000	32.4	-0.2	-1.0	66.1
0504 B	10/11/89	0.20	0.054	-0.050	0.09	0.26	-0.05	3.10	9.90	0.37	-0.001	-0.10	0.1220	23.3	11.1	2.7	27.5
0504 B	1/3/90	0.22	0.025	-0.050	-0.01	0.16	-0.05	2.30	4.20	0.25	0.001	-0.10	0.2860	28.2	1.6	5.7	18.1
0504 B	4/3/90	-0.10	0.017	-0.050	-0.01	0.30	-0.05	4.10	7.80	0.52	0.001	-0.10	0.1010	29.2	-0.2	1.8	12.5
0504 B	7/2/90	-0.10	0.023	-0.050	-0.01	0.28	-0.05	3.80	8.32	0.45	0.001	-0.10	0.1468	36.2	-0.2	3.3	20.0
0504 B	10/2/90	-0.10	0.021	-0.050	-0.01	0.34	-0.05	3.60	13.30	0.46	-0.001	-0.10	0.1300	31.2	-0.2	-1.0	20.0
0504 B	1/3/91	-0.10	0.002	-0.010	0.01	0.49	-0.05	4.85	3.60	0.60	0.001	-0.10	0.3797	38.9	-0.2	-1.0	25.0
0504 B	4/9/91	-0.10	0.001	-0.050	-0.01	0.35	-0.05	4.39	2.83	0.49	-0.001	-0.10	0.1470	40.9	-0.2	-1.0	25.0
0504 B	7/16/91	-0.10	-0.001	-0.010	-0.01	0.43	-0.05	4.47	2.70	0.54	-0.001	-0.10	0.2790	28.0	-0.2	3.2	16.0
0504 B	10/14/91	-0.10	0.573	-0.010	-0.01	0.22	-0.05	2.96	69.90	0.30	-0.001	-0.10	0.1400	9.0	-0.2	-1.0	7.0
0504 B	1/14/92	-0.10	0.340	-0.010	-0.01	0.50	-0.05	5.08	43.40	0.67	-0.001	-0.10	0.0290	22.2	-0.2	-1.0	16.0
0504 B	4/7/92	-0.10	0.035	-0.010	-0.01	0.53	-0.05	7.10	9.60	0.63	0.002	-0.10	0.1240	20.1	-0.2	-1.0	7.6
0504 B	7/7/92	-0.10	0.388	-0.010	-0.01	0.70	-0.05	6.66	56.40	0.88	0.001	-0.10	0.0200	13.0	-0.2	-1.0	8.5
0504 B	10/6/92	1.10	0.257	-0.010	-0.01	0.66	-0.05	6.88	49.80	0.91	0.002	-0.10	0.0420	20.4	-0.2	-1.0	12.5
0504 B	1/21/93	1.30	0.181	-0.010	-0.01	0.57	-0.05	7.05	45.40	0.90	-0.001	-0.10	0.0330	13.3	-0.2	4.7	10.0
0504 B	4/14/93	0.10	0.042	-0.010	-0.01	-0.01	-0.05	5.94	12.70	0.67	-0.001	-0.10	0.1760	20.8	-0.2	-1.0	10.5
0504 B	7/15/93	1.17	0.139	-0.010	-0.01	1.00	-0.05	6.68	12.40	1.27	0.002	-0.10	0.0640	17.0	-0.2	-1.0	9.9
0504 B	10/6/93	0.17	0.170	-0.010	-0.01	0.52	-0.05	4.94	7.00	0.70	-0.001	-0.10	0.0510	21.5	-0.2	-1.0	15.0
0504 B	1/5/94	-0.10	0.041	-0.010	-0.01	0.46	-0.05	6.00	3.40	0.54	-0.001	-0.10	0.0850	37.1	-0.2	-1.0	46.1
0504 B	4/13/94	-0.10	0.019	-0.010	-0.01	0.52	-0.05	6.09	4.97	0.73	-0.001	-0.10	0.0590	31.1	-0.2	2.6	29.0
0504 B	7/21/94	0.15	0.012	-0.010	-0.01	0.45	-0.05	5.80	1.03	0.60	-0.001	-0.10	0.0840	41.6	-0.2	2.5	53.4
0504 B	10/5/94	-0.10	0.010	-0.010	-0.01	0.36	-0.05	5.14	5.36	0.54	-0.001	-0.10	0.0810	28.3	-0.2	2.0	35.4
0504 B	1/5/95	-0.10	0.009	-0.010	-0.01	0.37	-0.05	4.62	0.85	0.51	-0.001	-0.10	0.1230	39.7	-0.2	-1.0	49.0
0504 B	4/5/95	-0.10	0.011	-0.010	-0.01	0.54	-0.05	6.20	2.67	0.56	-0.001	-0.10	0.0730	31.6	-0.2	-1.0	39.2
0504 B	7/6/95	-0.10	0.010	-0.010	-0.01	0.47	-0.05	5.63	2.11	0.58	-0.001	-0.10	0.0792	27.0	-0.2	1.3	51.9
0504 B	10/4/95	-0.10	0.008	-0.010	-0.01	0.47	-0.05	5.50	0.77	0.61	-0.001	-0.10	0.0780	34.8	-0.2	-1.0	25.5
.er	1/4/96	-0.10	0.005	-0.010	-0.01	0.43	-0.05	4.79	0.52	0.50	-0.001	-0.10	0.1190	37.1	-0.2	3.4	27.4

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TABLE C.1

ZONE 3 DATA SUMMARY
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Well No.	Date	Water Elevation (ft AMSL)	Field pH (SU)	Lab pH (SU)	Lab TDS (mg/L)	Ca (mg/L)	Mg (mg/L)	Na (mg/L)	K (mg/L)	HCO_3 (mg/L)	SO_4 (mg/L)	Cl (mg/L)	NH_4 as N (mg/L)	NO_3 as N (mg/L)	Chloro-form (mg/L)	Naphtha-lene (mg/L)	Cyanide (mg/L)
	NRC Standard	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.001	0.001	0.005
	EPA Standard	NA	NA	NA	4,800	NA	NA	NA	NA	NA	2,125	250.0	NA	190	NA	NA	NA
0504 B	4/2/96	6843.10	7.0	6.82	5,270	530	515	59.4	13.1	61.5	3,630	37.5	0.74	-0.10	-0.00100		
0504 B	7/7/96	6842.70	6.0	6.22	5,316	515	475	153	13.4	44.0	3,440	39.2	0.67	-0.10	-0.00100		
0504 B	10/1/96	6842.20	6.3	6.00	5,260	539	509	154.0	12.7	53.7	3,427	34.6	0.62	-0.10	-0.00100		
0504 B	1/21/97	6843.90	6.1	5.61	5,220	515	525	149.0	14.1	8.5	3,530	34.2	0.72	-0.10	-0.00100		
0504 B	4/8/97	6842.10	6.1	6.92	5,180	537	534	145.0	12.5	76.3	3,640	37.5	0.61	-0.10	-0.00100		
0504 B	7/8/97	6841.30	7.1	6.53	5,390	564	565	153	13.8	42.6	3,850	37.7	0.67	-0.10	-0.00100		
0504 B	10/8/97	6841.70	5.7	6.40	5,350	531	519	141	12.3	26.0	3,430	37.5	0.78	0.15	-0.00100		
0504 B	1/16/98	6841.20	5.8	6.60	5,360	517	520	152	13.4	32.7	3,500	36.4	1.12	0.10	-0.00100		
0504 B	4/7/98	6841.00	5.7	5.91	5,420	518	529	146	12.3	19.2	3,350	32.4	0.76	-0.10	-0.00100		
0504 B	7/7/98	6841.00	6.0	4.34	5,140	503	519	153	12.7	-0.1	3,550	33.0	0.96	-0.10	-0.00100		
0504 B	10/6/98	6841.20	5.7	6.33	5,340	543	555	158	13.8	29.7	3,500	32.7	3.99	0.29	-0.00100		
0504 B	1/5/99	6841.00	5.6	6.36	5,340	463	524	141	12.3	38.0	3,700	33.0	0.70	0.19	-0.00100		
0504 B	4/6/99	6841.20	5.5	6.53	5,370	508	542	140	12.4	31.0	3,440	38.6	0.80	-0.10	-0.00100		
0504 B	7/13/99	6840.81	6.5	6.51	5,350	522	558	132	13.3	28.0	3,500	32.0	0.75	0.38	-0.00100		
0504 B	10/5/99	6841.40	5.7	5.53	5,260	540	583	152	12.5	9.0	3,740	34.0	0.96	0.26	-0.00100		
0504 B	2/22/00	6841.50	6.0	7.11	5,220	497	543	135	12.7	31.0	3,380	30.2	0.64	0.50	-0.00100		
0504 B	5/28/00	6841.40	5.6	6.69	5,500	474	526	134	12.3	51.0	3,480	34.0	0.75	-0.10	-0.00100		
0504 B	7/10/00	6841.30	5.6	6.20	5,510	506	570	150	12.3	48.0	3,440	28.4	0.68	-0.10	-0.00100		
0517*	7/23/89	6899.70	6.0	6.51	3,617	543	291	111	4.5	303.0	2,079	20.9	0.53	39.00	0.00110	-0.0010	-0.005
0517*	10/11/89	6893.20	6.1	6.50	3,738	507	290	117	6.8	298.0	2,199	21.8	0.31	43.00	-0.00100	-0.0010	-0.005
0517*	1/3/90	6894.80	5.4	5.90	4,096	523	318	138	8.1	168.0	2,434	27.9	0.74	45.00	-0.00100	-0.0010	-0.005
0517*	4/3/90	6892.60	5.6	6.24	4,306	515	360	140	8.1	220.0	2,556	28.3	0.90	44.00	-0.00100	-0.0010	-0.005
0517*	7/2/90	6892.90	5.6	6.20	4,318	526	387	127	7.0	231.0	2,456	26.1	0.26	47.80	-0.00100	-0.0010	-0.005
0517*	10/16/90	6892.60	5.5	6.30	4,083	440	532	131	7.2	170.0	2,574	22.8	0.36	27.10	-0.00100	-0.0010	-0.005
0517*	1/16/91	6893.60	5.7	6.42	4,235	554	385	157	8.1	227.0	2,706	27.5	0.25	49.30	-0.00100	-0.0010	-0.005
0517*	4/10/91	6894.50	5.7	6.80	4,204	541	376	136	6.2	284.0	2,370	31.4	0.27	61.00	-0.00100	-0.0010	-0.005
0517*	7/16/91	6891.60	5.6	6.42	4,550	546	353	136	6.8	215.0	3,014	50.3	0.25	67.00	0.00260	-0.0010	-0.005
0517*	10/14/91	6887.60	5.5	6.39	5,348	452	393	175	6.2	142.0	3,173	77.6	0.39	30.30	0.00320	-0.0010	-0.005
0517*	1/14/92	6888.80	5.3	6.04	5,847	490	544	185	7.2	117.0	3,571	76.9	1.76	36.10	0.00320	-0.0010	-0.005
0517*	4/7/92	6888.80	5.3	7.19	5,539	518	495	199	8.1	103.0	3,457	61.7	2.32	26.70	0.00340	-0.0010	-0.005
0517*	7/7/92	6884.70	5.2	6.91	5,413	528	480	195	9.7	85.4	3,334	66.3	3.78	40.50	0.00400	-0.0010	-0.005
0517*	10/6/92	6882.60	5.2	6.73	5,109	530	451	186	7.0	73.2	3,169	62.9	3.29	41.80	0.00410	-0.0010	-0.005
0517*	1/6/93	6883.20	5.3	6.88	4,169	459	374	148	6.9	75.6	2,856	75.8	1.13	48.10	0.00670	-0.0010	-0.005
0517*	4/6/93	6884.20	5.3	6.08	4,493	458	438	183	6.1	71.0	3,066	74.1	3.76	34.50	0.00700	-0.0010	-0.005
0517*	7/13/93	6882.10	5.4	5.64	5,166	557	498	195	9.4	46.1	3,734	77.5	11.90	38.50	0.00880	-0.0010	-0.005
0517*	10/10/93	6880.10	4.8	4.49	5,918	589	508	185	10.3	1.8	3,901	79.6	26.90	39.30	-0.00100	-0.0010	-0.005
0517*	1/5/94	6880.00	4.9	4.60	5,674	518	461	195	11.0	5.7	3,740	88.4	6.52	33.80	0.00950		
0517*	4/13/94	6879.70	4.3	4.29	5,770	515	479	204	12.0	0.0	3,883	108.0	7.25	27.80	0.00850		

Refer to page 1 for explanatory notes

TABLE C.1

ZONE 3 DATA SUMMARY
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Well No.	Date	Al (mg/L)	As (mg/L)	Be (mg/L)	Cd (mg/L)	Co (mg/L)	Pb (mg/L)	Mn (mg/L)	Mo (mg/L)	Ni (mg/L)	Se (mg/L)	V (mg/L)	U (mg/L)	Ra-226+ Ra-228 (pCi/L)	Th-230 (pCi/L)	Pb-210 (pCi/L)	Gross Alpha (pCi/L)
	NRC Standard	NA	0.05	0.05	0.01	NA	0.05	NA	NA	0.05	0.01	0.10	0.3	5.0	5.0	1.0	15.0
	EPA Standard	5.00	0.05	0.017	0.01	0.05	0.05	2.60	1.0	0.2	0.01	0.70	5.0	5.0	NA	NA	15.0
0504 B	4/2/96	-0.10	0.010	-0.010	-0.01	0.50	-0.05	5.73	0.41	0.61	-0.001	-0.10	0.0880	36.2	-0.2	-1.0	23.3
0504 B	7/7/96	-0.10	0.010	-0.010	-0.01	0.49	-0.05	6.04	0.47	0.63	-0.001	-0.10	0.0810	47.5	0.7	2.3	20.4
0504 B	10/1/96	-0.10	0.005	-0.010	-0.01	0.48	-0.05	5.68	0.36	0.60	0.002	-0.10	0.0720	40.1	0.8	-1.0	25.2
0504 B	1/21/97	0.16	0.017	-0.010	-0.01	0.41	-0.05	6.00	0.64	0.57	-0.001	-0.10	0.0570	48.9	-0.2	-1.0	14.1
0504 B	4/8/97	-0.10	-0.001	-0.010	-0.01	0.37	-0.05	5.30	0.67	0.48	-0.001	-0.10	0.1060	43.9	-0.2	-1.0	43.7
0504 B	7/8/97	0.17	0.017	-0.010	-0.01	0.38	-0.05	5.81	1.38	0.49	-0.001	-0.10	0.0680	43.2	-0.2	-1.0	17.0
0504 B	10/8/97	0.16	0.020	-0.010	-0.01	0.45	-0.05	6.71	4.69	0.56	-0.001	-0.10	0.0870	34.7	-0.2	-1.0	16.3
0504 B	1/16/98	1.15	0.025	-0.010	-0.01	0.41	-0.05	6.37	6.75	0.57	-0.001	-0.10	0.1610	39.2	-0.2	-1.0	42.0
0504 B	4/7/98	0.22	0.024	-0.010	-0.005	0.32	-0.05	5.40	7.43	0.43	-0.001	-0.10	0.0594	36.9	-0.2	-1.0	18.7
0504 B	7/7/98	0.23	0.013	-0.010	-0.005	0.31	-0.05	5.78	8.79	0.44	-0.001	-0.10	0.0359	34.6	-0.2	-1.0	20.0
0504 B	10/6/98	0.24	0.019	-0.010	-0.005	0.31	-0.05	5.48	9.20	0.45	-0.001	-0.10	0.0378	29.1	-0.2	-1.0	15.8
0504 B	1/5/99	0.33	0.025	-0.010	0.007	0.30	-0.05	5.60	12.40	0.42	-0.001	-0.10	0.0435	34.4	-0.2	-1.0	32
0504 B	4/6/99	0.37	0.015	-0.010	-0.005	0.33	-0.05	5.80	9.48	0.43	-0.001	-0.10	0.0531	36.3	-0.2	-1.0	50
0504 B	7/13/99	0.17	0.020	-0.010	-0.005	0.24	-0.05	5.70	14.60	0.35	-0.001	-0.10	0.0288	25.7	-0.2	-1.0	17.3
0504 B	10/5/99	-0.10	0.022	-0.010	0.007	0.33	-0.05	6.27	16.30	0.40	0.001	-0.10	0.0392	29.9	-0.2	-1.0	12.6
0504 B	2/22/00	-0.10	0.021	-0.010	-0.005	0.32	-0.05	6.02	14.50	0.48	-0.001	-0.10	0.0454	28.5	-0.2	-1.0	12.3
0504 B	5/28/00	0.30	0.033	-0.010	0.025	0.34	-0.05	6.67	15.70	0.51	-0.001	-0.10	0.0388	37.6	-0.2	-1.0	22.6
0504 B	7/10/00	0.21	0.025	-0.010	-0.005	0.30	-0.05	6.18	13.40	0.41	-0.001	-0.10	0.0498	29.9	-0.2	-1.0	21.0
0517*	7/23/89	-0.10	-0.001	-0.050	-0.01	-0.01	-0.05	0.58	0.14	-0.05	0.001	-0.10	0.2520	21.4	-0.2	2.1	44.1
0517*	10/11/89	-0.10	-0.001	-0.050	-0.01	0.01	0.06	0.64	0.18	-0.05	0.013	-0.10	0.1960	8.5	-0.2	2.8	4.7
0517*	1/3/90	0.11	-0.001	-0.050	-0.01	0.01	-0.05	1.30	0.32	-0.05	0.110	-0.10	0.0880	13.4	-0.2	4.5	10.5
0517*	4/3/90	0.11	-0.001	-0.050	-0.01	0.03	-0.05	2.00	0.16	-0.05	-0.001	-0.10	0.0900	19.5	-0.2	1.0	10.8
0517*	7/2/90	0.10	-0.001	-0.050	-0.01	0.01	-0.05	1.81	0.20	-0.05	0.001	-0.10	0.1360	10.5	-0.2	1.2	10.0
0517*	10/16/90	-0.10	-0.001	-0.050	-0.01	0.04	-0.05	2.89	0.10	-0.09	-0.001	-0.10	0.0460	12.5	-0.2	-1.0	10.0
0517*	1/16/91	-0.10	-0.001	-0.050	-0.01	0.04	-0.05	2.37	-0.10	-0.05	0.001	-0.10	0.0814	11.0	-0.2	-1.0	11.3
0517*	4/10/91	-0.10	-0.001	-0.010	-0.01	0.06	-0.05	2.93	0.17	0.11	0.001	-0.10	0.1666	16.4	-0.2	-1.0	8.0
0517*	7/16/91	-0.10	-0.001	-0.010	-0.01	0.04	-0.05	2.63	0.06	0.01	-0.001	-0.10	0.1490	15.6	-0.2	-1.0	9.0
0517*	10/14/91	0.12	0.001	-0.010	-0.01	0.12	-0.05	4.46	0.10	0.06	-0.001	-0.10	0.0300	11.2	-0.2	-1.0	5.0
0517*	1/14/92	0.13	-0.001	-0.010	-0.01	0.13	-0.05	5.29	0.11	0.09	0.026	-0.10	0.0120	19.9	-0.2	1.3	14.0
0517*	4/7/92	-0.10	0.002	-0.010	-0.01	0.12	-0.05	5.69	-0.10	0.10	0.020	-0.10	0.0300	19.8	-0.2	1.3	6.6
0517*	7/7/92	0.15	-0.001	0.094	-0.01	0.12	-0.05	4.27	-0.10	0.07	0.001	-0.10	0.0060	20.6	-0.2	-1.0	6.9
0517*	10/6/92	0.10	-0.001	-0.005	-0.01	0.13	-0.05	3.92	-0.10	0.12	0.005	-0.10	0.0070	36.7	-0.2	-1.0	8.9
0517*	1/6/93	0.10	-0.001	-0.010	0.01	0.10	-0.05	3.38	-0.10	0.11	0.003	-0.10	0.0110	45.9	-0.2	-1.0	10.6
0517*	4/6/93	-0.10	-0.001	-0.005	-0.01	0.11	-0.05	4.66	-0.10	0.11	0.002	-0.10	0.0070	29.0	-0.2	-1.0	6.9
0517*	7/13/93	0.86	-0.001	-0.005	-0.01	0.20	-0.05	7.27	-0.10	0.17	0.001	-0.10	0.0030	28.8	-0.2	3.6	10.9
0517*	10/10/93	11.20	-0.001	-0.005	-0.01	0.32	-0.05	12.20	-0.10	0.38	-0.001	-0.10	0.0030	50.1	-0.2	-1.0	20.5
0517*	1/5/94	11.10	-0.001	-0.010	-0.01	0.31	-0.05	11.60	-0.10	0.27	-0.001	-0.10	0.0170	54.1	-0.2	1.1	69.8
0517*	4/13/94	96.00	-0.001	-0.010	-0.01	0.67	-0.05	18.50	-0.10	0.72	-0.001	-0.10	0.0680	61.5	-0.2	4.5	81.9

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TABLE C.1

ZONE 3 DATA SUMMARY
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Well No.	Date	Water Elevation (ft AMSL)	Field pH (SU)	Lab pH (SU)	Lab TDS (mg/L)	Ca (mg/L)	Mg (mg/L)	Na (mg/L)	K (mg/L)	HCO_3 (mg/L)	SO_4 (mg/L)	Cl (mg/L)	NH_4 as N (mg/L)	NO_3 as N (mg/L)	Chloro-form (mg/L)	Naphtha-lene (mg/L)	Cyanide (mg/L)
	NRC Standard	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.001	0.001	0.005
	EPA Standard	NA	NA	NA	4,800	NA	NA	NA	NA	NA	2,125	250.0	NA	190	NA	NA	NA
0517*	7/20/94	6878.60	5.1	4.36	6,115	604	516	177	11.7	0.0	4,308	85.9	34.20	32.90	-0.00100		
0517*	10/4/94	6878.00	4.8	4.33	6,218	554	551	204	12.5	0.0	4,563	82.5	22.40	42.50	0.00450		
0517*	1/4/95	6877.20	4.7	4.46	5,507	517	465	178	11.0	0.0	3,665	66.2	40.40	40.30	0.00320		
0517*	4/4/95	6876.80	5.2	4.72	4,608	514	338	143	6.5	6.5	2,999	54.0	17.80	44.90	0.00140		
0517*	7/6/95	6875.90	4.7	4.57	4,312	500	365	142	6.7	1.8	3,040	48.0	36.10	16.40	0.00176		
0517*	10/3/95	6875.10	4.6	4.39	5,058	465	469	185	11.0	0.0	3,745	12.7	41.40	7.29	0.00425		
0517*	1/3/96	6874.40	4.5	4.10	5,807	510	530	174	10.1	0.0	4,100	61.2	28.60	1.51	0.00505		
0517*	4/2/96	6874.00	4.6	4.44	5,804	481	550	170	10.5	0.0	3,995	61.9	27.80	1.38	0.00521		
0517*	7/7/96	6873.80	4.5	4.33	5,635	460	485	175	10.6	0.0	3,590	67.0	24.90	1.44	0.00526		
0517*	10/1/96	6873.60	4.8	4.30	5,520	477	518	182	10.5	0.0	3,578	66.0	22.50	1.35	0.00246		
0517*	1/21/97	6873.50	4.5	4.73	5,210	485	515	175	10.2	6.3	3,585	68.0	21.10	1.47	0.00487		
0517*	4/8/97	6873.30	5.1	4.69	5,260	485	526	169	9.9	4.0	3,710	69.5	18.80	1.11	0.00422		
0517*	7/8/97	6872.70	5.1	4.59	5,350	487	517	179	10.4	2.4	3,470	71.6	20.10	2.58	0.00446		
0517*	10/7/97	6872.60	4.5	4.35	5,310	504	503	165	9.9	-0.1	3,390	74.0	21.40	4.08	0.00608		
0517*	1/15/98	6872.40	4.5	4.63	5,240	507	506	172	10.1	3.3	3,600	64.7	20.00	4.63	0.00510		
0517*	4/7/98	6872.50	4.5	4.57	5,250	478	486	164	9.2	2.0	3,240	58.8	17.70	4.23	0.00570		
0517*	7/7/98	6872.40	4.8	4.45	5,170	480	486	173	9.7	-0.1	3,500	61.8	18.70	4.83	0.00590		
0517*	10/6/98	6872.20	4.6	4.56	5,170	506	505	171	10.2	1.4	3,420	59.9	40.90	5.59	0.00440		
0517*	1/5/99	6871.80	4.6	4.6	5,220	433	477	158	9.0	2.0	3,500	57.8	17.00	4.12	0.00450		
0517*	4/6/99	6870.90	4.5	4.72	5,110	472	478	156	9.4	4.0	3,260	62.5	15.30	4.45	0.00360		
0517*	7/13/99	6871.32	4.6	4.09	5,010	392	493	149	10.0	-0.1	3,300	52.6	14.40	4.19	0.00440		
0517*	10/5/99	6869.10	4.5	4.40	4,970	515	520	164	8.9	-0.1	3,510	54.7	13.70	4.42	0.00500		
0517*	2/22/00	6870.80	4.5	4.67	4,830	476	476	146	9.7	3.0	3,150	50.2	12.50	5.16	0.00450		
0517*	5/28/00	6871.60	4.5	4.67	4,750	436	415	146	9.5	5.0	3,000	54.6	13.00	3.77	0.00540		
0517*	7/18/00	6871.30	4.6	4.70	4,800	461	435	149	8.6	7.0	2,850	50.6	12.50	3.95	0.00510		
0518*	7/23/89	6897.20	3.3	3.44	9,675	443	764	236	35.8	0.0	6,727	64.6	123.00	22.00	0.04300	-0.0010	-0.005
0518*	10/11/89	6892.90	3.2	3.32	10,260	417	770	223	46.8	0.0	6,908	133.0	77.20	29.00	0.04200	-0.0010	-0.005
0518*	1/3/90	6890.20	3.0	3.00	10,370	440	748	228	30.0	0.0	6,962	108.0	40.40	18.70	0.02370	-0.0010	-0.005
0518*	4/3/90	6888.20	2.9	3.26	10,524	431	850	223	29.2	0.0	6,989	84.0	52.00	28.00	0.01560	-0.0010	-0.005
0518*	7/10/90	6886.80	3.3	2.95	9,505	415	768	198	22.3	0.0	6,226	67.0	34.40	16.00	0.02610	-0.0010	-0.005
0518*	10/9/90	6885.60	3.1	3.30	11,417	439	900	248	27.5	0.0	7,573	87.9	45.20	20.60	0.01720	-0.0010	-0.005
0518*	1/4/91	6885.10	3.4	3.62	7,402	476	168	158	33.5	0.0	4,846	85.7	12.60	0.58	0.01890	-0.0010	-0.005
0518*	4/10/91	6887.30	3.8	4.11	7,370	471	686	119	14.2	0.0	4,597	38.3	8.80	-0.01	0.01630	-0.0010	-0.005
0518*	7/16/91	6885.60	3.7	3.64	7,248	467	685	136	12.8	0.0	5,539	23.8	7.60	-0.01	0.01990	-0.0010	-0.005
0518*	10/14/91	6883.90	3.6	3.30	7,257	363	493	145	11.1	0.0	4,652	41.8	7.20	-0.01	0.01750	-0.0010	-0.005
0518*	1/14/92	6884.10	3.6	3.79	7,008	385	645	128	12.9	0.0	4,442	66.8	9.30	-0.01	0.01750	-0.0010	-0.005
0518*	4/7/92	6885.10	3.7	3.44	7,028	419	581	150	15.5	0.0	4,452	32.7	6.87	-0.10	0.01850	-0.0010	-0.005
0518*	7/7/92	6881.60	3.4	3.07	8,076	428	574	244	25.5	0.0	5,279	47.8	17.00	-0.10	0.01600	-0.0010	-0.005

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TABLE C.1

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Well No.	Date	Al (mg/L)	As (mg/L)	Be (mg/L)	Cd (mg/L)	Co (mg/L)	Pb (mg/L)	Mn (mg/L)	Mo (mg/L)	Ni (mg/L)	Se (mg/L)	V (mg/L)	U (mg/L)	Ra-226+ Ra-228 (pCi/L)	Th-230 (pCi/L)	Pb-210 (pCi/L)	Gross Alpha (pCi/L)
	NRC Standard	NA	0.05	0.05	0.01	NA	0.05	NA	NA	0.05	0.01	0.10	0.3	5.0	5.0	1.0	15.0
	EPA Standard	5.00	0.05	0.017	0.01	0.05	0.05	2.60	1.0	0.2	0.01	0.70	5.0	5.0	NA	NA	15.0
0517*	7/20/94	22.90	-0.001	-0.010	-0.01	0.41	-0.05	12.30	-0.10	0.32	-0.001	-0.10	0.0300	54.5	-0.2	-1.0	69.9
0517*	10/4/94	67.10	-0.001	-0.010	-0.01	0.67	-0.05	18.10	0.11	0.51	-0.001	-0.10	0.0610	38.6	-0.2	-1.0	48.0
0517*	1/4/95	42.40	-0.001	-0.010	-0.01	0.28	-0.05	10.50	-0.10	0.27	-0.001	-0.10	0.0500	57.1	-0.2	-1.0	69.3
0517*	4/4/95	10.50	-0.001	-0.010	-0.01	0.14	-0.05	5.65	-0.01	0.11	-0.001	-0.10	0.0430	34.7	-0.2	-1.0	43.8
0517*	7/6/95	14.40	-0.001	-0.010	-0.01	0.21	-0.05	6.21	-0.01	0.17	-0.001	-0.10	0.0684	36.2	1.0	3.8	69.1
0517*	10/3/95	47.00	0.004	-0.010	-0.01	0.16	-0.05	3.00	-0.10	-0.05	0.007	-0.10	0.1421	53.9	1.9	-1.0	94.8
0517*	1/3/96	40.00	0.001	0.020	-0.01	0.83	-0.05	13.70	-0.10	0.79	0.002	-0.10	0.1250	29.0	1.9	1.8	44.6
0517*	4/2/96	27.30	-0.001	0.010	-0.01	0.82	-0.05	12.20	-0.10	0.72	-0.001	-0.10	0.1490	31.8	1.4	21.4	34.6
0517*	7/7/96	21.20	-0.001	0.010	-0.01	0.78	-0.05	12.10	-0.10	0.71	-0.001	-0.10	0.1130	33.1	1.3	5.4	25.5
0517*	10/1/96	16.60	-0.001	-0.010	-0.01	0.71	-0.05	10.90	-0.10	0.66	0.002	-0.10	0.0870	30.6	1.5	-1.0	29.5
0517*	1/21/97	15.80	0.001	-0.010	-0.01	0.67	-0.05	10.50	-0.10	0.60	-0.001	-0.10	0.0760	27.6	-0.2	-1.0	12.0
0517*	4/8/97	11.20	-0.001	-0.010	-0.01	0.62	-0.05	9.18	-0.10	0.56	-0.001	-0.10	0.0770	35.0	-0.2	-1.0	58.5
0517*	7/8/97	14.40	-0.001	-0.010	-0.01	0.64	-0.05	10.50	-0.10	0.51	-0.001	-0.10	0.0820	25.9	-0.2	-1.0	13.3
0517*	10/7/97	18.20	-0.001	-0.010	-0.01	0.77	-0.05	11.30	-0.10	0.66	-0.001	-0.10	0.1110	24.7	0.9	-1.0	10.5
0517*	1/15/98	14.40	-0.001	-0.010	-0.01	0.59	-0.05	9.00	-0.10	0.54	-0.001	-0.10	0.0932	23.9	-0.2	-1.0	44.3
0517*	4/7/98	12.70	-0.001	-0.010	0.007	0.55	-0.05	8.15	-0.10	0.49	-0.001	-0.10	0.0901	29.4	-0.2	6.1	19.7
0517*	7/7/98	13.50	-0.001	-0.010	0.008	0.55	-0.05	8.64	-0.10	0.50	-0.001	-0.10	0.0885	26.4	-0.2	-1.0	23.4
0517*	10/6/98	12.20	-0.001	-0.010	0.009	0.54	-0.05	7.78	-0.10	0.44	-0.001	-0.10	0.0936	24.4	-0.2	-1.0	9.9
0517*	1/5/99	12.30	-0.001	-0.010	0.008	0.55	-0.05	8.11	-0.10	0.45	-0.001	-0.10	0.0924	21.0	-0.2	-1.0	28.7
0517*	4/6/99	12.30	-0.001	-0.010	0.010	0.59	-0.05	8.20	-0.10	0.46	-0.001	-0.10	0.0851	40.9	-0.2	-1.0	61.8
0517*	7/13/99	9.96	-0.001	-0.010	0.010	0.62	-0.05	8.00	-0.10	0.50	-0.001	-0.10	0.0758	20.1	-0.2	-1.0	18.8
0517*	10/5/99	11.20	-0.001	-0.010	0.011	0.61	-0.05	8.82	-0.10	0.44	0.002	-0.10	0.0731	23.0	-0.2	-1.0	10.0
0517*	2/22/00	8.59	-0.001	-0.010	-0.005	0.63	-0.05	8.36	-0.10	0.54	-0.001	-0.10	0.0657	20.7	-0.2	-1.0	7.2
0517*	5/28/00	11.60	-0.001	-0.010	0.056	0.57	-0.05	7.71	-0.10	0.51	-0.001	-0.10	0.0695	30.0	3.2	4.2	20.8
0517*	7/18/00	10.20	-0.001	-0.010	0.008	0.55	-0.05	7.14	-0.10	0.37	-0.001	-0.10	0.0661	22.7	1.7	-1.0	26.7
0518*	7/23/89	420.00	0.001	0.160	-0.01	1.70	0.11	41.00	-0.10	1.90	0.001	-0.10	0.8420	41.0	17.9	4.1	120.0
0518*	10/11/89	500.00	-0.001	0.190	0.03	1.80	0.19	44.00	-0.01	2.10	0.006	1.00	1.0800	22.7	55.8	5.0	70.1
0518*	1/3/90	410.00	0.001	0.160	0.01	1.90	-0.05	41.00	-0.01	2.10	-0.001	0.22	0.9880	14.6	42.0	5.1	54.0
0518*	4/3/90	430.00	0.001	0.180	-0.01	2.10	-0.05	50.00	-0.01	2.50	-0.001	0.16	0.8010	-13.0	10.2	2.2	15.0
0518*	7/10/90	299.00	-0.001	0.130	0.01	1.17	-0.05	36.50	-0.10	1.91	0.001	0.26	1.0770	8.4	6.8	-1.0	15.0
0518*	10/9/90	406.00	0.002	0.210	0.01	2.75	-0.05	51.00	-0.10	3.21	-0.001	0.90	1.7860	22.9	4.0	-1.0	22.0
0518*	1/4/91	128.00	-0.001	0.060	-0.01	1.00	-0.05	19.80	-0.10	1.31	0.001	0.26	0.7028	12.7	6.2	-1.0	15.5
0518*	4/10/91	62.10	-0.001	-0.010	-0.01	0.70	-0.05	11.13	-0.10	0.80	-0.001	0.11	0.3920	18.1	1.6	1.5	12.1
0518*	7/16/91	64.90	-0.001	0.050	0.02	0.96	-0.05	16.40	-0.10	0.94	-0.001	-0.10	0.3040	9.8	-0.2	4.6	4.0
0518*	10/14/91	73.20	-0.001	0.050	0.02	0.97	-0.05	16.80	-0.10	0.91	-0.001	0.12	0.4300	-5.5	-0.2	-1.0	5.0
0518*	1/14/92	63.10	-0.001	-0.030	0.02	1.43	-0.05	14.00	-0.10	0.92	-0.001	0.14	0.2580	18.0	-0.2	1.9	12.0
0518*	4/7/92	41.20	-0.003	-0.030	0.03	0.86	-0.05	18.10	-0.10	0.66	-0.001	-0.10	0.2680	22.5	-0.2	-1.0	5.9
0518*	7/7/92	161.00	-0.001	-0.010	-0.01	1.13	-0.05	20.80	-0.10	1.09	-0.001	0.22	0.8600	7.2	-0.2	-1.0	5.6

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TABLE C.1

ZONE 3 DATA SUMMARY
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Well No.	Date	Water Elevation (ft AMSL)	Field pH (SU)	Lab pH (SU)	Lab TDS (mg/L)	Ca (mg/L)	Mg (mg/L)	Na (mg/L)	K (mg/L)	HCO_3 (mg/L)	SO_4 (mg/L)	Cl (mg/L)	NH_4 as N (mg/L)	NO_3 as N (mg/L)	Chloro-form (mg/L)	Naphtha-lene (mg/L)	Cyanide (mg/L)
	NRC Standard	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.001	0.001	0.005
	EPA Standard	NA	NA	NA	4,800	NA	NA	NA	NA	NA	2,125	250.0	NA	190	NA	NA	NA
0518*	10/13/92	6879.70	3.5	2.99	8,062	447	613	168	17.8	0.0	5,260	48.2	17.30	-0.10	0.01600	-0.0010	-0.005
0518*	1/21/93	6882.50	3.7	2.97	5,822	447	613	168	14.7	0.0	4,456	51.6	4.60	-0.10	0.01600	-0.0010	-0.005
0518*	4/14/93	6883.50	4.2	3.00	5,276	448	530	100	14.0	0.0	3,993	53.7	15.00	-0.10	0.01450	-0.0010	-0.005
0518*	7/15/93	6879.80	3.6	3.06	5,485	433	569	146	14.0	0.0	3,940	34.1	6.40	-0.10	0.01740	-0.0010	-0.005
0518*	10/10/93	6876.00	3.7	3.03	5,631	438	651	131	12.5	0.0	4,358	38.2	8.30	-0.10	0.01420	-0.0010	-0.005
0518*	1/5/94	6880.40	3.6	2.79	6,074	499	619	138	11.3	0.0	4,350	36.3	7.93	0.13	-0.00100		
0518*	4/13/94	6881.30	3.8	3.08	5,991	510	618	122	13.1	0.0	4,246	32.0	10.80	-0.10	0.01610		
0518*	7/21/94	6881.30	4.0	3.17	5,944	481	609	126	13.7	0.0	4,218	24.6	7.69	-0.10	0.01400		
0518*	10/5/94	6881.40	4.0	3.84	5,869	463	652	138	14.5	0.0	4,296	31.3	10.70	-0.10	0.01000		
0518*	1/5/95	6880.90	3.9	3.84	5,872	476	623	128	15.0	0.0	4,462	33.6	14.40	-0.10	0.01410		
0518*	4/5/95	6880.90	3.9	3.30	7,021	628	718	140	14.2	0.0	5,113	29.6	12.80	-0.10	0.01150		
0518*	7/6/95	6880.30	4.4	3.10	6,818	622	595	133	12.6	0.0	4,765	34.2	16.50	-0.10	0.01370		
0518*	10/4/95	6880.20	3.6	3.08	4,162	618	314	173	6.2	0.0	3,064	28.7	5.22	-0.10	0.01690		
0518*	1/4/96	6880.10	3.2	3.11	7,039	670	660	145	10.5	0.0	5,245	33.4	9.00	-0.10	0.01530		
0518*	4/2/96	6880.20	3.4	3.50	7,408	661	700	141	11.6	0.0	5,180	37.3	9.20	0.13	0.01470		
0518*	7/7/96	6879.50	3.5	3.24	5,648	453	691	155	12.5	0.0	5,139	42.8	13.00	1.20	0.01560		
0518*	10/1/96	6879.20	3.8	3.31	7,580	448	688	144	12.9	0.0	4,928	35.8	8.95	0.25	0.01320		
0518*	1/21/97	6879.70	4.0	3.26	7,340	440	680	147	13.8	0.0	4,920	34.3	9.21	2.28	0.01390		
0518*	4/8/97	6848.80	3.3	3.55	7,480	469	720	138	13.3	0.0	5,250	38.7	8.40	1.75	0.01220		
0518*	7/8/97	6878.40	3.7	3.56	7,630	488	742	148	14.6	0.0	5,370	41.0	8.29	2.46	0.01060		
0518*	10/8/97	6878.40	3.0	3.43	7,460	460	698	141	13.9	-0.1	4,990	39.4	9.32	2.87	0.00680		
0518*	1/16/98	6878.30	3.7	3.73	7,650	453	683	145	15.1	-0.1	5,000	39.4	9.54	1.89	0.01180		
0518*	4/7/98	6878.30	3.7	3.48	7,600	454	702	184	13.8	-0.1	4,920	35.9	8.37	2.84	0.01110		
0518*	7/7/98	6877.90	3.7	3.64	7,020	446	692	137	14.4	-0.1	4,600	33.7	8.31	1.44	0.00980		
0518*	10/6/98	6877.80	3.4	3.66	7,050	466	723	144	15.9	-0.1	4,800	35.8	4.48	1.89	0.01000		
0518*	1/6/99	6839.70	3.3	3.54	7,640	482	724	150	14.2	-0.1	5,000	38.7	8.24	2.26	0.00830		
0518*	4/6/99	6839.80	3.3	3.75	7,380	436	699	125	14.4	-0.1	4,800	43.5	7.28	1.37	0.00830		
0518*	7/13/99	6877.28	3.5	3.62	7,690	464	737	129	16.1	-0.1	5,000	31.7	7.17	0.62	0.00830		
0518*	10/5/99	6839.20	3.5	3.61	7,660	478	772	139	14.7	-0.1	5,300	35.4	8.36	0.98	0.00830		
0518*	2/22/00	6839.30	3.3	3.58	7,540	445	729	128	15.5	-0.1	4,960	37.1	7.70	1.50	0.00790		
0518*	5/28/00																
0518*	8/21/00																
0711	6/4/00	6863.55	4.8	5.61	5,410	489	522	100	11.1	10	3,380	14.2	0.57	-0.10	-0.00100		
0711 Dup	6/4/00			5.66	5,480	458	494	96.7	10.7	9	3,220	15.4	0.56	-0.10	-0.00100		
0711	7/10/00	6863.50	4.8	3.98	5,400	518	542	101	10.9	-0.1	3,490	20.0	0.58	-0.10	-0.00100		
0711 Dup	7/10/00			5.31	5,440	513	537	101	10.9	9	3,510	19.8	0.59	-0.10	-0.00100		
EPA 01	7/25/89	6804.30	6.5	6.40	4,590	648	380	161	10.2	427.0	2,852	29.3	0.83	0.01	-0.00100	-0.0010	-0.005
EPA 01	10/4/89	6804.50	6.6	6.73	4,522	620	352	158	13.4	466.0	2,844	25.9	0.32	0.01	-0.00100	-0.0010	-0.005
EPA 01	1/16/90	6804.20	6.4	6.56	4,632	576	352	161	10.6	458.0	2,842	29.5	0.46	0.02	-0.00100	-0.0010	-0.005

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Well No.	Date	Al (mg/L)	As (mg/L)	Be (mg/L)	Cd (mg/L)	Co (mg/L)	Pb (mg/L)	Mn (mg/L)	Mo (mg/L)	Ni (mg/L)	Se (mg/L)	V (mg/L)	U (mg/L)	Ra-226+ Ra-228 (pCi/L)	Th-230 (pCi/L)	Pb-210 (pCi/L)	Gross Alpha (pCi/L)
	NRC Standard	NA	0.05	0.05	0.01	NA	0.05	NA	NA	0.05	0.01	0.10	0.3	5.0	5.0	1.0	15.0
	EPA Standard	5.00	0.05	0.017	0.01	0.05	0.05	2.60	1.0	0.2	0.01	0.70	5.0	5.0	NA	NA	15.0
0518*	10/13/92	123.00	-0.001	-0.010	0.02	1.17	-0.05	20.30	-0.10	1.06	-0.001	0.40	1.2200	13.1	16.1	-1.0	6.9
0518*	1/21/93	32.50	0.001	-0.010	-0.01	0.42	-0.05	11.80	-0.10	0.93	-0.001	-0.10	0.1890	11.2	2.2	3.7	8.5
0518*	4/14/93	39.10	0.001	-0.010	-0.01	0.93	-0.05	13.70	-0.10	1.05	-0.001	-0.10	0.2520	29.4	-2.0	1.9	9.7
0518*	7/15/93	51.00	-0.001	-0.010	-0.01	0.90	-0.05	14.40	-0.10	0.80	-0.001	0.15	0.1700	6.5	-2.0	-1.0	4.7
0518*	10/10/93	68.00	0.003	0.053	-0.01	0.75	-0.05	14.90	-0.10	0.92	-0.001	-0.10	0.2890	8.0	21.2	1.2	30.5
0518*	1/5/94	65.60	-0.001	0.050	-0.01	0.93	-0.05	16.80	-0.10	0.80	-0.001	0.10	0.3310	-6.5	12.1	3.1	18.6
0518*	4/13/94	56.70	0.001	0.030	-0.01	0.77	-0.05	12.60	-0.10	0.80	-0.001	0.16	0.3060	14.8	-0.2	2.0	19.7
0518*	7/21/94	53.40	-0.001	0.020	-0.01	0.86	-0.05	14.50	-0.10	0.73	-0.001	-0.10	0.2370	26.0	-0.2	7.6	34.6
0518*	10/5/94	37.90	0.001	-0.010	-0.01	1.04	-0.05	9.65	-0.10	0.54	0.004	-0.10	0.3020	26.3	-0.2	-1.0	35.2
0518*	1/5/95	62.20	-0.001	-0.010	-0.01	0.96	-0.05	15.00	-0.10	0.90	-0.001	0.15	0.3210	18.8	25.2	-1.0	47.9
0518*	4/5/95	64.00	0.001	0.040	0.02	0.97	-0.05	15.40	-0.10	0.88	-0.001	0.23	0.3320	23.2	8.6	2.4	38.9
0518*	7/6/95	85.00	0.002	0.050	-0.01	0.99	-0.05	15.90	-0.10	0.91	-0.001	0.28	0.5747	16.5	17.7	1.9	38.6
0518*	10/4/95	-0.10	0.002	-0.010	-0.01	0.14	-0.05	0.26	-0.10	-0.05	0.003	-0.10	0.0530	-2.5	-0.2	-1.0	4.3
0518*	1/4/96	98.50	0.001	0.050	-0.01	1.01	-0.05	15.50	-0.10	0.91	-0.001	0.16	0.4720	13.7	25.0	4.2	17.9
0518*	4/2/96	97.00	-0.001	0.050	-0.01	1.02	-0.05	15.40	-0.10	0.87	-0.001	0.13	0.5870	15.8	16.2	-1.0	28.3
0518*	7/7/96	122.00	-0.001	-0.010	-0.01	1.14	-0.05	17.30	-0.10	1.08	-0.001	0.14	0.5480	14.2	23.2	6.2	49.2
0518*	10/1/96	100.00	-0.001	0.060	-0.01	1.06	-0.05	15.90	-0.10	0.99	-0.001	-0.10	0.4200	-7.0	18.6	-1.0	31.3
0518*	1/21/97	100.00	0.002	0.060	-0.01	1.09	-0.05	16.20	-0.10	1.01	-0.001	0.19	0.3560	-7.8	18.6	-1.0	11.7
0518*	4/8/97	104.00	-0.001	0.060	-0.01	1.06	-0.05	17.50	-0.10	1.02	-0.001	0.16	0.4450	-7.0	-0.2	5.6	23.9
0518*	7/8/97	106.00	-0.001	0.060	-0.01	1.14	-0.05	18.50	-0.10	0.98	-0.001	-0.10	0.3680	-9.7	16.7	-1.0	18.5
0518*	10/8/97	110.00	-0.001	0.070	-0.01	1.28	-0.05	18.70	-0.10	1.17	-0.001	-0.10	0.3670	-7.6	13.1	-1.0	11.9
0518*	1/16/98	87.30	-0.001	0.060	-0.01	1.19	-0.05	17.30	-0.10	1.16	-0.001	-0.10	0.3840	-7.8	9.0	-1.0	9.6
0518*	4/7/98	70.40	-0.001	0.060	0.007	1.05	-0.05	15.00	-0.10	1.04	-0.001	-0.10	0.3720	-6.0	12.3	-1.0	12.0
0518*	7/7/98	75.80	-0.001	0.060	0.009	1.05	-0.05	16.20	-0.10	1.00	-0.001	-0.10	0.3470	-6.6	9.2	7.0	17.0
0518*	10/6/98	90.40	0.001	0.060	0.007	1.16	-0.05	17.5	-0.10	1.06	-0.001	-0.10	0.3630	7.9	8	-1.0	16.6
0518*	1/6/99	80.40	-0.001	0.060	0.011	1.26	-0.05	17.2	-0.10	1.37	-0.001	-0.10	0.3450	7.5	9.4	-1.0	9.5
0518*	4/6/99	76.60	-0.001	0.060	0.010	1.15	-0.05	16.6	-0.10	1.15	-0.001	-0.10	0.3280	6.4	4.1	-1.0	15.3
0518*	7/13/99	69.50	-0.001	0.050	-0.005	1.11	-0.05	16.2	-0.10	1.10	-0.001	-0.10	0.0198	3.5	7.8	-1.0	14.0
0518*	10/5/99	86.50	-0.001	0.060	0.010	1.17	-0.05	18.4	-0.10	1.18	-0.001	-0.10	0.3270	10.7	7.1	-1.0	13.6
0518*	2/22/00	55.10	-0.001	0.050	-0.005	1.04	-0.05	17.1	-0.10	1.06	0.001	-0.10	0.3060	-10.1	8.5	-1.0	12.3
0518*	5/28/00																
0518*	8/21/00																
0711	6/4/00	1.40	0.039	-0.010	0.020	0.41	-0.05	8.42	0.15	0.38	-0.001	-0.10	0.0645	26.6	-0.2	-1	15.9
0711 Dup	6/4/00	1.50	0.039	-0.010	0.016	0.42	-0.05	8.43	0.16	0.4	-0.001	-0.10	0.0655	27.4	-0.2	-1	14.4
0711	7/10/00	1.51	0.032	-0.010	-0.005	0.42	-0.05	8.39	0.11	0.35	-0.001	-0.10	0.0613	28.2	-0.2	-1	14.2
0711 Dup	7/10/00	1.47	0.032	-0.010	-0.005	0.43	-0.05	8.29	0.11	0.35	-0.001	-0.10	0.0595	26.1	-0.2	-1	14.5
EPA 01	7/25/89	0.39	0.149	-0.050	0.01	-0.01	-0.05	4.70	62.00	-0.05	-0.001	-0.10	0.0034	1.4	1.8	-1.0	3.0
EPA 01	10/4/89	0.45	0.156	-0.050	0.01	-0.01	-0.05	4.90	50.00	-0.05	-0.001	-0.10	0.0050	-1.2	-0.2	-1.0	-1.0
EPA 01	1/16/90	0.20	0.142	-0.050	-0.01	-0.01	-0.05	5.00	49.00	-0.05	-0.001	-0.10	0.0040	-1.2	-0.2	1.6	1.8

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TABLE C.1

ZONE 3 DATA SUMMARY
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Well No.	Date	Water Elevation (ft AMSL)	Field pH (SU)	Lab pH (SU)	Lab TDS (mg/L)	Ca (mg/L)	Mg (mg/L)	Na (mg/L)	K (mg/L)	HCO_3 (mg/L)	SO_4 (mg/L)	Cl (mg/L)	NH_4 as N (mg/L)	NO_3 as N (mg/L)	Chloro-form (mg/L)	Naphtha-lene (mg/L)	Cyanide (mg/L)
	NRC Standard	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.001	0.001	0.005
	EPA Standard	NA	NA	NA	4,800	NA	NA	NA	NA	NA	2,125	250.0	NA	190	NA	NA	NA
EPA 01	4/17/90	6803.80	6.3	6.76	4,714	593	244	156	10.2	468.0	2,662	30.4	0.63	0.07	-0.00100	-0.0010	-0.005
EPA 01	7/12/90	6803.10	6.4	6.78	4,725	583	360	151	10.8	482.0	2,652	29.7	0.26	0.10	-0.00100	-0.0010	-0.005
EPA 01	10/16/90	6802.90	6.3	7.19	4,706	633	388	172	12.8	448.0	2,800	32.0	0.36	0.11	-0.00100	-0.0010	-0.005
EPA 01	1/8/91	6802.30	6.4	6.70	4,730	628	384	159	29.0	436.0	2,719	66.0	0.51	0.05	-0.00100	-0.0010	-0.005
EPA 01	4/16/91	6802.20	6.3	7.74	4,746	608	368	161	11.2	480.0	2,596	34.1	0.46	0.29	-0.00100	-0.0010	-0.005
EPA 01	7/3/91	6801.80	6.4	6.99	4,494	560	333	141	9.0	488.0	2,905	31.8	0.21	-0.01	-0.00100	-0.0010	-0.005
EPA 01	10/22/91	6801.40	6.4	7.14	4,713	584	344	156	10.2	483.0	2,853	38.1	0.32	-0.01	-0.00100	-0.0010	-0.005
EPA 01	1/22/92	6801.00	6.3	7.31	4,824	584	344	148	9.7	452.0	2,905	36.2	-0.05	-0.01	-0.00100	-0.0010	-0.005
EPA 01	4/2/92	6800.50	6.1	7.35	4,238	566	365	188	12.3	462.0	2,813	34.5	0.46	-0.01	-0.00100	-0.0010	-0.005
EPA 01	7/15/92	6799.10	6.2	7.01	4,765	582	375	173	11.5	459.0	2,868	36.1	0.42	-0.10	-0.00100	-0.0010	-0.005
EPA 01	10/12/92	6798.60	6.3	6.93	4,708	567	342	155	11.5	425.0	3,104	35.5	0.53	-0.10	-0.00100	-0.0010	-0.005
EPA 01	1/13/93	6798.10	6.3	6.96	4,557	574	320	171	12.5	423.0	2,834	36.0	0.48	-0.10	-0.00100	-0.0010	-0.005
EPA 01	4/15/93	6797.90	6.3	8.00	4,149	532	376	165	9.2	373.0	2,836	31.2	0.17	0.60	-0.00100	-0.0010	-0.005
EPA 01	7/20/93	6797.50	6.4	7.10	4,178	601	326	145	10.7	421.0	2,769	33.0	0.24	-0.10	-0.00100	0.0016	-0.005
EPA 01	10/12/93	6796.30	6.8	6.92	4,118	578	326	155	9.2	404.0	2,815	30.2	0.08	-0.10	-0.00100	-0.0010	-0.005
EPA 01	1/11/94	6796.90	6.7	7.66	4,656	566	339	132	9.1	333.0	3,005	28.4	-0.05	0.60	-0.00100		
EPA 01	4/20/94	6796.50	6.6	6.67	4,260	560	342	132	8.7	345.0	2,874	27.6	0.62	0.16	-0.00100		
EPA 01	7/26/94	6797.40	6.7	7.51	4,000	570	348	129	8.8	328.0	2,726	27.6	0.12	0.14	-0.00100		
EPA 01	10/11/94	6795.90	6.7	7.84	4,596	622	383	157	10.3	349.0	3,145	26.6	0.36	0.58	-0.00100		
EPA 01	1/10/95	6795.60	6.6	7.60	4,626	705	261	144	12.0	309.0	2,941	28.9	0.46	0.44	-0.00100		
EPA 01	4/11/95	6795.90	6.8	6.98	4,431	616	318	131	9.6	360.0	2,885	31.9	0.57	0.12	-0.00100		
EPA 01	7/11/95	6795.30	7.0	7.93	4,039	595	356	132	9.6	367.0	2,673	28.7	0.36	0.52	-0.00100		
EPA 01	10/10/95	6795.20	6.9	7.81	4,065	600	355	144	10.1	334.0	2,730	24.5	0.31	0.24	-0.00100		
EPA 01	1/10/96	6794.90	7.1	7.34	4,572	595	360	129	9.1	276.0	2,935	33.0	0.06	0.31	-0.00100		
EPA 01	4/10/96	6794.80	7.5	7.88	4,540	615	370	128	10.2	248.0	3,000	26.1	0.07	0.22	-0.00100		
EPA 01	7/17/96	6794.70	7.0	7.29	4,458	560	330	135	10.4	242.0	2,925	25.2	0.05	-0.10	-0.00100		
EPA 01	10/8/96	6794.50	7.0	7.43	4,440	635	377	134	10.2	248.0	2,926	24.1	0.11	-0.10	-0.00100		
EPA 01	7/15/97	6801.00	6.1	7.67	4,630	628	375	134	10.4	200.0	3,000	25.2	0.08	0.14	-0.00100		
EPA 01	10/15/97	6794.80		7.87	4,600	638	394	137	10.2	196.0	3,050	31.4	0.54	0.24	-0.00100		
EPA 09	7/26/89	6911.00	6.1	5.54	5,122	543	558	122	11.9	122.0	3,598	28.1	0.43	0.07	-0.00100	-0.0010	-0.005
EPA 09	10/5/89	6911.20	4.8	6.06	5,382	507	580	118	15.0	92.5	3,566	28.3	0.62	0.07	-0.00100	-0.0010	-0.005
EPA 09	1/16/90	6911.20	5.7	6.15	4,982	458	498	125	12.0	214.0	3,210	23.8	0.38	0.15	-0.00100	-0.0010	-0.005
EPA 09	4/17/90	6911.10	5.5	6.00	5,133	479	492	130	11.5	274.0	3,261	28.0	0.46	0.18	-0.00100	-0.0010	-0.005
EPA 09	7/17/90	6910.80	4.9	4.30	5,971	494	619	115	11.7	0.0	4,248	26.8	0.45	0.03	-0.00100	-0.0010	-0.005
EPA 09	10/16/90	6910.90	4.7	4.29	5,548	494	554	117	12.5	50.0	3,753	33.7	0.41	0.02	-0.00100	-0.0010	-0.005
EPA 09	1/8/91	6910.70	5.3	6.19	5,309	548	569	131	16.0	105.0	3,561	31.1	0.49	-0.01	-0.00100	-0.0010	-0.005
EPA 09	4/17/91	6910.90	5.3	6.25	5,360	458	543	124	13.2	68.0	3,576	27.3	0.43	0.03	-0.00100	-0.0010	-0.005
EPA 09	7/3/91	6910.70	4.8	6.27	4,927	453	516	107	10.2	121.0	3,446	37.7	0.50	0.20	-0.00100	-0.0010	-0.005

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TABLE C.1

ZONE 3 DATA SUMMARY
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Well No.	Date	Al (mg/L)	As (mg/L)	Be (mg/L)	Cd (mg/L)	Co (mg/L)	Pb (mg/L)	Mn (mg/L)	Mo (mg/L)	Ni (mg/L)	Se (mg/L)	V (mg/L)	U (mg/L)	Ra-226+ Ra-228 (pCi/L)	Th-230 (pCi/L)	Pb-210 (pCi/L)	Gross Alpha (pCi/L)
	NRC Standard	NA	0.05	0.05	0.01	NA	0.05	NA	NA	0.05	0.01	0.10	0.3	5.0	5.0	1.0	15.0
	EPA Standard	5.00	0.05	0.017	0.01	0.05	0.05	2.60	1.0	0.2	0.01	0.70	5.0	5.0	NA	NA	15.0
EPA 01	4/17/90	0.41	0.183	-0.050	-0.01	-0.01	-0.05	5.00	46.00	-0.05	-0.001	-0.10	0.0030	-1.2	-0.2	-1.0	1.3
EPA 01	7/12/90	-0.10	0.195	-0.050	-0.01	0.05	-0.05	5.45	40.30	-0.05	-0.001	-0.10	0.0068	-1.2	-0.2	-1.0	-1.0
EPA 01	10/16/90	-0.10	0.318	-0.050	-0.01	0.02	-0.05	4.86	41.20	-0.05	-0.001	-0.10	0.0062	-1.2	-0.2	2.0	-1.0
EPA 01	1/8/91	-0.10	0.181	-0.010	0.01	0.03	-0.05	5.18	43.10	-0.05	-0.001	-0.10	0.0054	-1.2	-0.2	-1.0	-1.0
EPA 01	4/16/91	-0.10	0.193	-0.010	-0.01	0.02	-0.05	4.88	38.40	-0.05	-0.001	-0.10	0.0050	-1.2	-0.2	-1.0	-1.0
EPA 01	7/3/91	-0.10	0.190	-0.010	-0.01	0.03	-0.05	4.37	35.90	-0.05	-0.001	-0.10	0.0118	-1.4	-0.2	-1.0	-1.0
EPA 01	10/22/91	-0.10	0.242	-0.010	-0.01	0.01	-0.05	4.00	35.30	-0.05	-0.001	-0.10	0.0041	-1.2	-0.2	3.2	-1.0
EPA 01	1/22/92	-0.10	0.210	-0.010	-0.01	0.03	-0.05	4.43	42.10	-0.05	-0.001	-0.10	0.0070	-2.0	-0.2	-1.0	1.0
EPA 01	4/2/92	-0.10	0.175	-0.010	0.01	0.03	-0.05	4.76	41.30	-0.05	-0.001	-0.10	0.0920	-1.2	-0.2	1.3	-1.0
EPA 01	7/15/92	-0.10	0.176	-0.010	0.01	0.03	-0.05	4.68	36.90	-0.05	-0.001	-0.10	0.0070	-1.6	-0.2	-1.0	-1.0
EPA 01	10/12/92	0.12	0.303	-0.010	-0.01	0.02	-0.05	4.45	35.00	-0.05	-0.001	-0.10	0.0110	-1.5	-0.2	-1.0	-1.0
EPA 01	1/13/93	-0.10	0.059	-0.010	0.01	-0.01	-0.05	4.07	31.20	-0.05	-0.001	-0.10	0.0040	-1.2	-0.2	-1.0	-1.0
EPA 01	4/15/93	-0.10	0.060	-0.010	-0.01	-0.01	-0.05	4.31	35.30	0.06	-0.001	-0.10	0.0160	-3.3	-0.2	-1.0	-1.0
EPA 01	7/20/93	-0.10	0.047	-0.010	-0.01	-0.01	-0.05	4.31	31.90	-0.05	-0.001	-0.10	0.0210	-2.2	-0.2	4.7	-1.0
EPA 01	10/12/93	-0.10	0.107	-0.010	0.01	0.02	-0.05	3.47	35.50	-0.05	-0.001	-0.10	0.0090	-1.8	-0.2	-1.0	-1.0
EPA 01	1/11/94	-0.10	0.050	-0.010	-0.01	0.02	-0.05	3.84	39.70	0.19	-0.001	-0.10	0.0170	-5.6	-0.2	1.8	9.1
EPA 01	4/20/94	-0.10	0.071	-0.010	-0.01	-0.01	-0.05	3.02	28.10	-0.05	-0.001	-0.10	0.0080	-1.2	-0.2	-1.0	-1.0
EPA 01	7/26/94	-0.10	0.055	-0.010	-0.01	0.05	-0.05	4.13	30.00	0.14	-0.001	-0.10	0.0080	3.4	-0.2	1.4	4.9
EPA 01	10/11/94	-0.10	0.050	-0.010	-0.01	0.05	-0.05	3.47	31.50	0.12	-0.001	-0.10	0.0100	-1.2	-0.2	3.5	-1.0
EPA 01	1/10/95	-0.10	0.069	-0.010	-0.01	0.05	-0.05	3.60	34.10	0.20	-0.001	-0.10	0.0090	1.6	-0.2	1.1	2.4
EPA 01	4/11/95	-0.10	0.036	-0.010	-0.01	0.03	-0.05	3.58	26.40	0.05	-0.001	-0.10	0.0050	-1.2	-0.2	-1.0	-1.0
EPA 01	7/11/95	-0.10	0.043	-0.010	-0.01	-0.01	-0.05	3.59	28.10	-0.05	-0.001	-0.10	0.0060	-1.2	-0.2	11.0	1.1
EPA 01	10/10/95	-0.10	0.037	-0.010	-0.01	0.04	-0.05	3.60	28.10	0.07	-0.001	-0.10	0.0120	-1.2	-0.2	2.7	1.3
EPA 01	1/10/96	-0.10	0.016	-0.010	-0.01	0.04	-0.05	3.48	26.90	0.08	-0.001	-0.10	0.0098	-1.6	-0.2	-1.0	-1.0
EPA 01	4/10/96	-0.10	0.017	-0.010	-0.01	0.05	-0.05	3.21	28.50	0.09	-0.001	-0.10	0.0120	2.0	-0.2	-1.0	-1.0
EPA 01	7/17/96	-0.10	0.015	-0.010	-0.01	0.10	-0.05	3.54	24.60	0.18	-0.001	-0.10	0.0087	-1.2	-0.2	-1.0	-1.0
EPA 01	10/8/96	-0.10	0.019	-0.010	-0.01	0.11	-0.05	3.34	23.80	0.20	-0.001	-0.10	0.0078	-1.2	-0.2	-1.0	-1.0
EPA 01	7/15/97	-0.10	0.009	-0.010	-0.01	0.18	-0.05	4.04	11.50	0.18	-0.001	-0.10	0.0080	-1.2	-0.2	-1.0	-1.0
EPA 01	10/15/97	-0.10	0.010	-0.010	-0.01	0.28	-0.05	4.73	10.40	0.21	-0.001	-0.10	0.0100	-1.2	-0.2	-1.0	-1.0
EPA 09	7/26/89	0.22	-0.001	-0.050	-0.01	0.12	-0.05	4.50	-0.10	0.09	-0.001	-0.10	0.0020	6.7	6.5	2.1	4.1
EPA 09	10/5/89	1.00	-0.001	-0.050	-0.01	0.11	-0.05	4.00	-0.01	0.08	-0.001	-0.10	0.0030	-7.0	2.2	-1.0	9.1
EPA 09	1/16/90	-0.10	-0.001	-0.050	-0.01	0.08	-0.05	2.80	-0.01	-0.05	-0.001	-0.10	0.0030	3.1	-0.2	-1.0	2.5
EPA 09	4/17/90	0.25	0.001	-0.050	0.01	0.09	-0.05	3.70	-0.10	0.05	-0.001	-0.10	0.0020	-5.2	-0.2	-1.0	4.6
EPA 09	7/17/90	8.00	-0.009	-0.050	-0.01	0.21	-0.05	6.79	-0.10	0.19	-0.001	-0.10	0.0078	20.4	-0.2	-1.0	10.0
EPA 09	10/16/90	1.10	0.001	-0.050	-0.01	0.14	-0.05	4.74	0.10	0.16	-0.001	-0.10	0.0021	13.6	-0.2	-1.0	9.0
EPA 09	1/8/91	0.61	-0.001	-0.010	-0.01	0.29	-0.05	6.35	-0.10	0.29	-0.001	-0.10	0.0562	5.2	-0.2	-1.0	4.0
EPA 09	4/17/91	4.90	-0.001	-0.010	-0.01	0.24	-0.05	5.77	-0.10	0.25	-0.001	-0.10	0.0220	19.3	-0.2	-1.0	14.0
EPA 09	7/3/91	1.52	0.002	-0.010	-0.01	0.19	-0.05	5.09	-0.10	0.17	-0.001	-0.10	0.0137	11.6	-0.2	-1.0	7.0

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TABLE C.1

ZONE 3 DATA SUMMARY
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Well No.	Date	Water Elevation (ft AMSL)	Field pH (SU)	Lab pH (SU)	Lab TDS (mg/L)	Ca (mg/L)	Mg (mg/L)	Na (mg/L)	K (mg/L)	HCO_3 (mg/L)	SO_4 (mg/L)	Cl (mg/L)	NH_4 as N (mg/L)	NO_3 as N (mg/L)	Chloro-form (mg/L)	Naphtha-lene (mg/L)	Cyanide (mg/L)
	NRC Standard	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.001	0.001	0.005
	EPA Standard	NA	NA	NA	4,800	NA	NA	NA	NA	NA	2,125	250.0	NA	190	NA	NA	NA
EPA 09	10/22/91	6910.80	5.0	5.97	5,269	475	501	119	11.1	122.0	3,555	33.2	0.42	-0.01	-0.00100	-0.0010	-0.005
EPA 09	1/22/92	6911.60	5.2	5.29	6,127	484	567	110	11.1	14.7	4,132	27.7	0.93	0.49	-0.00100	-0.0010	-0.005
EPA 09	4/2/92	6910.60	5.4	6.61	5,681	576	609	133	15.1	60.9	4,137	34.4	0.73	-0.10	-0.00100	-0.0010	-0.005
EPA 09	7/15/92	6909.70	5.8	3.88	6,008	496	573	122	12.4	0.0	3,956	66.8	0.28	0.10	-0.00100	-0.0010	-0.005
EPA 09	10/14/92	6909.70	5.3	3.90	6,070	479	537	109	12.0	0.0	3,996	51.0	0.45	-0.10	-0.00100	-0.0010	-0.005
EPA 09	1/13/93	6909.50	5.6	7.06	5,015	493	475	116	12.1	105.0	3,403	24.4	0.67	-0.10	-0.00100	-0.0010	-0.005
EPA 09	4/15/93	6909.60	5.3	6.44	4,596	425	494	126	9.9	62.3	3,487	27.9	0.45	0.20	-0.00100	-0.0010	-0.005
EPA 09	7/20/93	6909.80	5.6	5.94	4,554	493	464	117	10.9	54.8	3,250	30.0	0.25	-0.10	-0.00100	-0.0010	-0.005
EPA 09	10/12/93	6907.00	5.9	5.89	4,633	497	490	115	10.8	86.4	3,399	27.3	0.42	-0.10	-0.00100	-0.0010	-0.005
EPA 09	1/12/94	6908.00	4.4	2.87	5,738	535	556	101	11.8	0.0	4,110	55.2	0.58	0.13	-0.00100		
EPA 09	4/20/94	6908.70	5.4	3.62	5,771	550	556	108	10.0	0.0	4,149	30.0	1.82	-0.10	-0.00100		
EPA 09	7/26/94	6909.50	5.2	6.16	4,732	540	479	115	10.3	31.3	3,472	28.0	0.46	-0.10	-0.00100		
EPA 09	10/11/94	6908.40	5.0	3.63	5,664	508	603	119	11.3	0.0	4,045	28.7	1.08	-0.10	-0.00100		
EPA 09	1/10/95	6908.20	5.3	4.92	6,144	560	650	117	13.3	10.3	4,239	28.9	1.78	-0.10	-0.00100		
EPA 09	4/11/95	6908.60	6.2	6.04	5,264	550	526	120	11.5	119.0	3,500	15.7	1.15	-0.10	-0.00100		
EPA 09	7/11/95	6907.90	5.9	6.06	5,046	498	540	120	11.5	34.1	3,485	29.8	1.04	-0.10	-0.00100		
EPA 09	10/10/95	6908.00	5.7	6.95	5,003	510	530	120	11.6	70.8	3,475	27.0	0.88	-0.10	-0.00100		
EPA 09	1/9/96	6907.60	5.6	5.94	5,085	485	550	109	11.3	52.8	3,790	28.4	0.24	-0.10	-0.00100		
EPA 09	4/10/96	6907.60	5.9	6.20	5,494	525	575	107	11.7	27.5	3,905	28.2	0.35	-0.10	-0.00100		
EPA 09	7/17/96	6907.40	5.9	5.58	5,615	505	555	117	12.1	23.4	3,816	32.0	0.31	-0.10	-0.00100		
EPA 09	10/8/96	6907.40	5.7	4.44	5,590	542	609	116	12.1	0.0	3,943	29.0	0.33	-0.10	-0.00100		
EPA 09	1/28/97	6912.30	5.8	6.07	5,510	500	545	109	11.7	29.3	3,695	30.8	0.35	-0.10	-0.00100		
EPA 09	4/15/97	6907.20	5.4	5.72	5,740	532	616	112	12.1	21.2	4,040	31.3	0.38	-0.10	-0.00100		
EPA 09	7/15/97	6906.80	5.2	5.27	5,780	515	606	109	12.0	7.4	3,560	32.5	0.39	-0.10	-0.00100		
EPA 09	10/15/97	6906.70	5.6	4.49	5,860	507	632	110	11.7	-0.1	3,990	37.7	0.54	-0.10	-0.00100		
EPA 09	1/20/98	6907.10	4.8	5.64	5,570	504	595	119	13.1	9.3	4,200	34.4	0.82	-0.10	-0.00100		
EPA 09	4/14/98	6906.80	4.9	4.22	5,840	510	610	107	11.3	-0.1	3,720	30.7	0.50	-0.10	-0.00100		
EPA 09	7/14/98	6906.60	4.6	4.45	5,820	488	611	115	12.3	-0.1	3,700	30.1	0.52	-0.10	-0.00100		
EPA 09	10/6/98	6907.90	3.8	4.56	5,820	484	622	116	12.6	1.2	4,000	29.1	1.08	0.23	-0.00100		
EPA 09	1/12/99	6917.50	4.3	4.58	5,870	423	601	107	11.8	-0.1	4,000	28.9	0.55	-0.10	-0.00100		
EPA 09	4/13/99	6907.80	4.1	4.45	5,860	472	624	105	11.8	-0.1	3,750	38.9	0.66	-0.10	-0.00100		
EPA 09	7/20/99	6907.51	3.8	4.18	5,930	492	634	104	13.1	-0.1	3,860	32.9	0.48	-0.10	-0.00100		
EPA 09	10/12/99	6907.40	4.9	4.47	5,860	459	591	108	11.6	-0.1	3,680	32.6	0.57	-0.10	-0.00100		
EPA 09	2/18/00	6907.80	4.2	4.25	5,790	460	610	103	12.2	-0.1	3,690	31.7	0.62	-0.10	-0.00100		
EPA 09	5/15/00	6907.90															
EPA 09	7/20/00	6907.80															
EPA 03*	7/26/89	6895.60	6.8	5.83	4,839	587	465	118	10.5	168	3,358	25.1	0.31	0.02	-0.00100	-0.0010	-0.005
EPA 03*	10/5/89	6894.90	6.3	6.52	4,742	507	438	115	13.9	159	3,131	24.6	0.27	0.09	-0.00100	-0.0010	-0.005

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TABLE C.1

ZONE 3 DATA SUMMARY
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Well No.	Date	Al (mg/L)	As (mg/L)	Be (mg/L)	Cd (mg/L)	Co (mg/L)	Pb (mg/L)	Mn (mg/L)	Mo (mg/L)	Ni (mg/L)	Se (mg/L)	V (mg/L)	U (mg/L)	Ra-226+ Ra-228 (pCi/L)	Th-230 (pCi/L)	Pb-210 (pCi/L)	Gross Alpha (pCi/L)
	NRC Standard	NA	0.05	0.05	0.01	NA	0.05	NA	NA	0.05	0.01	0.10	0.3	5.0	5.0	1.0	15.0
	EPA Standard	5.00	0.05	0.017	0.01	0.05	0.05	2.60	1.0	0.2	0.01	0.70	5.0	5.0	NA	NA	15.0
EPA 09	10/22/91	1.58	0.001	-0.010	-0.01	0.12	-0.05	4.48	-0.10	0.10	-0.001	-0.10	0.0062	-5.1	-0.2	2.7	4.0
EPA 09	1/22/92	1.01	0.013	-0.010	-0.01	0.21	-0.05	6.16	-0.10	0.22	-0.001	-0.10	0.0070	9.2	-0.2	-1.0	5.0
EPA 09	4/2/92	2.50	0.014	0.020	0.02	0.02	-0.05	7.86	-0.10	0.29	-0.001	-0.10	0.0020	12.2	-0.2	-1.0	0.4
EPA 09	7/15/92	1.25	0.010	-0.010	-0.01	0.23	-0.05	6.61	-0.10	0.22	-0.001	-0.10	0.0060	14.4	-0.2	1.3	5.9
EPA 09	10/14/92	2.36	0.018	-0.010	-0.01	0.28	-0.05	7.63	-0.10	0.27	-0.001	-0.10	0.0020	18.5	-0.2	-1.0	9.9
EPA 09	1/13/93	-0.10	0.003	-0.010	-0.01	0.04	-0.05	2.66	0.14	0.10	-0.001	-0.10	0.0050	10.7	-0.2	-1.0	4.1
EPA 09	4/15/93	0.18	-0.001	-0.010	-0.01	0.08	-0.05	3.16	-0.10	0.08	-0.001	-0.10	0.0020	6.4	-0.2	-1.0	3.4
EPA 09	7/20/93	-0.10	-0.001	-0.010	-0.01	0.07	-0.05	3.08	0.11	-0.05	-0.001	-0.10	0.0060	8.3	-0.2	-1.0	3.5
EPA 09	10/12/93	1.22	-0.001	-0.010	-0.01	0.14	-0.05	4.41	-0.10	0.14	-0.001	-0.10	0.0050	18.6	-0.2	1.2	10.0
EPA 09	1/12/94	31.10	0.029	0.090	-0.01	0.60	-0.05	9.64	0.42	0.85	-0.001	-0.10	0.1220	26.7	-0.2	-1.0	33.2
EPA 09	4/20/94	3.30	0.021	-0.010	-0.01	0.21	-0.05	6.90	0.19	0.24	-0.001	-0.10	0.0030	22.0	-0.2	-1.0	26.4
EPA 09	7/26/94	0.81	-0.001	-0.010	-0.01	0.10	-0.05	4.29	0.11	-0.05	-0.001	-0.10	0.0010	10.4	-0.2	-1.0	13.1
EPA 09	10/11/94	1.10	-0.001	-0.010	-0.01	0.15	-0.05	4.49	-0.10	0.15	-0.001	-0.10	0.0020	9.8	-0.2	5.0	10.7
EPA 09	1/10/95	5.54	0.012	-0.010	-0.01	0.27	-0.05	7.76	-0.10	0.28	-0.001	-0.10	0.0030	25.0	-0.2	1.2	28.2
EPA 09	4/11/95	0.18	0.002	-0.010	-0.01	0.07	-0.05	3.59	-0.10	-0.05	-0.001	-0.10	0.0010	6.9	-0.2	-1.0	8.5
EPA 09	7/11/95	-0.10	0.003	-0.010	-0.01	0.02	-0.05	0.85	-0.10	-0.05	-0.001	-0.10	0.0006	8.1	0.4	-1.0	16.7
EPA 09	10/10/95	0.15	0.001	-0.010	-0.01	0.08	-0.05	3.88	-0.10	0.07	-0.001	-0.10	0.0015	6.0	-0.2	-1.0	11.4
EPA 09	1/9/96	1.87	-0.001	-0.010	-0.01	0.17	-0.05	5.15	-0.10	0.14	-0.001	-0.10	0.0024	13.9	-0.2	-1.0	8.7
EPA 09	4/10/96	0.34	0.001	-0.010	-0.01	0.11	-0.05	4.20	-0.10	0.09	-0.001	-0.10	0.0008	8.9	-0.2	-1.0	10.2
EPA 09	7/17/96	0.56	-0.001	-0.010	-0.01	0.15	-0.05	4.94	-0.10	0.12	-0.001	-0.10	0.0007	11.8	-0.2	-1.0	7.3
EPA 09	10/8/96	0.50	0.001	-0.010	-0.01	0.13	-0.05	4.61	-0.10	0.11	-0.001	-0.10	-0.0003	15.6	-0.2	-1.0	9.2
EPA 09	1/28/97	0.50	-0.001	-0.010	-0.01	0.12	-0.05	4.25	-0.10	0.09	0.002	-0.10	-0.0003	16.9	2.7	-1.0	10.7
EPA 09	4/15/97	0.81	-0.001	-0.010	-0.01	0.15	-0.05	5.03	-0.10	0.12	-0.001	-0.10	-0.0003	17.2	-0.2	-1.0	14.3
EPA 09	7/15/97	1.47	0.003	-0.010	-0.01	0.17	-0.05	5.22	-0.10	0.14	-0.001	-0.10	-0.0003	18.3	-0.2	-1.0	13
EPA 09	10/15/97	2.44	0.002	-0.010	-0.01	0.21	-0.05	6.12	-0.10	0.16	0.001	-0.10	0.0010	25.4	-0.2	5.5	14.1
EPA 09	1/20/98	1.61	-0.001	-0.010	-0.005	0.22	-0.05	6.33	-0.10	0.15	-0.001	-0.10	0.0008	22.1	-0.2	-1.0	12.3
EPA 09	4/14/98	1.80	0.003	-0.010	-0.005	0.18	-0.05	5.50	-0.10	0.16	-0.001	-0.10	0.0008	19.7	-0.2	-1.0	15.9
EPA 09	7/14/98	2.66	0.004	-0.010	-0.005	0.19	-0.05	6.28	-0.10	0.15	-0.001	-0.10	0.0012	18.8	-0.2	-1.0	15.1
EPA 09	10/6/98	2.84	0.002	-0.010	-0.005	0.19	-0.05	5.67	-0.10	0.15	-0.001	-0.10	0.0008	19.8	-0.2	-1.0	18.9
EPA 09	1/12/99	2.90	0.005	-0.010	-0.005	0.19	-0.05	5.82	-0.10	0.14	-0.001	-0.10	0.0017	17.5	-0.2	-1.0	10.6
EPA 09	4/13/99	3.42	-0.001	-0.010	-0.005	0.22	-0.05	6.28	-0.10	0.16	-0.001	-0.10	0.0015	24.1	-0.2	-1.0	17.4
EPA 09	7/20/99	2.80	0.002	-0.010	-0.005	0.17	-0.05	4.90	-0.10	0.13	-0.001	-0.10	0.0013	21.1	-0.2	-1.0	13.5
EPA 09	10/12/99	3.44	0.014	-0.010	-0.005	0.17	-0.05	5.84	-0.10	0.12	-0.001	-0.10	-0.0003	23.1	-0.2	-1.0	17.4
EPA 09	2/18/00	4.12	-0.001	-0.010	-0.005	0.21	-0.05	6.52	-0.10	0.20	-0.001	-0.10	0.0013	21.1	-0.2	-1.0	16.2
EPA 09	5/15/00																
EPA 09	7/20/00																
EPA 03*	7/26/89	-0.10	0.003	-0.050	-0.01	0.03	0.07	5.60	-0.10	-0.05	-0.001	-0.10	0.0103	-2.5	2.3	-1.0	4.3
EPA 03*	10/5/89	-0.10	0.017	-0.050	-0.01	0.02	-0.05	4.80	0.05	-0.05	-0.001	-0.10	0.0160	-2.5	-0.2	-1.0	-1.0

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TABLE C.1

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Well No.	Date	Water Elevation (ft AMSL)	Field pH (SU)	Lab pH (SU)	Lab TDS (mg/L)	Ca (mg/L)	Mg (mg/L)	Na (mg/L)	K (mg/L)	HCO_3 (mg/L)	SO_4 (mg/L)	Cl (mg/L)	NH_4 as N (mg/L)	NO_3 as N (mg/L)	Chloro-form (mg/L)	Naphtha-lene (mg/L)	Cyanide (mg/L)
	NRC Standard	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.001	0.001	0.005
	EPA Standard	NA	NA	NA	4,800	NA	NA	NA	NA	NA	2,125	250.0	NA	190	NA	NA	NA
EPA 03*	1/23/90	6892.80	6.8	6.29	6,594	616	494	148	12.9	159	3,620	26.3	0.51	0.10	-0.00100	-0.0010	-0.005
EPA 03*	4/18/90	6891.70	6.4	7.00	5,639	560	523	130	11.1	46	3,653	28.9	0.57	0.04	-0.00100	-0.0010	-0.005
EPA 03*	7/17/90	6890.50	6.7	6.10	5,385	600	536	120	11.9	139	3,368	23.6	0.28	0.04	-0.00100	-0.0010	-0.005
EPA 03*	10/16/90	6889.50	6.5	6.60	4,846	517	468	127	13.0	142	3,253	29.7	0.26	0.02	-0.00100	-0.0010	-0.005
EPA 03*	1/8/91	6888.80	6.6	6.25	4,646	532	481	119	22.0	145	3,002	27.3	0.23	0.07	-0.00100	-0.0010	-0.005
EPA 03*	4/17/91	6888.30	6.6	6.99	4,392	513	349	120	14.1	142	2,888	25.6	0.21	0.02	-0.00100	-0.0010	-0.005
EPA 03*	7/3/91	6887.70	6.6	6.42	3,939	467	353	112	11.0	137	2,885	31.2	0.35	0.03	-0.00100	-0.0010	-0.005
EPA 03*	10/22/91	6887.00	6.6	6.51	3,752	493	264	116	13.4	139	2,485	24.2	0.18	0.02	-0.00100	-0.0010	-0.005
EPA 11	7/7/89		5.9	5.90	4,245	587	337	151	10.1	176	2,757	29.9	0.56	0.02	-0.00100	-0.0010	-0.005
EPA 11	10/4/89		5.8	6.30	4,392	565	349	142	12.6	189	2,826	28.3	0.48	0.01	-0.00100	-0.0010	-0.005
EPA 11	1/16/90		5.6	5.88	4,406	515	335	150	10.4	177	2,813	30.3	0.55	0.07	-0.00100	-0.0010	-0.005
EPA 11	4/17/90		6.0	6.38	4,505	538	344	148	10.3	177	2,649	31.8	0.60	0.07	-0.00100	-0.0010	-0.005
EPA 12	7/25/89	6865.90	6.1	5.96	4,722	582	430	151	9.7	139	3,151	30.2	0.38	0.02	-0.00100	-0.0010	-0.005
EPA 12	10/4/89	6865.80	5.9	6.40	4,742	534	414	132	10.9	167	3,039	26.4	0.37	0.03	-0.00100	-0.0010	-0.005
EPA 12	1/16/90	6864.80	5.9	6.01	4,712	505	392	148	9.8	146	3,074	27.1	0.40	0.70	-0.00100	-0.0010	-0.005
EPA 12	4/17/90	6863.90	5.9	6.47	4,757	521	402	143	9.2	170	2,989	27.0	0.41	0.15	-0.00100	-0.0010	-0.005
EPA 12	7/12/90	6862.80	6.0	6.26	4,839	532	437	143	10.0	139	2,754	27.9	0.27	0.12	-0.00100	-0.0010	-0.005
EPA 12	10/16/90	6862.20	6.0	6.65	4,816	491	409	146	10.7	142	3,102	29.0	0.32	0.07	-0.00100	-0.0010	-0.005
EPA 12	1/8/91	6861.40	6.0	6.29	4,828	536	429	144	24.0	140	3,100	27.3	0.48	0.07	-0.00100	-0.0010	-0.005
EPA 12	4/16/91	6861.00	5.9	6.86	4,863	527	429	137	8.5	109	3,204	27.6	0.31	0.10	-0.00100	-0.0010	-0.005
EPA 12	7/3/91	6860.40	5.8	6.32	4,623	486	409	133	8.0	119	3,257	25.1	0.41	0.03	-0.00100	-0.0010	-0.005
EPA 12	10/22/91	6859.70	5.8	6.28	4,884	507	423	140	8.5	139	3,226	29.5	0.16	-0.01	-0.00100	-0.0010	-0.005
EPA 12	1/23/92	6858.40	5.9	6.24	5,060	531	423	130	8.2	75	3,162	24.8	1.72	-0.01	-0.00100	-0.0010	-0.005
EPA 12	4/2/92	6857.50	5.6	7.04	4,820	523	457	167	11.1	122	3,297	23.4	1.50	-0.10	-0.00100	-0.0010	-0.005
EPA 12	7/15/92	6856.00	5.8	7.22	5,073	495	438	149	9.3	50	3,264	23.8	0.23	-0.10	-0.00100	-0.0010	-0.005
EPA 13	7/25/89	6883.71	5.5	5.56	5,054	576	479	136	11.8	31.7	3,454	29.7	0.84	14.10	-0.00100	-0.0010	-0.005
EPA 13	10/4/89	6882.81	5.5	6.40	4,736	550	407	129	15.1	86.1	3,180	27.6	0.51	26.00	-0.00100	-0.0010	-0.005
EPA 13	1/16/90	6880.91	5.1	5.30	5,042	482	477	128	12.3	14.4	3,420	26.4	0.96	4.60	-0.00100	-0.0010	-0.005
EPA 13	4/17/90	6880.11	5.0	5.60	5,256	496	485	122	11.8	66.6	3,377	27.4	1.03	4.10	-0.00100	-0.0010	-0.005
EPA 13	7/17/90	6879.21	5.3	5.60	5,140	590	527	117	11.3	40.0	3,253	25.0	0.51	10.80	-0.00100	-0.0010	-0.005
EPA 13	10/16/90	6878.51	5.7	5.98	5,067	513	422	129	12.6	39.0	3,355	31.1	0.57	6.80	-0.00100	-0.0010	-0.005
EPA 13	1/8/91	6877.61	5.4	5.73	5,153	531	515	121	23.0	35.0	3,432	29.4	0.95	9.60	-0.00100	0.0013	-0.005
EPA 13	4/16/91	6877.21	5.3	5.53	5,255	485	457	124	12.8	13.0	3,460	49.5	1.05	5.60	-0.00100	-0.0010	-0.005
EPA 13	7/3/91	6876.30	5.2	5.66	5,240	472	473	109	10.4	25.0	3,357	23.6	1.20	0.45	-0.00100	-0.0010	-0.005
EPA 13	10/22/91	6876.10	5.2	5.75	5,409	488	466	114	11.3	39.0	3,611	28.5	0.78	-0.01	-0.00100	-0.0010	-0.005
EPA 13	1/22/92	6875.52	5.4	5.48	5,640	502	496	115	10.6	15.1	3,733	24.1	0.46	-0.01	-0.00100	-0.0010	-0.005
EPA 13	4/7/92	6875.22	5.4	6.79	5,228	629	539	149	14.1	59.9	3,924	26.7	0.92	-0.10	-0.00100	-0.0010	-0.005
EPA 13	7/15/92	6874.00	5.6	4.25	5,888	541	556	131	11.5	0.0	3,862	21.6	0.49	-0.10	-0.00100	-0.0010	-0.005

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Well No.	Date	Al (mg/L)	As (mg/L)	Be (mg/L)	Cd (mg/L)	Co (mg/L)	Pb (mg/L)	Mn (mg/L)	Mo (mg/L)	Ni (mg/L)	Se (mg/L)	V (mg/L)	U (mg/L)	Ra-226+ Ra-228 (pCi/L)	Th-230 (pCi/L)	Pb-210 (pCi/L)	Gross Alpha (pCi/L)
	NRC Standard	NA	0.05	0.05	0.01	NA	0.05	NA	NA	0.05	0.01	0.10	0.3	5.0	5.0	1.0	15.0
	EPA Standard	5.00	0.05	0.017	0.01	0.05	0.05	2.60	1.0	0.2	0.01	0.70	5.0	5.0	NA	NA	15.0
EPA 03*	1/23/90	-0.10	0.003	-0.050	-0.01	0.11	-0.05	6.10	0.29	0.05	-0.001	-0.10	0.0490	-2.5	4.7	-1.0	6.1
EPA 03*	4/18/90	-0.10	0.024	-0.050	-0.01	0.07	-0.05	7.20	-0.10	-0.05	-0.001	-0.10	0.0260	-2.0	-0.2	1.9	1.6
EPA 03*	7/17/90	-0.10	0.016	-0.050	-0.01	0.04	-0.05	6.78	-0.10	-0.05	-0.001	-0.10	0.0330	-1.2	3.2	-1.0	3.0
EPA 03*	10/16/90	-0.10	0.001	-0.050	-0.01	0.03	-0.05	5.90	0.10	-0.05	-0.001	-0.10	0.0192	-1.8	-0.2	-1.0	-1.0
EPA 03*	1/8/91	0.20	0.006	-0.010	-0.01	0.05	-0.05	6.07	0.16	0.05	-0.001	-0.10	0.0240	-2.1	-0.2	-1.0	1.0
EPA 03*	4/17/91	0.25	0.008	-0.010	-0.01	0.03	-0.05	4.24	0.17	-0.05	-0.001	-0.10	0.0250	-1.6	-0.2	-1.0	3.0
EPA 03*	7/3/91	0.20	0.008	-0.010	-0.01	0.03	-0.05	3.96	0.25	-0.05	-0.001	-0.10	0.0226	-1.8	-0.2	-1.0	-1.0
EPA 03*	10/22/91	0.22	0.001	-0.010	-0.01	0.02	-0.05	2.87	0.24	-0.05	-0.001	-0.10	0.0145	-1.2	-0.2	-1.0	-1.0
EPA 11	7/7/89	0.42	0.137	-0.050	-0.01	0.240	-0.05	3.30	68.00	0.45	-0.001	-0.10	0.0103	7.6	5.8	-1.0	5.3
EPA 11	10/4/89	0.49	0.604	-0.050	-0.01	0.220	-0.05	3.20	50.00	0.46	-0.001	-0.10	0.0140	8.1	0.5	-1.0	6.1
EPA 11	1/16/90	0.22	0.481	-0.050	-0.01	0.230	-0.05	3.30	50.00	0.49	-0.001	-0.10	0.0080	9.2	0.4	-1.0	7.1
EPA 11	4/17/90	0.34	0.357	-0.050	-0.01	0.230	-0.05	3.10	46.00	0.48	-0.001	-0.10	0.0100	7.8	0.6	-1.0	6.8
EPA 12	7/25/89	-0.10	0.001	-0.050	-0.01	0.11	-0.05	4.10	7.60	0.30	-0.001	-0.10	0.0017	8.3	3.4	-1.0	7.1
EPA 12	10/4/89	0.11	0.001	-0.050	-0.01	0.11	-0.05	3.50	6.30	0.27	-0.001	-0.10	0.0040	9.0	2.2	2.0	13.0
EPA 12	1/16/90	-0.10	0.002	-0.050	-0.01	0.13	-0.05	3.50	6.70	0.24	-0.001	-0.10	0.0040	8.6	-0.2	-1.0	5.5
EPA 12	4/17/90	-0.10	0.002	-0.050	-0.01	0.08	-0.05	3.50	5.30	0.20	-0.001	-0.10	0.0030	12.1	-0.2	-1.0	6.5
EPA 12	7/12/90	-0.10	0.084	-0.050	-0.01	0.10	-0.05	3.50	7.01	0.19	-0.001	-0.10	0.0029	13.3	-0.2	2.4	-1.0
EPA 12	10/16/90	-0.10	0.095	-0.050	-0.01	0.13	-0.05	3.35	6.54	0.19	-0.001	-0.10	0.0007	14.4	-0.2	-1.0	5.0
EPA 12	1/8/91	0.10	0.004	-0.010	-0.01	0.12	-0.05	3.06	3.87	0.21	-0.001	-0.10	0.0036	5.2	-0.2	-1.0	4.0
EPA 12	4/16/91	0.14	0.066	-0.010	-0.01	0.14	-0.05	3.68	6.26	0.21	-0.001	-0.10	0.0010	16.7	-0.2	2.0	8.0
EPA 12	7/3/91	0.34	0.055	-0.010	-0.01	0.10	-0.05	2.97	3.82	0.17	-0.001	-0.10	0.0010	8.7	-0.2	-1.0	5.0
EPA 12	10/22/91	0.20	0.054	-0.010	-0.01	0.11	-0.05	3.32	3.32	0.17	-0.001	-0.10	-0.0003	-5.8	-0.2	-1.0	5.0
EPA 12	1/23/92	-0.10	0.036	-0.010	-0.01	0.12	-0.05	3.02	3.70	0.17	-0.001	-0.10	0.0070	14.5	-0.2	-1.0	8.0
EPA 12	4/2/92	-0.10	0.026	-0.010	0.01	0.14	-0.05	3.31	2.40	0.16	-0.001	-0.10	-0.0003	14.3	-0.2	1.1	6.5
EPA 12	7/15/92	-0.10	0.013	-0.010	-0.01	0.13	-0.05	3.10	1.90	0.14	-0.001	-0.10	0.0070	19.3	-0.2	-1.0	6.5
EPA 13	7/25/89	0.21	0.007	-0.050	-0.01	0.47	-0.05	6.20	1.50	0.59	-0.001	-0.10	0.0060	8.9	6.4	2.7	5.3
EPA 13	10/4/89	0.42	0.012	-0.050	-0.01	0.23	-0.05	3.40	1.50	0.37	-0.001	-0.10	-0.0280	8.3	0.8	-1.0	5.9
EPA 13	1/16/90	0.19	0.021	-0.050	-0.01	0.42	0.06	6.40	0.51	0.60	0.001	-0.10	0.0090	11.9	-0.2	-1.0	5.1
EPA 13	4/17/90	-0.10	0.024	-0.050	-0.01	0.36	-0.05	5.80	0.57	0.46	-0.001	-0.10	0.0070	8.6	0.0	-1.0	6.9
EPA 13	7/17/90	0.24	0.033	-0.050	-0.01	0.25	-0.05	5.50	0.69	0.33	-0.001	-0.10	0.0078	7.0	-0.2	-1.0	5.0
EPA 13	10/16/90	0.10	0.016	-0.050	-0.01	0.22	-0.05	5.21	0.80	0.34	-0.001	-0.10	0.0117	9.3	-0.2	1.4	5.0
EPA 13	1/8/91	0.74	0.066	-0.010	-0.01	0.21	-0.05	6.62	0.81	0.39	-0.001	-0.10	0.0054	12.4	-0.2	-1.0	4.0
EPA 13	4/16/91	-0.10	0.031	-0.010	-0.01	0.33	-0.05	7.16	0.89	0.36	-0.001	-0.10	0.0040	11.3	-0.2	-1.0	3.0
EPA 13	7/3/91	1.14	0.044	-0.010	-0.01	0.32	-0.05	7.20	0.59	0.37	-0.001	-0.10	0.0029	4.2	-0.2	-1.0	3.0
EPA 13	10/22/91	0.22	0.100	-0.010	-0.01	0.27	-0.05	7.04	0.58	0.38	0.001	-0.10	0.0156	-5.2	-0.2	2.3	4.0
EPA 13	1/22/92	-0.10	0.077	-0.010	-0.01	0.23	-0.05	6.59	0.64	0.26	-0.001	-0.10	0.0040	10.4	-0.2	-1.0	7.0
EPA 13	4/7/92	0.20	0.134	-0.010	0.02	0.21	-0.05	6.56	0.80	0.30	-0.001	-0.10	0.0040	11.7	-0.2	1.3	4.3
EPA 13	7/15/92	-0.10	0.084	-0.010	-0.01	0.23	-0.05	6.33	0.83	0.22	0.001	-0.10	0.0090	15.2	-0.2	-1.0	6.1

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TABLE C.1

ZONE 3 DATA SUMMARY
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Well No.	Date	Water Elevation (ft AMSL)	Field pH (SU)	Lab pH (SU)	Lab TDS (mg/L)	Ca (mg/L)	Mg (mg/L)	Na (mg/L)	K (mg/L)	HCO_3 (mg/L)	SO_4 (mg/L)	Cl (mg/L)	NH_4 as N (mg/L)	NO_3 as N (mg/L)	Chloro-form (mg/L)	Naphtha-lene (mg/L)	Cyanide (mg/L)
	NRC Standard	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.001	0.001	0.005
	EPA Standard	NA	NA	NA	4,800	NA	NA	NA	NA	NA	2,125	250.0	NA	190	NA	NA	NA
EPA 13	10/14/92	6873.50	5.8	5.25	6,201	534	572	131	11.7	29.3	4,186	32.7	0.58	-0.10	-0.00100	-0.0010	-0.005
EPA 13	1/14/93	6873.00	5.7	5.02	6,412	636	738	128	12.4	92.3	4,391	30.1	0.11	-0.10	-0.00100	-0.0010	-0.005
EPA 13	4/15/93	6872.00	5.8	5.81	5,848	469	731	155	10.0	38.0	4,315	27.6	0.64	-0.10	-0.00100	-0.0010	-0.005
EPA 13	7/20/93	6872.10	5.9	5.89	6,564	535	817	137	10.9	28.5	4,790	28.9	0.61	-0.10	-0.00100	-0.0010	-0.005
EPA 13	10/12/93	6869.80	6.2	5.38	6,064	518	715	135	10.3	21.0	4,387	30.4	0.56	-0.10	-0.00100	-0.0010	-0.005
EPA 13	1/11/94	6871.60	6.1	6.15	6,208	510	696	145	9.8	57.2	4,444	30.0	0.57	-0.10	-0.00100		
EPA 13	4/20/94	6871.60	6.0	6.00	6,116	514	686	132	9.1	79.2	4,436	30.7	1.33	-0.10	-0.00100		
EPA 13	7/26/94	6871.60	5.9	6.51	6,088	528	782	154	10.9	67.6	4,343	33.3	0.17	-0.10	-0.00100		
EPA 13	10/11/94	6870.40	5.9	6.46	6,762	506	806	162	11.0	80.5	4,784	34.7	0.97	-0.10	-0.00100		
EPA 13	1/10/95	6869.90	6.0	6.57	6,748	545	815	142	12.0	98.6	4,810	34.0	1.28	-0.10	-0.00100		
EPA 13	4/11/95	6870.20	6.2	6.13	6,718	522	714	154	11.0	94.5	4,729	40.0	1.36	-0.10	-0.00100		
EPA 13	7/11/95	6869.40	6.9	6.61	6,107	500	814	141	10.5	67.1	4,435	37.7	1.14	-0.10	-0.00100		
EPA 13	10/10/95	6869.30	6.2	6.85	6,119	485	730	154	11.2	78.1	4,340	33.6	1.12	-0.10	-0.00100		
EPA 13	1/9/96	6868.90	6.3	6.47	6,144	465	730	141	10.4	95.0	4,440	33.6	0.45	-0.10	-0.00100		
EPA 13	4/10/96	6867.30	6.8	7.09	6,642	544	877	148	11.1	85.8	5,040	35.9	0.53	-0.10	-0.00100		
EPA 13	7/17/96	6868.70	6.2	6.23	6,694	468	761	149	11.7	74.5	4,320	39.0	0.45	-0.10	-0.00100		
EPA 13	10/8/96	6868.50	6.3	6.32	6,670	519	830	151	11.5	79.1	4,689	36.0	0.50	-0.10	-0.00100		
EPA 13	1/28/97	6868.20	6.5	6.95	6,570	512	800	132	10.9	101.0	4,570	50.1	0.48	-0.10	-0.00100		
EPA 13	4/15/97	6868.00	6.3	6.79	6,750	510	828	145	11.6	100.0	4,740	39.2	0.51	-0.10	-0.00100		
EPA 13	7/15/97	6868.00	6.2	7.02	6,740	499	795	145	11.6	83.7	4,620	38.7	0.48	-0.10	-0.00100		
EPA 13	10/15/97	6867.50	6.4	7.21	6,670	497	830	144	11.1	89.5	4,620	49.6	0.60	-0.10	-0.00100		
EPA 13	1/20/98	6867.80	6.0	7.07	6,610	486	780	152	12.3	84.7	4,700	43.4	0.84	-0.10	-0.00100		
EPA 13	4/14/98	6867.60	6.3	7.12	6,630	494	795	138	10.6	83.0	4,560	38.0	0.55	-0.10	-0.00100		
EPA 13	7/14/98	6867.40	6.0	6.89	6,700	473	777	149	11.8	76.8	4,100	35.6	0.59	0.11	-0.00100		
EPA 13	10/6/98	6868.50	5.9	7.72	6,440	472	795	151	12.0	90.2	4,520	36.1	0.65	-0.10	-0.00100		
EPA 13	1/12/99	6868.20	6.2	6.99	6,510	410	769	137	11.7	92.0	4,450	36.8	0.60	-0.10	-0.00100		
EPA 13	4/13/99	6868.10	6.1	6.93	6,520	456	776	136	11.1	86.0	4,200	46.0	0.69	-0.10	-0.00100		
EPA 13	7/20/99	6868.02	6.2	6.94	6,510	476	791	134	12.8	77.0	4,260	42.0	0.53	-0.10	-0.00100		
EPA 13	10/12/99	6867.90	6.1	7.16	6,520	430	726	133	11.4	100.0	3,890	40.7	0.53	-0.10	-0.00100		
EPA 13	2/18/00	6868.40	6.1	7.17	6,340	455	787	138	12.0	92.0	4,160	37.5	0.60	-0.10	-0.00100		
EPA 13	5/15/00	6868.30															
EPA 13	8/21/00	6868.10															
EPA 14	7/28/89	6895.90	6.0	5.82	3,189	471	245	149	4.5	146	2,111	26.8	0.08	16.90	-0.00100	-0.0010	-0.005
EPA 14	10/8/89	6891.10	5.4	6.00	3,672	407	281	163	6.1	99	2,370	31.9	0.09	18.80	-0.00100	-0.0010	-0.005
EPA 14	1/17/90	6889.50	5.6	6.11	3,446	424	275	155	4.6	159	2,099	29.4	0.08	16.80	-0.00100	-0.0010	-0.005
EPA 14	4/18/90	6888.20	5.7	6.15	3,529	430	240	140	3.4	176	2,088	28.7	0.15	19.00	-0.00100	-0.0010	-0.005
EPA 14	7/12/90	6886.60	5.8	6.12	3,559	486	281	146	5.2	173	2,067	30.1	-0.05	21.20	-0.00100	-0.0010	-0.005
EPA 14	10/10/90	6886.80	5.7	6.43	3,541	380	251	153	5.9	189	2,079	33.3	0.07	20.80	-0.00100	-0.0010	-0.005

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TABLE C.1

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Well No.	Date	Al (mg/L)	As (mg/L)	Be (mg/L)	Cd (mg/L)	Co (mg/L)	Pb (mg/L)	Mn (mg/L)	Mo (mg/L)	Ni (mg/L)	Se (mg/L)	V (mg/L)	U (mg/L)	Ra-226+ Ra-228 (pCi/L)	Th-230 (pCi/L)	Pb-210 (pCi/L)	Gross Alpha (pCi/L)
	NRC Standard	NA	0.05	0.05	0.01	NA	0.05	NA	NA	0.05	0.01	0.10	0.3	5.0	5.0	1.0	15.0
	EPA Standard	5.00	0.05	0.017	0.01	0.05	0.05	2.60	1.0	0.2	0.01	0.70	5.0	5.0	NA	NA	15.0
EPA 13	10/14/92	0.58	0.175	-0.010	-0.01	0.21	-0.05	6.43	0.90	0.20	-0.001	-0.10	0.0020	13.4	-0.2	1.2	4.9
EPA 13	1/14/93	0.42	0.230	-0.010	-0.01	0.15	-0.05	6.24	0.78	0.24	-0.001	-0.10	0.0130	14.4	-0.2	-1.0	6.5
EPA 13	4/15/93	-0.10	0.186	-0.010	-0.01	0.14	-0.05	5.81	0.59	0.20	-0.001	-0.10	0.0170	10.7	-0.2	-1.0	3.5
EPA 13	7/20/93	-0.10	0.265	-0.010	-0.01	0.14	-0.05	5.65	0.73	0.18	-0.001	-0.10	0.0170	9.9	-0.2	-1.0	5.1
EPA 13	10/12/93	-0.10	0.154	-0.010	-0.01	0.11	-0.05	5.51	0.60	0.14	-0.001	-0.10	0.0240	10.9	-0.2	-1.0	6.0
EPA 13	1/11/94	-0.10	0.225	-0.010	-0.01	0.07	-0.05	5.51	0.67	0.19	-0.001	-0.10	0.0270	10.7	-0.2	-1.0	14.8
EPA 13	4/20/94	-0.10	0.262	-0.010	-0.01	0.09	-0.05	4.69	0.48	0.14	-0.001	-0.10	0.0230	15.0	-0.2	-1.0	20.1
EPA 13	7/26/94	0.66	0.199	-0.010	-0.01	0.10	-0.05	5.90	0.66	0.13	-0.001	-0.10	0.0190	19.1	-0.2	1.7	26.2
EPA 13	10/11/94	-0.10	0.192	-0.010	-0.01	0.11	-0.05	5.26	0.57	0.13	-0.001	-0.10	0.0220	12.1	-0.2	-1.0	19.5
EPA 13	1/10/95	-0.10	0.253	-0.010	-0.01	0.14	-0.05	5.88	0.82	0.17	-0.001	-0.10	0.0240	16.0	-0.2	-1.0	20.3
EPA 13	4/11/95	-0.10	0.230	-0.010	-0.01	0.06	-0.05	5.82	0.47	0.10	-0.001	-0.10	0.0220	14.3	-0.2	-1.0	19.1
EPA 13	7/11/95	-0.10	0.255	-0.010	-0.01	0.02	-0.05	1.26	-0.10	-0.05	-0.001	-0.10	0.0240	17.0	0.4	2.8	15.9
EPA 13	10/10/95	-0.10	0.225	-0.010	-0.01	0.05	-0.05	5.91	0.38	0.12	-0.001	-0.10	0.0260	6.6	-0.2	1.1	11.8
EPA 13	1/9/96	-0.10	0.227	-0.010	-0.01	-0.01	-0.05	1.19	-0.10	-0.05	-0.001	-0.10	0.0280	13.5	-0.2	-1.0	5.4
EPA 13	4/10/96	-0.10	0.295	-0.010	-0.01	0.06	-0.05	5.65	0.35	0.11	-0.001	-0.10	0.0290	14.9	-0.2	-1.0	7.6
EPA 13	7/17/96	-0.10	0.269	-0.010	-0.01	0.06	-0.05	5.94	0.41	0.12	-0.001	-0.10	0.0220	18.7	0.7	-1.0	6.0
EPA 13	10/8/96	-0.10	0.301	-0.010	-0.01	0.06	-0.05	5.71	0.34	0.12	-0.001	-0.10	0.0270	11.5	-0.2	-1.0	4.4
EPA 13	1/28/97	-0.10	0.430	-0.010	-0.01	0.06	-0.05	5.96	0.40	0.12	0.003	-0.10	0.0190	14.4	1.5	-1.0	4.7
EPA 13	4/15/97	-0.10	0.331	-0.010	-0.01	0.05	-0.05	5.87	0.34	0.12	-0.001	-0.10	0.0130	15.5	-0.2	-1.0	7.8
EPA 13	7/15/97	-0.10	0.464	-0.010	-0.01	0.05	-0.05	5.46	0.35	0.10	-0.001	-0.10	0.0190	16.1	-0.2	-1.0	4.5
EPA 13	10/15/97	-0.10	0.595	-0.010	-0.01	0.07	-0.05	6.21	0.45	0.12	-0.001	-0.10	0.0300	15.1	-0.2	-1.0	5.4
EPA 13	1/20/98	-0.10	0.444	-0.010	-0.005	0.08	-0.05	6.84	0.39	0.13	-0.001	-0.10	0.0270	13.2	-0.2	-1.0	6.1
EPA 13	4/14/98	-0.10	0.563	-0.010	-0.005	0.05	-0.05	5.60	0.34	0.11	-0.001	-0.10	0.0285	9.2	-0.2	-1.0	6.3
EPA 13	7/14/98	-0.10	0.450	-0.010	-0.005	0.05	-0.05	6.04	0.29	0.10	-0.001	-0.10	0.0311	9.7	-0.2	-1.0	3.9
EPA 13	10/6/98	-0.10	0.613	-0.010	-0.005	0.05	-0.05	5.64	0.32	0.12	-0.001	-0.10	0.0244	8.9	-0.2	-1.0	6.6
EPA 13	1/12/99	-0.10	0.514	-0.010	0.006	0.05	-0.05	5.60	0.26	0.08	-0.001	-0.10	0.0267	11.7	-0.2	-1.0	4.3
EPA 13	4/13/99	-0.10	0.717	-0.010	-0.005	0.06	-0.05	5.96	0.33	0.10	-0.001	-0.10	0.0284	12.1	-0.2	-1.0	8.4
EPA 13	7/20/99	-0.10	-0.001	-0.010	-0.005	0.06	-0.05	4.80	0.26	0.10	-0.001	-0.10	0.0242	11.1	-0.2	-1.0	8.6
EPA 13	10/12/99	-0.10	0.443	-0.010	-0.005	0.04	-0.05	5.83	0.30	-0.05	-0.001	-0.10	0.0237	11.4	-0.2	-1.0	5.1
EPA 13	2/18/00	-0.10	0.347	-0.010	-0.005	0.06	-0.05	5.89	0.32	0.16	-0.001	-0.10	0.0207	13.2	1.7	-1.0	6.3
EPA 13	5/15/00																
EPA 13	8/21/00																
EPA 14	7/28/89	0.79	-0.001	-0.050	-0.01	0.04	-0.05	0.63	-0.10	0.05	-0.001	-0.10	0.0166	6.4	-0.2	-1.0	3.2
EPA 14	10/8/89	1.10	-0.001	-0.050	-0.01	0.04	-0.05	0.70	0.02	0.07	-0.001	-0.10	0.0140	5.7	-0.2	7.1	2.8
EPA 14	1/17/90	0.67	-0.001	-0.050	-0.01	0.01	-0.05	0.89	-0.10	-0.05	-0.001	-0.10	0.0190	-3.7	2.9	2.2	5.1
EPA 14	4/18/90	0.52	-0.001	-0.050	-0.01	-0.01	-0.05	0.56	-0.10	0.07	-0.001	-0.10	0.0220	4.9	-0.2	-1.0	2.4
EPA 14	7/12/90	0.68	-0.001	-0.050	-0.01	0.02	-0.05	0.61	0.13	-0.05	-0.001	-0.10	0.0223	3.3	-0.2	4.6	2.0
EPA 14	10/10/90	0.50	-0.001	-0.050	-0.01	0.05	-0.05	0.71	-0.10	0.08	-0.001	-0.10	0.0323	6.5	-0.2	-1.0	4.0

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TABLE C.1

ZONE 3 DATA SUMMARY
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Well No.	Date	Water Elevation (ft AMSL)	Field pH (SU)	Lab pH (SU)	Lab TDS (mg/L)	Ca (mg/L)	Mg (mg/L)	Na (mg/L)	K (mg/L)	HCO_3 (mg/L)	SO_4 (mg/L)	Cl (mg/L)	NH_4 as N (mg/L)	NO_3 as N (mg/L)	Chloro-form (mg/L)	Naphtha-lene (mg/L)	Cyanide (mg/L)
	NRC Standard	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.001	0.001	0.005
	EPA Standard	NA	NA	NA	4,800	NA	NA	NA	NA	NA	2,125	250.0	NA	190	NA	NA	NA
EPA 14	1/8/91	6886.50	5.7	6.35	3,499	462	266	152	22.0	185	2,222	31.8	-0.05	24.60	-0.00100	-0.0010	-0.005
EPA 14	4/16/91	6886.90	5.6	6.80	3,738	436	321	177	4.3	143	2,380	34.8	0.07	27.50	-0.00100	-0.0010	-0.005
EPA 14	7/3/91	6883.90	5.3	6.25	3,774	421	313	158	4.0	102	2,558	35.7	0.08	28.90	-0.00100	-0.0010	-0.005
EPA 14	10/22/91	6875.10	5.7	6.35	3,296	424	229	148	4.1	234	2,117	37.6	0.09	9.20	-0.00100	-0.0010	-0.005
EPA 14	1/23/92	6880.20	5.5	6.16	4,045	414	296	163	4.5	115	2,463	39.1	-0.05	14.00	-0.00100	-0.0010	-0.005
EPA 14	4/2/92	6880.20	5.4	7.09	4,058	464	338	213	6.0	126	2,607	33.6	0.18	27.40	-0.00100	-0.0010	-0.005
EPA 14	7/16/92	6870.30	6.2	6.28	3,186	393	333	183	6.3	316	2,306	30.5	0.07	23.30	-0.00100	-0.0010	-0.005
EPA 14	10/15/92	6870.60	6.1	6.38	3,753	491	276	179	6.0	159	2,332	32.8	-0.05	24.20	-0.00100	-0.0010	-0.005
EPA 14	1/14/93	6875.30	5.9	6.47	3,728	485	256	156	4.4	142	2,456	35.5	0.12	26.50	-0.00100	-0.0010	-0.005
EPA 14	4/15/93	6872.20	5.9	6.54	3,401	420	217	164	3.4	180	2,096	32.2	0.17	27.10	-0.00100	-0.0010	-0.005
EPA 14	7/20/93	6866.90	6.5	7.46	3,350	444	285	122	3.4	370	2,197	28.9	0.14	14.90	-0.00100	-0.0010	-0.005
EPA 14	10/11/93	6865.60	6.5	6.49	3,272	503	185	137	3.5	220	1,936	29.6	0.05	25.70	-0.00100	-0.0010	-0.005
EPA 14	1/11/94	6871.00	5.7	6.49	3,409	446	270	158	3.5	97	2,285	37.9	-0.05	31.90	-0.00100		
EPA 14	4/19/94	6868.40	6.2	6.54	2,743	450	141	144	5.0	250	1,654	27.3	0.18	16.90	-0.00100		
EPA 14	7/26/94	6866.10	6.3	7.04	2,710	505	151	115	3.6	284	1,732	25.6	0.20	9.94	-0.00100		
EPA 14	10/11/94	6866.10	6.3	7.05	3,074	500	148	146	4.6	299	1,776	26.9	0.25	23.50	-0.00100		
EPA 14	1/10/95	6867.80	6.0	6.60	3,516	545	211	154	6.6	121	2,309	35.8	0.48	33.00	-0.00100		
EPA 14	4/10/95	6867.60	6.1	6.01	4,051	511	284	160	5.6	104	2,570	43.7	0.57	40.00	-0.00100		
EPA 14	7/10/95	6863.40	6.2	7.62	2,659	500	108	124	4.6	465	1,456	26.2	0.21	18.60	-0.00100		
EPA 14	10/9/95	6863.60	6.6	7.44	2,864	510	135	118	4.9	439	1,530	25.7	0.16	22.40	-0.00100		
EPA 14	1/8/96	6861.80	6.5	7.27	2,773	525	103	120	4.7	490	1,440	26.0	-0.05	24.60	-0.00100		
EPA 14	4/9/96	6861.20	6.8	7.75	2,825	551	109	121	5.1	516	1,468	30.0	0.12	23.90	-0.00100		
EPA 14	7/17/96	6861.00	6.5	6.91	2,907	532	116	132	5.6	498	1,616	35.0	0.13	23.80	-0.00100		
EPA 14	10/8/96	6861.10	6.5	7.24	2,900	610	143	137	5.9	511	1,589	33.0	0.11	23.90	-0.00100		
EPA 14	1/28/97	6861.60	6.5	7.71	3,200	580	170	120	5.5	459	1,927	48.0	0.05	26.70	-0.00100		
EPA 14	4/14/97	6861.90	6.5	7.45	3,000	641	134	124	5.6	584	1,612	42.3	0.06	22.90	-0.00100		
EPA 14	7/14/97	6858.50	6.5	7.35	3,160	632	148	116	5.7	627	1,640	48.9	0.08	25.70	-0.00100		
EPA 14	10/14/97	6859.10	6.6	7.75	3,280	677	165	127	6.1	616	1,750	60.5	0.13	26.20	-0.00100		
EPA 14	1/19/98	6863.50	6.3	7.66	3,720	600	234	147	7.7	442	2,150	52.8	0.40	33.20	-0.00100		
EPA 14	4/13/98	6858.00	6.7	7.36	3,310	682	157	121	6.0	688	1,630	53.3	0.11	26.40	-0.00100		
EPA 14	7/13/98	6857.40	6.7	7.62	3,560	664	164	132	7.0	715	1,600	56.9	0.11	25.20	-0.00100		
EPA 14	10/6/98	6861.20	6.7	8.17	3,810	626	247	149	7.9	527	2,120	54.8	0.34	29.80	-0.00100		
EPA 14	1/12/99	6858.10	6.7	7.72	3,690	622	212	124	6.7	570	1,900	56.2	0.44	28.10	-0.00100		
EPA 14	4/13/99	6857.80	6.6	7.93	3,690	656	191	130	7.7	647	1,820	70.2	1.08	33.90	-0.00100		
EPA 14	7/20/99	6857.41	6.2	7.94	3,730	683	217	124	9.6	667	1,900	70.0	2.07	31.30	-0.00100		
EPA 14	10/12/99	6857.40	6.5	7.68	3,700	669	191	122	7.9	746	1,630	71.2	2.01	32.30	-0.00100		
EPA 14	2/18/00	6857.10	6.5	7.73	3,790	599	211	121	8.6	650	1,820	60.9	1.85	32.40	-0.00100		
EPA 14	5/28/00	6857.40	6.4	7.56	3,800	590	200	126	8.6	627	1,880	60.5	1.83	34.40	-0.00100		

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TABLE C.1

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Well No.	Date	Al (mg/L)	As (mg/L)	Be (mg/L)	Cd (mg/L)	Co (mg/L)	Pb (mg/L)	Mn (mg/L)	Mo (mg/L)	Ni (mg/L)	Se (mg/L)	V (mg/L)	U (mg/L)	Ra-226+ Ra-228 (pCi/L)	Th-230 (pCi/L)	Pb-210 (pCi/L)	Gross Alpha (pCi/L)
	NRC Standard	NA	0.05	0.05	0.01	NA	0.05	NA	NA	0.05	0.01	0.10	0.3	5.0	5.0	1.0	15.0
	EPA Standard	5.00	0.05	0.017	0.01	0.05	0.05	2.60	1.0	0.2	0.01	0.70	5.0	5.0	NA	NA	15.0
EPA 14	1/8/91	0.54	-0.001	-0.010	-0.01	0.03	-0.05	0.71	-0.10	0.08	-0.001	-0.10	0.0312	-3.4	-0.2	-1.0	2.0
EPA 14	4/16/91	0.86	-0.001	-0.010	-0.01	0.04	-0.05	0.70	-0.10	0.06	-0.001	-0.10	0.0180	-2.3	-0.2	-1.0	1.0
EPA 14	7/3/91	1.06	-0.001	-0.010	-0.01	0.05	-0.05	0.75	-0.10	0.07	-0.001	-0.10	0.0108	5.8	-0.2	-1.0	2.0
EPA 14	10/22/91	0.31	-0.001	-0.010	-0.01	0.03	-0.05	0.73	-0.10	-0.05	-0.001	-0.10	0.0332	-2.6	-0.2	1.3	2.0
EPA 14	1/23/92	1.00	-0.001	-0.010	-0.01	0.03	-0.05	0.81	-0.10	-0.05	0.001	-0.10	0.0100	3.7	-0.2	3.3	3.0
EPA 14	4/2/92	1.00	-0.001	-0.010	-0.01	0.04	-0.05	0.91	-0.10	0.06	0.015	-0.10	0.0070	-2.6	-0.2	-1.0	1.9
EPA 14	7/16/92	0.45	-0.001	-0.010	-0.01	0.02	-0.05	0.71	-0.10	-0.05	0.001	-0.10	0.0280	6.5	-0.2	-1.0	3.8
EPA 14	10/15/92	0.73	-0.001	-0.010	-0.01	0.03	-0.05	0.87	-0.10	0.07	-0.001	-0.10	0.0090	6.3	-0.2	1.7	2.6
EPA 14	1/14/93	0.59	0.002	-0.010	-0.01	0.04	-0.05	0.42	-0.10	0.11	-0.001	-0.10	0.0090	6.3	-0.2	-1.0	3.6
EPA 14	4/15/93	0.40	-0.001	-0.010	-0.01	0.03	-0.05	0.82	-0.10	-0.05	-0.001	-0.10	0.0170	6.2	-0.2	-1.0	2.1
EPA 14	7/20/93	-0.10	-0.001	-0.010	-0.01	0.01	-0.05	0.55	0.22	-0.05	-0.001	-0.10	0.0540	6.1	-0.2	-1.0	2.9
EPA 14	10/11/93	0.40	-0.001	-0.010	-0.01	0.02	-0.05	0.74	-0.10	-0.05	0.001	-0.10	0.0230	5.1	-0.2	-1.0	6.2
EPA 14	1/11/94	0.88	-0.001	-0.010	-0.01	0.03	-0.05	1.18	-0.10	-0.05	-0.001	-0.10	0.0140	8.5	-0.2	-1.0	12.4
EPA 14	4/19/94	0.36	-0.001	-0.010	-0.01	0.06	-0.05	0.92	0.16	-0.05	-0.001	-0.10	0.0370	5.9	-0.2	-1.0	7.6
EPA 14	7/26/94	0.31	-0.001	-0.010	-0.01	0.02	-0.05	1.10	0.21	-0.05	0.011	-0.10	0.0360	-4.1	-0.2	-1.0	7.3
EPA 14	10/11/94	0.53	-0.001	-0.010	-0.01	0.05	-0.05	1.26	0.11	-0.05	-0.001	-0.10	0.0330	3.3	-0.2	1.7	3.9
EPA 14	1/10/95	1.25	-0.001	-0.010	-0.01	0.06	-0.05	2.34	-0.10	-0.05	-0.001	-0.10	0.0080	8.1	-0.2	1.1	10.3
EPA 14	4/10/95	1.68	-0.001	-0.010	-0.01	0.07	-0.05	2.59	-0.10	-0.05	-0.001	-0.10	0.0050	7.8	-0.2	-1.0	10.4
EPA 14	7/10/95	-0.10	-0.001	-0.010	-0.01	0.01	-0.05	1.05	0.19	-0.05	-0.001	-0.10	0.0640	4.9	-0.2	-1.0	7.9
EPA 14	10/9/95	0.18	0.001	-0.010	-0.01	-0.01	-0.05	1.33	0.16	-0.05	0.003	-0.10	0.0640	-4.7	-0.2	-1.0	8.4
EPA 14	1/8/96	-0.10	-0.001	-0.010	-0.01	0.01	-0.05	1.15	-0.10	-0.05	-0.001	-0.10	0.0810	5.5	-0.2	1.8	2.6
EPA 14	4/9/96	-0.10	-0.001	-0.010	-0.01	-0.01	-0.05	1.26	0.18	-0.05	-0.001	-0.10	0.0830	5.9	-0.2	-1.0	3.9
EPA 14	7/17/96	-0.10	-0.001	-0.010	-0.01	0.02	-0.05	1.44	0.18	-0.05	-0.001	-0.10	0.0900	-4.4	-0.2	-1.0	3.5
EPA 14	10/8/96	-0.10	-0.001	-0.010	-0.01	0.02	-0.05	1.52	0.18	-0.05	-0.001	-0.10	0.0750	10.5	-0.2	-1.0	1.9
EPA 14	1/28/97	-0.10	-0.001	-0.010	-0.01	0.03	-0.05	1.87	0.13	-0.05	0.003	-0.10	0.0540	6.2	-0.2	-1.0	4.2
EPA 14	4/14/97	-0.10	-0.001	-0.010	-0.01	-0.01	-0.05	1.49	0.18	-0.05	-0.001	-0.10	0.0900	12.1	-0.2	-1.0	3.6
EPA 14	7/14/97	-0.10	-0.001	-0.010	-0.01	-0.01	-0.05	1.54	0.15	-0.05	-0.001	-0.10	0.0880	8.1	-0.2	-1.0	3
EPA 14	10/14/97	-0.10	-0.001	-0.010	-0.01	0.02	-0.05	2.05	0.20	-0.05	-0.001	-0.10	0.1010	8.2	-0.2	-1.0	3.5
EPA 14	1/19/98	-0.10	-0.001	-0.010	-0.005	0.07	-0.05	3.21	0.13	0.06	-0.001	-0.10	0.0750	10.1	-0.2	-1.0	3.9
EPA 14	4/13/98	-0.10	-0.001	-0.010	-0.005	0.01	-0.05	1.92	0.18	-0.05	-0.001	-0.10	0.1210	7.2	-0.2	-1.0	6
EPA 14	7/13/98	-0.10	-0.001	-0.010	-0.005	-0.01	-0.05	2.20	0.16	-0.05	-0.001	-0.10	0.1200	9.3	-0.2	-1.0	2.9
EPA 14	10/6/98	-0.10	-0.001	-0.010	-0.005	0.06	-0.05	2.86	0.12	0.08	-0.001	-0.10	0.0906	8.5	-0.2	-1.0	4.4
EPA 14	1/12/99	-0.10	-0.001	-0.010	-0.005	0.02	-0.05	2.58	0.11	-0.05	-0.001	-0.10	0.1110	10.8	-0.2	-1.0	3.6
EPA 14	4/13/99	-0.10	0.002	-0.010	0.005	0.03	-0.05	2.83	0.15	-0.05	-0.001	-0.10	0.1100	17.4	-0.2	-1.0	10.8
EPA 14	7/20/99	-0.10	0.004	-0.010	0.005	0.03	-0.05	2.24	0.14	-0.05	-0.001	-0.10	0.1140	11.9	-0.2	-1.0	6.7
EPA 14	10/12/99	-0.10	-0.001	-0.010	-0.005	0.02	-0.05	2.86	0.15	-0.05	-0.001	-0.10	0.1270	10.6	-0.2	-1.0	5.2
EPA 14	2/18/00	0.17	-0.001	-0.010	-0.005	0.04	-0.05	2.96	0.18	0.08	0.001	-0.10	0.1040	12.9	-0.2	-1.0	7.6
EPA 14	5/28/00	8.30	-0.001	-0.010	0.014	0.05	-0.05	3.24	0.20	-0.05	-0.001	-0.10	0.1200	19.1	2.0	-1.0	6.5

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TABLE C.1

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Well No.	Date	Water Elevation (ft AMSL)	Field pH (SU)	Lab pH (SU)	Lab TDS (mg/L)	Ca (mg/L)	Mg (mg/L)	Na (mg/L)	K (mg/L)	HCO_3 (mg/L)	SO_4 (mg/L)	Cl (mg/L)	NH_4 as N (mg/L)	NO_3 as N (mg/L)	Chloro-form (mg/L)	Naphtha-lene (mg/L)	Cyanide (mg/L)
	NRC Standard	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.001	0.001	0.005
	EPA Standard	NA	NA	NA	4,800	NA	NA	NA	NA	NA	2,125	250.0	NA	190	NA	NA	NA
EPA 14	7/12/00	6859.30	6.4	7.11	4,410	563	368	161	8.7	239	2,560	53.1	0.56	23.00	-0.00100		
EPA 15	7/29/89	6890.20	6.5	6.35	2,567	432	145	119	4.8	288	1,487	18.4	0.09	13.20	-0.00100	-0.0010	-0.005
EPA 15	10/8/89	6883.50	6.0	6.58	2,244	380	120	110	7.0	302	1,319	15.0	0.10	7.40	-0.00100	-0.0010	-0.005
EPA 15	1/16/90	6881.50	5.9	6.48	2,524	369	139	116	5.8	302	1,499	18.3	0.19	5.90	-0.00100	-0.0010	-0.005
EPA 15	4/18/90	6880.30	6.1	6.56	2,532	381	140	117	5.6	322	1,419	17.6	0.21	7.80	-0.00100	-0.0010	-0.005
EPA 15	7/10/90	6879.10	6.2	6.60	2,586	392	146	113	5.1	311	1,475	18.6	0.07	8.92	-0.00100	-0.0010	-0.005
EPA 15	10/10/90	6879.80	6.4	6.75	2,548	374	143	118	6.0	303	1,412	18.5	0.11	9.55	-0.00100	-0.0010	-0.005
EPA 15	1/10/91	6878.80	6.3	7.05	2,359	397	142	113	7.1	316	1,347	19.1	0.07	10.40	-0.00100	-0.0010	-0.005
EPA 15	4/16/91	6879.20	6.2	7.08	2,429	382	135	130	6.1	336	1,360	18.8	0.10	16.10	-0.00100	-0.0010	-0.005
EPA 15	7/3/91	6876.00	6.4	6.86	2,548	384	149	114	5.2	325	1,565	21.9	0.11	15.60	-0.00100	-0.0010	-0.005
EPA 15	10/23/91	6871.10	6.2	7.03	2,873	401	176	134	6.0	278	1,789	31.6	0.44	24.80	-0.00100	-0.0010	-0.005
EPA 15	1/23/92	6873.50	6.1	6.93	2,603	368	175	122	6.3	292	1,588	21.2	0.19	11.10	-0.00100	-0.0010	-0.005
EPA 15	4/2/92	6873.80	6.1	7.60	2,809	413	209	166	8.4	312	1,753	23.7	0.31	15.00	-0.00100	-0.0010	-0.005
EPA 15	7/16/92	6866.90	6.1	6.84	3,214	462	262	156	7.8	246	2,206	32.5	0.37	12.70	-0.00100	-0.0010	-0.005
EPA 15	10/15/92	6866.20	6.0	6.61	4,002	525	263	167	10.0	237	2,451	32.6	0.27	17.30	-0.00100	-0.0010	-0.005
EPA 15	1/13/93	6869.00	6.2	6.75	2,950	459	181	124	8.2	287	1,748	26.8	0.19	11.00	-0.00100	-0.0010	-0.005
EPA 15	4/15/93	6869.40	6.3	6.94	2,816	471	150	132	5.0	322	1,666	23.6	0.15	13.30	-0.00100	-0.0010	-0.005
EPA 15	7/20/93	6864.60	6.3	6.93	3,326	542	240	142	8.2	287	2,133	30.8	0.06	27.50	-0.00100	-0.0010	-0.005
EPA 15	10/12/93	6860.70	6.4	6.34	4,110	578	306	158	9.0	212	2,766	41.3	1.27	17.00	-0.00100	-0.0010	-0.005
EPA 15	1/11/94	6864.20	6.5	7.00	3,001	499	187	128	5.7	288	1,774	28.5	-0.05	12.80	-0.00100		
EPA 15	4/19/94	6863.90	6.4	6.63	2,537	411	137	125	5.8	296	1,537	22.6	0.19	9.50	-0.00100		
EPA 15	7/26/94	6862.20	6.2	7.43	4,123	627	284	139	7.1	265	2,390	31.0	0.46	33.20	-0.00100		
EPA 15	10/11/94	6861.60	6.1	6.94	4,502	640	342	163	9.6	214	3,049	39.0	3.12	31.50	-0.00100		
EPA 15	1/10/95	6861.70	6.1	7.09	4,144	665	204	133	8.5	244	2,567	36.5	1.00	37.20	-0.00100		
EPA 15	4/11/95	6861.90	6.4	6.51	4,187	674	302	136	7.6	262	2,542	19.9	1.09	44.40	-0.00100		
EPA 15	7/11/95	6860.30	5.6	5.87	4,169	585	359	144	9.9	25	2,833	44.5	0.78	29.50	-0.00100		
EPA 15	10/10/95	6859.70	5.5	5.82	4,153	585	370	162	10.6	23	2,961	40.0	5.86	24.30	0.00156		
EPA 15	1/8/96	6858.50	5.3														
EPA 17	7/20/89	6884.40	6.4	6.11	6,709	501	785	167	13.3	159	4,674	35.6	1.22	0.13	-0.00100	-0.0010	-0.005
EPA 17	10/8/89	6887.00	6.4	6.50	6,714	491	829	160	12.0	154	4,526	35.3	0.59	0.06	-0.00100	-0.0010	-0.005
EPA 17	1/10/90	6886.30	6.3	6.48	6,822	491	844	158	13.1	162	4,440	34.3	0.57	0.14	-0.00100	-0.0010	-0.005
EPA 17	4/10/90	6886.20	6.3	6.30	6,855	495	830	153	12.4	151	4,333	33.9	0.67	0.21	-0.00100	-0.0010	-0.005
EPA 17	7/10/90	6886.00	6.1	6.50	6,930	493	807	154	13.8	159	4,467	33.6	0.29	0.53	-0.00100	-0.0010	-0.005
EPA 17	10/9/90	6885.90	6.3	6.77	6,854	465	812	162	13.4	135	4,232	32.2	0.22	0.07	-0.00100	-0.0010	-0.005
EPA 17	1/11/91	6885.60	6.2	6.30	6,678	511	795	160	14.6	122	4,489	36.9	0.57	0.14	-0.00100	-0.0010	-0.005
EPA 17	4/10/91	6885.40	6.3	6.90	6,751	545	758	156	12.3	143	4,007	34.8	0.45	0.11	-0.00100	-0.0010	-0.005
EPA 17	7/9/91	6885.10	6.3	6.46	6,742	563	712	139	10.9	112	4,385	33.5	0.68	-0.01	-0.00100	-0.0010	-0.005
EPA 17	10/17/91	6885.00	6.2	6.86	6,749	514	676	155	14.1	159	4,151	33.5	0.33	0.08	-0.00100	-0.0010	-0.005

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TABLE C.1

ZONE 3 DATA SUMMARY
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Well No.	Date	Al (mg/L)	As (mg/L)	Be (mg/L)	Cd (mg/L)	Co (mg/L)	Pb (mg/L)	Mn (mg/L)	Mo (mg/L)	Ni (mg/L)	Se (mg/L)	V (mg/L)	U (mg/L)	Ra-226+ Ra-228 (pCi/L)	Th-230 (pCi/L)	Pb-210 (pCi/L)	Gross Alpha (pCi/L)
	NRC Standard	NA	0.05	0.05	0.01	NA	0.05	NA	NA	0.05	0.01	0.10	0.3	5.0	5.0	1.0	15.0
	EPA Standard	5.00	0.05	0.017	0.01	0.05	0.05	2.60	1.0	0.2	0.01	0.70	5.0	5.0	NA	NA	15.0
EPA 14	7/12/00	11.60	0.002	-0.010	-0.005	0.18	-0.05	4.36	-0.10	0.15	-0.001	-0.10	0.0530	9.7	-0.2	-1.0	5.4
EPA 15	7/29/89	-0.10	-0.001	-0.050	-0.01	-0.01	-0.05	1.30	0.50	-0.05	0.001	-0.10	0.0408	7.4	-0.2	1.3	2.2
EPA 15	10/8/89	-0.10	-0.001	-0.050	-0.01	-0.01	-0.05	1.00	-0.43	-0.05	0.001	-0.10	0.0660	-7.6	57.0	1.1	69.0
EPA 15	1/16/90	-0.10	-0.001	-0.050	-0.01	0.01	-0.05	1.60	0.37	-0.05	0.001	-0.10	0.0370	4.9	0.2	-1.0	1.7
EPA 15	4/18/90	-0.10	-0.001	-0.050	-0.01	-0.01	0.08	1.50	0.42	-0.05	0.001	-0.10	0.0390	6.4	-0.2	-1.0	2.9
EPA 15	7/10/90	-0.10	-0.001	-0.050	-0.01	0.04	-0.05	1.39	0.34	-0.05	0.001	-0.10	0.0740	4.4	-0.2	-1.0	2.8
EPA 15	10/10/90	-0.10	-0.001	-0.050	-0.01	0.03	-0.05	1.45	0.30	-0.05	0.001	-0.10	0.0618	3.2	-0.2	-1.0	2.0
EPA 15	1/10/91	-0.10	-0.001	-0.050	-0.01	0.02	-0.05	1.19	0.33	-0.05	0.001	-0.10	0.0554	3.5	-0.2	-1.0	2.1
EPA 15	4/16/91	-0.10	-0.001	-0.010	-0.01	0.02	-0.05	1.15	0.43	-0.05	0.001	-0.10	0.0780	-3.9	-0.2	-1.0	3.0
EPA 15	7/3/91	-0.10	-0.001	-0.010	-0.01	0.03	-0.05	1.55	0.42	-0.05	-0.001	-0.10	0.1280	6.0	-0.2	-1.0	2.0
EPA 15	10/23/91	-0.10	-0.001	-0.010	-0.01	0.02	-0.05	2.06	0.34	-0.05	0.001	-0.10	0.1015	8.4	-0.2	-1.0	-1.0
EPA 15	1/23/92	-0.10	-0.001	-0.010	-0.01	0.01	-0.05	2.39	-0.56	0.07	-0.001	-0.10	0.0650	3.4	-0.2	1.4	2.0
EPA 15	4/2/92	-0.10	-0.001	-0.010	-0.01	0.01	-0.05	2.24	0.58	-0.05	0.001	-0.10	0.0660	6.1	-0.2	-1.0	2.1
EPA 15	7/16/92	-0.10	0.002	-0.010	-0.01	0.02	-0.05	2.98	0.35	-0.05	-0.001	-0.10	0.0340	13.4	-0.2	-1.0	4.9
EPA 15	10/15/92	-0.10	-0.003	-0.010	-0.01	0.02	-0.05	3.68	0.59	0.06	-0.001	-0.10	0.0140	8.8	-0.2	-1.0	5.2
EPA 15	1/13/93	-0.10	-0.001	-0.010	-0.01	0.02	-0.05	2.56	0.72	-0.05	-0.001	-0.10	0.0640	6.5	-0.2	-1.0	2.7
EPA 15	4/15/93	-0.10	0.001	-0.010	-0.01	0.03	-0.05	1.97	0.62	-0.05	-0.001	-0.10	0.0990	6.1	-0.2	-1.0	2.0
EPA 15	7/20/93	-0.10	0.001	-0.010	-0.01	0.02	-0.05	2.62	1.13	-0.05	0.002	-0.10	0.0610	7.9	-0.2	-1.0	3.6
EPA 15	10/12/93	-0.10	-0.001	-0.010	-0.01	0.02	-0.05	4.18	-0.10	-0.05	0.001	-0.10	0.0300	11.9	-0.2	1.4	8.0
EPA 15	1/11/94	-0.10	-0.001	-0.010	-0.01	-0.01	-0.05	2.21	1.21	-0.05	-0.001	-0.10	0.0740	8.5	-0.2	-1.0	12.1
EPA 15	4/19/94	-0.10	0.002	-0.010	-0.01	0.05	-0.05	1.16	1.20	-0.05	0.001	-0.10	0.1210	8.1	-0.2	-1.0	10.8
EPA 15	7/26/94	-0.10	-0.001	-0.010	-0.01	-0.01	-0.05	2.82	0.93	-0.05	0.009	-0.10	0.0500	12.8	-0.2	1.8	17.1
EPA 15	10/11/94	0.30	-0.001	-0.010	-0.01	0.07	-0.05	4.42	0.75	-0.05	-0.001	-0.10	0.0290	12.2	-0.2	3.8	14.7
EPA 15	1/10/95	-0.10	-0.001	-0.010	-0.01	0.02	-0.05	3.08	0.81	-0.05	-0.001	-0.10	0.0450	9.8	-0.2	-1.0	11.9
EPA 15	4/11/95	-0.10	-0.001	-0.010	-0.01	-0.01	-0.05	3.08	0.67	-0.05	-0.001	-0.10	0.0380	9.9	-0.2	-1.0	12.7
EPA 15	7/11/95	5.65	-0.001	-0.010	-0.01	0.20	-0.05	7.18	0.65	0.19	-0.001	-0.10	0.0120	33.8	-0.2	-1.0	29.5
EPA 15	10/10/95	5.67	0.001	-0.010	-0.01	0.17	-0.05	7.13	1.05	0.16	0.010	-0.10	0.0087	20.7	-0.2	-1.0	19.8
EPA 15	1/8/96																
EPA 17	7/20/89	0.18	0.224	-0.050	-0.01	0.08	-0.05	6.90	1.20	0.24	-0.001	-0.10	0.0530	6.8	18.4	1.2	14.4
EPA 17	10/8/89	-0.10	0.253	-0.050	-0.01	0.07	-0.05	6.70	0.83	0.21	-0.001	-0.10	0.0760	3.8	-0.2	-1.0	3.0
EPA 17	1/10/90	0.16	0.133	-0.050	-0.01	0.12	-0.05	5.90	0.46	0.24	-0.001	-0.10	0.0460	5.0	-0.2	-1.0	2.3
EPA 17	4/10/90	-0.10	0.140	-0.050	0.02	0.13		6.70	0.32	0.17	-0.001	-0.10	0.0480	5.9	-0.2	-1.0	3.4
EPA 17	7/10/90	0.14	0.019	-0.050	-0.01	0.07	-0.05	6.77	0.22	0.25	-0.001	-0.10	0.0450	6.2	-0.2	-1.0	2.9
EPA 17	10/9/90	-0.10	0.054	-0.050	-0.01	0.09	-0.05	6.63	0.20	0.23	-0.001	-0.10	0.0332	9.8	-0.2	-1.0	2.0
EPA 17	1/11/91	-0.10	0.022	-0.010	-0.01	0.12	-0.05	7.50	-0.10	0.29	-0.001	-0.10	0.0134	7.3	-0.2	-1.0	3.8
EPA 17	4/10/91	0.36	0.007	-0.010	-0.01	0.12	-0.05	6.60	0.12	0.29	-0.001	-0.10	0.0147	-4.2	-0.2	-1.0	3.0
EPA 17	7/9/91	0.26	0.002	-0.010	-0.01	0.08	-0.05	6.15	-0.10	0.17	-0.001	-0.10	0.0151	-7.1	-0.2	-1.0	2.0
EPA 17	10/17/91	0.13	0.003	-0.010	-0.01	0.09	-0.05	5.98	-0.10	0.22	-0.001	-0.10	0.0132	-3.0	-0.2	-1.0	2.0

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TABLE C.1

ZONE 3 DATA SUMMARY
1989 - 2000

Well No.	Date	Water Elevation (ft AMSL)	Field pH (SU)	Lab pH (SU)	Lab TDS (mg/L)	Ca (mg/L)	Mg (mg/L)	Na (mg/L)	K (mg/L)	HCO_3 (mg/L)	SO_4 (mg/L)	Cl (mg/L)	NH_4 as N (mg/L)	NO_3 as N (mg/L)	Chloro-form (mg/L)	Naphtha-lene (mg/L)	Cyanide (mg/L)
	NRC Standard	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.001	0.001	0.005
	EPA Standard	NA	NA	NA	4,800	NA	NA	NA	NA	NA	2,125	250.0	NA	190	NA	NA	NA
EPA 17	1/21/92	6884.70	6.3	6.66	6,718	473	769	145	11.5	159	4,556	37.5	0.33	-0.10	-0.00100	-0.0010	-0.005
EPA 17	4/14/92	6884.50	6.4	7.72	5,908	441	528	157	12.5	255	3,632	34.3	0.50	-0.10	-0.00100	-0.0010	-0.005
EPA 18*	7/25/89	6884.40	5.7	5.46	5,818	543	608	132	11.6	44.0	3,974	27.1	0.46	0.08	-0.00100	-0.0010	-0.005
EPA 18*	10/4/89	6884.10	5.3	5.97	5,742	513	604	113	12.6	49.0	3,746	27.5	0.43	0.01	-0.00100	-0.0010	-0.005
EPA 18*	1/16/90	6883.30	5.2	5.46	5,514	468	549	123	11.1	19.5	3,654	25.4	0.50	0.06	-0.00100	-0.0010	-0.005
EPA 18*	4/17/90	6882.70	5.2	5.26	5,585	464	520	122	10.5	10.2	3,582	27.0	0.49	0.16	-0.00100	-0.0010	-0.005
EPA 18*	7/17/90	6881.90	5.4	5.68	5,902	543	608	124	31.8	31.5	3,513	26.4	0.27	0.07	-0.00100	-0.0010	-0.005
EPA 18*	10/16/90	6881.30	5.4	5.93	5,925	508	588	139	11.0	26.0	3,880	32.2	0.39	0.04	-0.00100	-0.0010	-0.005
EPA 18*	1/8/91	6880.60	5.1	5.25	5,905	518	647	129	18.0	12.0	3,917	28.3	0.53	-0.01	-0.00100	-0.0010	-0.005
EPA 18*	4/16/91	6880.30	5.0	5.50	5,946	551	712	144	10.6	10.0	3,916	34.1	0.48	-0.01	-0.00100	-0.0010	-0.005
EPA 18*	7/3/91	6879.90	5.3	5.97	6,159	577	698	129	9.4	36.0	4,215	15.8	0.64	0.01	-0.00100	-0.0010	-0.005
EPA 18*	10/22/91	6879.60	5.4	5.81	6,202	484	722	139	10.6	69.0	4,235	38.3	0.61	0.02	-0.00100	-0.0010	-0.005
EPA 18*	1/22/92	6879.00	5.6	6.00	6,396	484	657	135	10.4	36.8	4,267	29.4	0.61	-0.01	-0.00100	-0.0010	-0.005
EPA 18*	4/2/92	6878.80	5.5	7.16	5,799	508	660	167	13.1	75.1	4,351	38.3	0.67	-0.01	-0.00100	-0.0010	-0.005
EPA 18*	7/15/92	6877.70	5.5	6.09	6,375	492	686	131	11.5	8.0	4,196	29.7	0.25	0.10	-0.00100	-0.0010	-0.005
EPA 18*	10/14/92	6877.20	5.3	5.38	6,100	480	624	132	11.3	12.2	4,126	30.5	0.32	-0.10	-0.00100	-0.0010	-0.005
EPA 18*	1/14/93	6877.90	5.2	5.74	5,947	455	609	137	9.9	16.8	4,187	30.9	0.69	-0.10	-0.00100	-0.0010	-0.005
EPA 18*	4/15/93	6877.80	5.3	5.79	6,132	414	694	152	9.8	18.1	3,999	31.2	0.51	0.20	-0.00100	-0.0010	-0.005
EPA 18*	7/20/93	6876.50	5.3	5.75	5,982	489	705	147	10.4	12.3	4,215	31.9	0.32	-0.10	-0.00100	-0.0010	-0.005
EPA 18*	10/12/93	6873.80	5.8	5.44	5,825	473	690	135	10.5	18.0	4,264	28.9	0.39	-0.10	-0.00100	-0.0010	-0.005
EPA 18*	1/11/94	6875.60	5.7	6.22	6,038	453	707	134	10.2	20.3	4,228	29.5	0.46	-0.10	-0.00100		
EPA 18*	4/20/94	6874.90	5.5	6.00	5,622	458	683	125	9.8	15.3	4,196	33.0	1.09	-0.10	-0.00100		
EPA 18*	7/26/94	6875.90	5.7	6.69	5,618	525	682	149	11.3	17.7	4,106	30.7	0.46	-0.10	-0.00100		
EPA 18*	10/11/94	6874.50	5.8	6.55	6,374	456	764	157	11.4	22.4	4,604	33.7	0.75	-0.10	-0.00100		

Refer to page 1 for explanatory notes

TABLE C.1

ZONE 3 DATA SUMMARY
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Well No.	Date	Al (mg/L)	As (mg/L)	Be (mg/L)	Cd (mg/L)	Co (mg/L)	Pb (mg/L)	Mn (mg/L)	Mo (mg/L)	Ni (mg/L)	Se (mg/L)	V (mg/L)	U (mg/L)	Ra-226+ Ra-228 (pCi/L)	Th-230 (pCi/L)	Pb-210 (pCi/L)	Gross Alpha (pCi/L)
	NRC Standard	NA	0.05	0.05	0.01	NA	0.05	NA	NA	0.05	0.01	0.10	0.3	5.0	5.0	1.0	15.0
	EPA Standard	5.00	0.05	0.017	0.01	0.05	0.05	2.60	1.0	0.2	0.01	0.70	5.0	5.0	NA	NA	15.0
EPA 17	1/21/92	-0.10	0.005	-0.010	-0.01	0.08	-0.05	5.42	0.10	0.17	0.001	-0.10	0.0230	-2.3	-0.2	1.2	1.0
EPA 17	4/14/92	-0.10	0.022	-0.010	-0.01	0.05	-0.05	5.08	0.37	0.15	0.002	-0.10	0.0410	9.5	-0.2	-1.0	1.2
EPA 18*	7/25/89	-0.10	0.008	-0.050	-0.01	0.19	-0.05	6.70	0.05	0.23	-0.001	-0.10	0.0310	12.6	6.1	-1.0	8.0
EPA 18*	10/4/89	-0.10	0.006	-0.050	-0.01	0.21	-0.05	7.00	-0.01	0.27	-0.001	-0.10	0.0370	12.5	0.3	2.1	6.2
EPA 18*	1/16/90	-0.10	0.004	-0.050	-0.01	0.20	-0.05	7.50	-0.10	0.30	-0.001	-0.10	0.0190	12.2	0.7	-1.0	5.3
EPA 18*	4/17/90	-0.10	0.002	-0.050	-0.01	0.20	-0.05	6.30	-0.10	0.27	-0.001	-0.10	0.0190	12.5	-0.2	1.2	7.6
EPA 18*	7/17/90	0.20	0.012	-0.050	-0.01	0.17	-0.05	6.09	0.12	0.28	-0.001	-0.10	0.0824	7.6	-0.2	-1.0	4.0
EPA 18*	10/16/90	0.10	0.015	-0.050	-0.01	0.19	-0.05	6.49	-0.10	0.27	-0.001	-0.10	0.0577	18.4	-0.2	1.4	6.0
EPA 18*	1/8/91	0.61	0.001	-0.010	-0.01	0.21	-0.05	6.89	-0.10	0.27	-0.001	-0.10	0.0357	14.0	-0.2	-1.0	6.0
EPA 18*	4/16/91	-0.10	0.001	-0.010	-0.01	0.17	-0.05	6.13	-0.10	0.22	-0.001	-0.10	0.0310	15.1	-0.2	2.5	6.0
EPA 18*	7/3/91	0.66	0.024	-0.010	-0.01	0.14	-0.05	6.62	0.10	0.20	-0.001	-0.10	0.0700	12.4	-0.2	-1.0	4.0
EPA 18*	10/22/91	0.34	0.019	-0.010	-0.01	0.13	-0.05	7.44	-0.10	0.21	-0.001	-0.10	0.0005	-5.6	-0.2	-1.0	5.0
EPA 18*	1/22/92	0.27	0.014	-0.010	-0.01	0.10	-0.05	6.15	-0.10	0.17	-0.001	-0.10	0.0860	14.7	-0.2	-1.0	8.0
EPA 18*	4/2/92	-0.10	0.014	-0.010	-0.01	0.13	-0.05	7.16	0.10	0.26	-0.001	-0.10	0.0780	15.2	-0.2	-1.0	4.7
EPA 18*	7/15/92	-0.10	0.003	-0.010	-0.01	0.12	-0.05	6.45	-0.10	0.19	-0.001	-0.10	0.0640	14.1	-0.2	1.0	5.0
EPA 18*	10/14/92	0.18	0.002	-0.010	-0.01	0.15	-0.05	5.97	-0.10	0.24	-0.001	-0.10	0.0810	15.7	-0.2	1.8	5.8
EPA 18*	1/14/93	-0.10	-0.001	-0.010	-0.01	0.16	-0.05	7.66	-0.10	0.32	-0.001	-0.10	0.0380	18.1	-0.2	-1.0	6.8
EPA 18*	4/15/93	-0.10	0.001	-0.010	-0.01	0.16	-0.05	6.91	-0.10	0.26	-0.001	-0.10	0.0580	13.1	-0.2	-1.0	4.5
EPA 18*	7/20/93	-0.10	-0.001	-0.010	-0.01	0.18	-0.05	6.51	-0.10	0.31	-0.001	-0.10	0.0450	19.0	-0.2	-1.0	7.9
EPA 18*	10/12/93	-0.10	-0.001	-0.010	-0.01	0.14	-0.05	6.57	-0.10	0.24	-0.001	-0.10	0.0580	14.8	-0.2	1.8	7.0
EPA 18*	1/11/94	-0.10	-0.001	-0.010	-0.01	0.12	-0.05	6.70	-0.10	0.28	-0.001	-0.10	0.0410	18.5	-0.2	-1.0	25.6
EPA 18*	4/20/94	-0.10	-0.001	-0.010	-0.01	0.12	-0.05	5.69	-0.10	0.27	-0.001	-0.10	0.0230	11.9	-0.2	-1.0	15.5
EPA 18*	7/26/94	-0.10	-0.001	-0.010	-0.01	0.15	-0.05	6.64	-0.10	0.23	-0.001	-0.10	0.0120	19.5	-0.2	-1.0	26.4
EPA 18*	10/11/94	-0.10	-0.001	-0.010	-0.01	0.08	-0.05	5.30	-0.10	0.16	-0.001	-0.10	0.0080	10.3	-0.2	3.4	12.7

Refer to page 1 for explanatory notes

TABLE C.2

WATER LEVEL DATA FOR ZONE 3
IDLED AND DECOMISSIONED WELLS
1994 - 2000

Well Number (a)	Date	Water Elevation (ft AMSL)
402	5/15/00	6856.0
402	7/20/00	6856.4
424	5/15/00	Dry
424	7/20/00	Dry
446	5/15/00	6836.4
446	7/20/00	6840.1
0608	1/7/94	6882.9
0608	4/11/94	6883.0
0608	7/19/94	6882.7
0608	10/3/94	6882.2
0608	1/3/95	6882.1
0608	4/7/95	6882.1
0608	7/12/95	6882.0
0608	10/3/95	6881.8
0608	1/2/96	6881.7
0608	4/1/96	6881.7
0608	7/30/96	6881.9
0608	10/10/96	6881.2
0608	1/28/97	6881.4
0608	4/16/97	6881.0
0608	10/10/97	6880.9
0608	1/21/98	6880.0
0608	4/6/98	6881.3
0608	7/16/98	6979.4
0608	10/13/98	6879.4
0608	1/12/99	6879.5
0608	4/7/99	6879.5
0608	7/21/99	6878.7
0608	10/13/99	6879.3
0608	1/12/00	6881.0
0608	5/15/00	--
0608	8/21/00	--
0613	5/2/00	6884.6
0613	7/11/00	6883.7
0701	5/15/00	6880.2
0701	7/20/00	6879.9
0702	1/7/94	6896.1
0702	4/11/94	6896.2
0702	7/19/94	6895.9
0702	10/3/94	6895.8
0702	1/3/95	6895.8
0702	4/7/95	6895.8
0702	7/12/95	6895.7
0702	10/3/95	6895.7
0702	1/2/96	6895.5
0702	4/1/96	6895.4
0702	7/30/96	6895.3
0702	10/10/96	6895.2
0702	1/28/97	6895.3
0702	4/16/97	6894.9
0702	7/15/97	6894.8
0702	10/10/97	6894.7
0702	1/21/98	6894.9
0702	4/6/98	6894.7
0702	7/16/98	6894.8
0702	10/13/98	6894.8
0702	1/12/99	6894.7

TABLE C.2

WATER LEVEL DATA FOR ZONE 3
IDLED AND DECOMISSIONED WELLS
1994 - 2000

Well Number (a)	Date	Water Elevation (ft AMSL)
0702	4/7/99	6894.7
0702	7/21/99	6894.5
0702	10/13/99	6894.8
0702	1/12/00	6894.3
0702	5/15/00	6894.1
0702	7/20/00	6894.2
0703	1/7/94	6888.4
0703	4/11/94	6890.0
0703	7/19/94	6890.6
0703	10/3/94	6890.7
0703	1/3/95	6890.7
0703	4/7/95	6890.9
0703	7/12/95	6891.0
0703	10/3/95	6891.0
0703	1/2/96	6890.8
0703	4/1/96	6890.9
0703	7/30/96	6890.7
0703	10/10/96	6890.7
0703	1/28/97	6890.9
0703	4/16/97	6890.6
0703	7/15/97	6890.6
0703	10/10/97	6890.5
0703	1/21/98	6890.7
0703	4/6/98	6890.6
0703	7/16/98	6890.7
0703	10/13/98	6890.7
0703	1/12/99	6890.6
0703	4/7/99	6890.8
0703	7/21/99	6890.5
0703	10/13/99	6890.5
0703	1/12/00	6890.5
0703	5/15/00	--
0703	8/21/00	--
0706	5/15/00	6862.3
0706	7/20/00	6862.3
0707	5/15/00	6855.6
0707	7/20/00	6856.1
0710	1/7/94	6865.8
0710	4/11/94	6865.7
0710	7/19/94	6865.4
0710	10/3/94	6865.3
0710	1/3/95	6864.3
0710	4/7/95	6864.0
0710	7/13/95	6863.4
0710	10/3/95	6863.1
0710	1/2/96	6862.3
0710	4/1/96	6862.1
0710	7/30/96	6861.5
0710	10/10/96	6861.1
0710	1/28/97	6861.1
0710	4/16/97	6860.5
0710	7/15/97	6860.0
0710	10/10/97	6859.8
0710	1/21/98	6859.8
0710	4/6/98	6859.6
0710	7/16/98	6959.4
0710	10/13/98	6859.3

TABLE C.2

WATER LEVEL DATA FOR ZONE 3
IDLED AND DECOMISSIONED WELLS
1994 - 2000

Well Number (a)	Date	Water Elevation (ft AMSL)
0710	1/12/99	6859.0
0710	4/7/99	6859.1
0710	7/21/99	6858.5
0710	10/13/99	6858.3
0710	1/12/00	6858.9
0710	5/15/00	6858.8
0710	7/20/00	6858.7
0712	1/7/94	6858.1
0712	4/11/94	6858.7
0712	7/19/94	6857.6
0712	10/3/94	6857.5
0712	1/3/95	6856.9
0712	4/7/95	6856.6
0712	7/13/95	6856.0
0712	10/3/95	6855.8
0712	1/2/96	6854.9
0712	4/1/96	6854.9
0712	7/30/96	6854.5
0712	10/10/96	6854.2
0712	1/28/97	6854.4
0712	4/16/97	6853.9
0712	7/15/97	6853.7
0712	10/10/97	6853.7
0712	1/21/98	6853.4
0712	4/6/98	6853.1
0712	7/16/98	6852.9
0712	10/13/98	6852.9
0712	1/12/99	6852.9
0712	4/7/99	6852.9
0712	7/21/99	6852.5
0712	10/13/99	6852.6
0712	1/12/00	6852.7
0712	5/15/00	6852.5
0712	7/20/00	6852.4
0714	1/7/94	6871.7
0714	4/11/94	6880.5
0714	7/19/94	6879.1
0714	10/3/94	6878.3
0714	1/3/95	6879.0
0714	4/7/95	6877.7
0714	7/13/95	6876.7
0714	10/3/95	6876.1
0714	1/2/96	6875.2
0714	4/1/96	6874.7
0714	7/30/96	6874.6
0714	10/10/96	6873.2
0714	1/28/97	6872.9
0714	4/16/97	6872.4
0714	7/15/97	6871.9
0714	10/10/97	6871.4
0714	1/21/98	6871.9
0714	4/6/98	6871.6
0714	7/16/98	6871.4
0714	10/13/98	6871.2
0714	1/12/99	6870.7
0714	4/7/99	6870.9
0714	7/21/99	6870.0

TABLE C.2

WATER LEVEL DATA FOR ZONE 3
IDLED AND DECOMISSIONED WELLS
1994 - 2000

Well Number (a)	Date	Water Elevation (ft AMSL)
0714	10/13/99	6870.0
0714	1/12/00	6863.5
0714	5/15/00	6869.2
0714	7/20/00	6869.1
0715	1/7/94	6882.2
0715	4/11/94	6873.5
0715	7/19/94	6870.3
0715	10/3/94	6870.0
0715	1/3/95	6870.6
0715	4/7/95	6870.3
0715	7/13/95	6867.8
0715	10/3/95	6867.0
0715	1/2/96	6874.6
0715	4/1/96	6865.5
0715	7/30/96	6865.3
0715	10/10/96	6863.9
0715	1/28/97	6864.3
0715	4/16/97	6863.2
0715	7/15/97	6861.8
0715	10/10/97	6862.9
0715	1/21/98	6862.1
0715	4/6/98	6861.0
0715	7/16/98	6860.6
0715	10/13/98	6860.8
0715	1/12/99	6859.7
0715	4/7/99	6860.2
0715	7/21/99	6858.0
0715	10/13/99	6857.9
0715	1/12/00	6859.0
0715	5/15/00	--
0715	8/21/00	--
0717	5/15/00	6850.1
0717	7/20/00	6853.7
0719	5/15/00	6843.2
0719	7/20/00	6844.0

Notes:

AMSL - Above Mean Sea Level

a. Wells 608, 702, 703, 710, and 712 decommissioned at the end of the 1993 operating year and converted to water level monitoring wells.
Wells 714 and 715 idled at the end of the 1993 operating year and temporarily converted to water level monitoring wells.
Wells 402, 424, 446, 613, 701, 706, 707, 717 and 719 were added to the monitoring program for water level only in 2nd quarter 2000.

LABORATORY ANALYTICAL DATA
2000

SEMI-ANNUAL GROUND WATER MONITORING REPORT

JANUARY 1, 2000 THROUGH JUNE 30, 2000

ZONE 3

517*

518* (1ST QR. Only)

420

502-B (1st. Qr. Only)

504-B

EPA-9 (1st Qr. Only)

EPA-13 (1st Qr. Only)

EPA-14

711 and Duplicate (2nd Qr. Addition)

613 (2nd Qr. Addition)

* Point of Compliance Wells

Levels Only

608 (1st Qr. Only)

703 (1st Qr. Only)

715 (1st Qr. Only)

702

710

712

713

714

701 (2nd Qr. Addition)

706 (2nd Qr. Addition)

707 (2nd Qr. Addition)

717 (2nd Qr. Addition)

719 (2nd Qr. Addition)

402 (2nd Qr. Addition)

446 (2nd Qr. Addition)

EPA-9 (2nd Qr. Addition)

EPA-9 (2nd Qr. Addition)

EPA-13 (2nd Qr. Addition)

UNC MINING AND MILLING: CHURCHROCK OPERATIONS
GROUNDWATER MONITORING PROGRAM: ZONE 3 MONITOR WELLS

WELL ID:	517	517	517	517
LABORATORY ID:	99-33594-001	30151-2	32500-1	00-34508-1
SAMPLE DATE/TIME:	10-05-99 @ 09:16	01-04-00 @ 10:25	05-01-00	07/18/00 10:00
DATE RECEIVED:				7/20/00
REPORT DATE:	November 12, 1999	February 22, 2000	May 28, 2000	August 21, 2000
QUARTER REPRESENTED:	Fourth '99	First 2000	Second 2000	Third 2000
UNC SUBMITTAL #:	TE-7-10-99	TE-1-1-2000	TE-3-5-2000	TE-7-7-2000

Major Ions	Method	Units	Reporting Limit	Results	Results	Results	Results
Calcium	EPA 200.7	mg/L	0.05	515	476	436	461
Magnesium	EPA 200.7	mg/L	0.01	520	476	415	435
Sodium	EPA 200.7	mg/L	0.05	164	146	146	149
Potassium	EPA 200.7	mg/L	0.10	8.9	9.7	9.5	8.56
Bicarbonate	SM 2320-B	mg/L	0.10	< 0.10	3.0	5.0	7.00
Sulfate	EPA 200.7	mg/L	1.0	3510	3150	3000	2850
Chloride	EPA 200.7	mg/L	1.0	54.7	50.2	54.6	50.6
Ammonium as N	SM 4500-NH_3-G	mg/L	0.05	13.7	12.5	13.0	12.5
Nitrate + Nitrite as N	EPA 353.2	mg/L	0.10	4.42	5.16	3.77	3.95
Non-Metals							
Total Dissolved Solids	SM 2540-C	mg/L	1.0	4970	4830	4750	4800
pH	SM 4500-H-B	std. units	0.10	4.40	4.67	4.67	4.70
Trace Metals							
Aluminum	EPA 200.7	mg/L	0.10	11.2	8.59	11.6	10.2
Arsenic III	SM 3114C	mg/L	0.001	< 0.001	< 0.001	< 0.001	< 0.001
Beryllium	EPA 200.7	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01
Cadmium	EPA 200.8	mg/L	0.005	0.011	< 0.005	0.056	0.008
Cobalt	EPA 200.7	mg/L	0.01	0.61	0.63	0.57	0.55
Iron	EPA 200.7	mg/L	0.05				1.55
Lead	EPA 200.7	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05
Manganese	EPA 200.7	mg/L	0.01	8.82	8.36	7.71	7.14
Molybdenum	EPA 200.7	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nickel	EPA 200.7	mg/L	0.05	0.44	0.54	0.51	0.37
Selenium IV	SM 3114C	mg/L	0.001	0.002	< 0.001	< 0.001	< 0.001
Vanadium	EPA 200.7	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Radiometrics							
Uranium	EPA 200.8	mg/L	0.0003	0.0731	0.0657	0.0695	0.0661
Radium 226	EPA 903.0	pCi/L	0.2	9.8	8.6	19.0	9.6
Radium Error Estimate ±				0.9	0.6	1.4	0.6
Radium 228	EPA 904.0	pCi/L	1.0	13.2	12.1	11.0	13.1
Radium Error Estimate ±				1.4	1.0	1.2	1.0
Thorium 230	EPA 907.0	pCi/L	0.2	< 0.2	< 0.2	3.2	1.7
Thorium Error Estimate ±						0.9	0.7
Lead 210	NERHL-65-4	pCi/L	1.0	< 1.0	< 1.0	4.2	< 1.0
Lead Error Estimate ±						1.9	
Gross Alpha	EPA 900.0	pCi/L	1.0	10.0	7.2	20.8	26.7
G. Alpha Error Estimate ±				1.0	1.3	1.2	3.7
Trace Organics							
Chloroform	EPA 601	µg/L	1.0	5.0	4.5	5.4	5.1

Quality Assurance Data		Target Range				
Anion	meq		75.0	67.5	64.4	61.2
Cation	meq		79.1	72.4	65.6	67.3
SM A/C Balance	%	-5 - +5	2.70	3.51	0.94	4.74
Calc TDS	mg/L		4819	4357	4105	3998
TDS A/C Balance	dec. %	0.80 - 1.20	1.03	1.11	1.16	1.20

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UNC MINING AND MILLING: CHURCHROCK OPERATIONS
GROUNDWATER MONITORING PROGRAM: ZONE 3 MONITOR WELLS

WELL ID:	518	518	518
LABORATORY ID:	99-35528	99-33594-004	30151-5
SAMPLE DATE:	07-13-99	10-05-99 @ 14:00	01-04-00 @ 15:25
REPORT DATE:	August 23, 1999	November 12, 1999	February 22, 2000
QUARTER REPRESENTED:	Third '99	Fourth '99	First 2000
UNC SUBMITTAL #:	TE-5-7-99	TE-7-10-99	TE-1-1-2000

Major Ions	Method	Units	Reporting Limit	Results	Results	Results
Calcium	EPA 200.7	mg/L	0.05	464	478	445
Magnesium	EPA 200.7	mg/L	0.01	737	772	729
Sodium	EPA 200.7	mg/L	0.05	129	139	128
Potassium	EPA 200.7	mg/L	0.10	16.1	14.7	15.5
Bicarbonate	SM 2320 B.	mg/L	0.10	< 0.10	< 0.10	< 0.10
Sulfate	EPA 200.7	mg/L	1.0	5000	5300	4960
Chloride	EPA 200.7	mg/L	1.0	31.7	35.4	37.1
Ammonium as N	SM 4500-NH_3 G.	mg/L	0.05	7.17	8.36	7.70
Nitrate + Nitrite as N	EPA 353.2	mg/L	0.10	0.62	0.98	1.50
Non-Metals						
Total Dissolved Solids @ 180°C	SM 2540 C. Mod.	mg/L	1.0	7690	7660	7540
pH	SM 4500-H B.	std. units	0.10	3.62	3.61	3.58
Trace Metals						
Aluminum	EPA 200.8	mg/L	0.10	69.5	86.5	55.1
Arsenic III	SM 3114C	mg/L	0.001	< 0.001	< 0.001	< 0.001
Beryllium	EPA 200.8	mg/L	0.01	0.05	0.06	0.05
Cadmium	EPA 200.8	mg/L	0.005	< 0.005	0.010	< 0.005
Cobalt	EPA 200.8	mg/L	0.01	1.11	1.17	1.04
Lead	EPA 200.8	mg/L	0.05	< 0.05	< 0.05	< 0.05
Manganese	EPA 200.8	mg/L	0.01	16.2	18.4	17.1
Molybdenum	EPA 200.8	mg/L	0.10	< 0.10	< 0.10	< 0.10
Nickel	EPA 200.8	mg/L	0.05	1.10	1.18	1.06
Selenium IV	SM 3114C	mg/L	0.001	< 0.001	< 0.001	0.001
Vanadium	EPA 200.8	mg/L	0.10	< 0.10	< 0.10	< 0.10
Radiometrics						
Uranium	EPA 200.8	mg/L	0.0003	0.0198	0.327	0.306
Radium 226	EPA 903.0	pCi/L	0.2	3.5	6.1	9.1
Radium Precision ±				0.3	0.7	0.9
Radium 228	EPA 904.0	pCi/L	1.0	< 1.0	4.6	< 1.0
Radium Precision ±					0.2	
Thorium 230	EPA 907.0	pCi/L	0.2	7.8	7.1	8.5
Thorium Precision ±				1.4	0.5	1.8
Lead 210	NEHRL-65-4	pCi/L	1.0	< 1.0	< 1.0	< 1.0
Lead Precision ±						
Gross Alpha	EPA 900.1	pCi/L	1.0	14.0	13.6	12.3
G. Alpha Precision ±				1.0	1.1	1.7
Trace Organics						
Chloroform	EPA 601	µg/L	1.0	8.3	8.3	7.9

Quality Assurance Data		Target Range			
Anion	meq		105.11	111.49	104.49
Cation	meq		99.76	105.87	96.57
WYDEQ A/C Balance	%	-5 - +5	-2.61	-2.58	-3.94
Calc TDS	mg/L		6406	6773	6348
TDS A/C Balance	dec. %	0.80 - 1.20	1.20	1.13	1.19

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UNC MINING AND MILLING: CHURCHROCK OPERATIONS
GROUNDWATER MONITORING PROGRAM: ZONE 3 MONITOR WELLS

WELL ID:	502-B	502-B	502-B
LABORATORY ID:	99-35532	99-33594-003	30151-4
SAMPLE DATE:	07-13-99	10-05-99 @ 13:50	01-04-00 @ 15:15
REPORT DATE:	August 26, 1999	November 12, 1999	February 22, 2000
QUARTER REPRESENTED:	Third '99	Fourth '99	First 2000
UNC SUBMITTAL #:	TE-5-7-99	TE-7-10-99	TE-1-1-2000

Major Ions	Method	Units	Reporting Limit	Results	Results	Results
Calcium	EPA 200.7	mg/L	0.05	487	503	469
Magnesium	EPA 200.7	mg/L	0.01	580	612	572
Sodium	EPA 200.7	mg/L	0.05	100	114	105
Potassium	EPA 200.7	mg/L	0.10	14.2	13.6	14.0
Bicarbonate	SM 2320 B.	mg/L	0.10	< 0.10	< 0.10	< 0.10
Sulfate	EPA 200.7	mg/L	1.0	3800	4050	3720
Chloride	EPA 200.7	mg/L	1.0	24.9	31.2	28.9
Ammonium as N	SM 4500-NH_3 G.	mg/L	0.05	3.25	3.87	3.29
Nitrate + Nitrite as N	EPA 353.2	mg/L	0.10	< 0.10	< 0.10	< 0.10
Non-Metals						
Total Dissolved Solids @ 180°C	SM 2540 C. Mod.	mg/L	1.0	5820	5830	5750
pH	SM 4500-H B.	std. units	0.10	3.90	3.78	4.29
Trace Metals						
Aluminum	EPA 200.8	mg/L	0.10	6.14	8.31	7.15
Arsenic III	SM 3114C	mg/L	0.001	< 0.001	< 0.001	< 0.001
Beryllium	EPA 200.8	mg/L	0.01	< 0.01	< 0.01	0.02
Cadmium	EPA 200.8	mg/L	0.005	0.006	0.008	< 0.005
Cobalt	EPA 200.8	mg/L	0.01	0.42	0.57	0.50
Lead	EPA 200.8	mg/L	0.05	< 0.05	< 0.05	< 0.05
Manganese	EPA 200.8	mg/L	0.01	10.6	12.0	11.4
Molybdenum	EPA 200.8	mg/L	0.10	< 0.10	0.14	< 0.10
Nickel	EPA 200.8	mg/L	0.05	0.42	0.49	0.53
Selenium IV	SM 3114C	mg/L	0.001	< 0.001	< 0.001	< 0.001
Vanadium	EPA 200.8	mg/L	0.10	< 0.10	< 0.10	< 0.10
Radiometrics						
Uranium	EPA 200.8	mg/L	0.0003	0.120	0.132	0.131
Radium 226	EPA 903.0	pCi/L	0.2	7.4	9.9	11.1
Radium Precision ±				0.4	1.0	0.7
Radium 228	EPA 904.0	pCi/L	1.0	18.3	26.1	12.9
Radium Precision ±				0.8	1.8	1.3
Thorium 230	EPA 907.0	pCi/L	0.2	< 0.2	< 0.2	< 0.2
Thorium Precision ±						
Lead 210	NEHRL-65-4	pCi/L	1.0	< 1.0	< 1.0	< 1.0
Lead Precision ±						
Gross Alpha	EPA 900.1	pCi/L	1.0	14.4	13.1	9.8
G. Alpha Precision ±				1.1	1.1	1.5
Trace Organics						
Chloroform	EPA 601	µg/L	1.0	< 1.0	< 1.0	< 1.0

Quality Assurance Data		Target Range			
Anion	meq		79.88	85.26	78.32
Cation	meq		78.89	83.31	77.69
WYDEQ A/C Balance	%	-5 - +5	-0.62	-1.16	-0.40
Calc TDS	mg/L		5021	5341	4925
TDS A/C Balance	dec. %	0.80 - 1.20	1.16	1.09	1.17

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COMPLETE ANALYTICAL SERVICES

UNC MINING AND MILLING: CHURCHROCK OPERATIONS
GROUNDWATER MONITORING PROGRAM: ZONE 3 MONITOR WELLS

WELL ID:	504-B	504-B	504-B	504-B
LABORATORY ID:	99-33594-002	30151-3	32500-3	00-34356-1
SAMPLE DATE/TIME:	10-05-99 @ 13:35	01-04-00 @ 15:00	05-01-00	07/10/00 10:25
DATE RECEIVED:				7/14/00
REPORT DATE:	November 12, 1999	February 22, 2000	May 28, 2000	August 21, 2000
QUARTER REPRESENTED:	Fourth '99	First 2000	Second 2000	Third 2000
UNC SUBMITTAL #:	TE-7-10-99	TE-1-1-2000	TE-3-5-2000	TE-6-7-2000

Major Ions	Method	Units	Reporting Limit	Results	Results	Results	Results
Calcium	EPA 200.7	mg/L	0.05	540	497	474	506
Magnesium	EPA 200.7	mg/L	0.01	583	543	526	570
Sodium	EPA 200.7	mg/L	0.05	152	135	134	150
Potassium	EPA 200.7	mg/L	0.10	12.5	12.7	12.3	12.3
Bicarbonate	SM 2320-B	mg/L	0.10	9.0	31.0	51.0	48.0
Sulfate	EPA 200.7	mg/L	1.0	3740	3380	3480	3440
Chloride	EPA 200.7	mg/L	1.0	34.0	30.2	34.0	28.4
Ammonium as N	SM 4500-NH_3-G	mg/L	0.05	0.96	0.64	0.75	0.68
Nitrate + Nitrite as N	EPA 353.2	mg/L	0.10	0.26	0.50	< 0.10	< 0.10
Non-Metals							
Total Dissolved Solids	SM 2540-C	mg/L	1.0	5260	5220	5500	5510
pH	SM 4500-H-B	std. units	0.10	5.53	7.11	6.69	6.20
Trace Metals							
Aluminum	EPA 200.7	mg/L	0.10	< 0.10	< 0.10	0.30	0.21
Arsenic III	SM 3114C	mg/L	0.001	0.022	0.021	0.033	0.025
Beryllium	EPA 200.7	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01
Cadmium	EPA 200.8	mg/L	0.005	0.007	< 0.005	0.025	< 0.005
Cobalt	EPA 200.7	mg/L	0.01	0.33	0.32	0.34	0.30
Iron	EPA 200.7	mg/L	0.05				42.2
Lead	EPA 200.7	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05
Manganese	EPA 200.7	mg/L	0.01	6.27	6.02	6.67	6.18
Molybdenum	EPA 200.7	mg/L	0.10	16.3	14.5	15.7	13.4
Nickel	EPA 200.7	mg/L	0.05	0.40	0.48	0.51	0.41
Selenium IV	SM 3114C	mg/L	0.001	0.001	< 0.001	< 0.001	< 0.001
Vanadium	EPA 200.7	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Radiometrics							
Uranium	EPA 200.8	mg/L	0.0003	0.0392	0.0454	0.0388	0.0498
Radium 226	EPA 903.0	pCi/L	0.2	13.5	12.8	21.3	13.4
Radium Error Estimate ±				1.1	0.8	1.5	1.1
Radium 228	EPA 904.0	pCi/L	1.0	16.4	15.7	16.3	20.8
Radium Error Estimate ±				1.5	1.1	1.4	1.5
Thorium 230	EPA 907.0	pCi/L	0.2	< 0.2	< 0.2	< 0.2	< 0.2
Thorium Error Estimate ±							
Lead 210	NERHL-65-4	pCi/L	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Lead Error Estimate ±							
Gross Alpha	EPA 900.0	pCi/L	1.0	12.6	12.3	22.6	21.0
G. Alpha Error Estimate ±				1.1	1.7	1.3	1.8
Trace Organics							
Chloroform	EPA 601	µg/L	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Quality Assurance Data			**Target Range**				
Anion		meq		79.0	71.8	74.3	73.3
Cation		meq		82.9	76.7	74.1	80.0
SM A/C Balance		%	-5 - +5	2.40	3.28	-0.12	4.41
Calc TDS		mg/L		5075	4622	4694	4738
TDS A/C Balance		dec. %	0.80 - 1.20	1.04	1.13	1.17	1.16

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UNC MINING AND MILLING: CHURCHROCK OPERATIONS
GROUNDWATER MONITORING PROGRAM: ZONE 3 MONITOR WELLS

WELL ID:	EPA 9	EPA 9	EPA 9
LABORATORY ID:	99-35991	99-33758-002	30271-2
SAMPLE DATE:	07-20-99	10-12-99 @ 09:50	01-11-00 @ 09:35
REPORT DATE:	August 26, 1999	November 24, 1999	February 18, 2000
QUARTER REPRESENTED:	Third 1999	Fourth 1999	First 2000
UNC SUBMITTAL #:	TE-6-7-99	TE-8-10-99	TE-2-1-2000

Major Ions	Method	Units	Reporting Limit	Results	Results	Results
Calcium	EPA 200.7	mg/L	0.05	492	459	460
Magnesium	EPA 200.7	mg/L	0.01	634	591	610
Sodium	EPA 200.7	mg/L	0.05	104	108	103
Potassium	EPA 200.7	mg/L	0.10	13.1	11.6	12.2
Bicarbonate	SM 2320 B.	mg/L	0.10	< 0.10	< 0.10	< 0.10
Sulfate	EPA 200.7	mg/L	1.0	3860	3680	3690
Chloride	EPA 200.7	mg/L	1.0	32.9	32.6	31.7
Ammonium as N	SM 4500-NH_3 G.	mg/L	0.05	0.48	0.57	0.62
Nitrate + Nitrite as N	EPA 353.2	mg/L	0.10	< 0.10	< 0.10	< 0.10
Non-Metals						
Total Dissolved Solids @ 180°C	SM 2540 C. Mod.	mg/L	1.0	5930	5860	5790
pH	SM 4500-H B.	std. units	0.10	4.18	4.47	4.25
Trace Metals						
Aluminum	EPA 200.8	mg/L	0.10	2.80	3.44	4.12
Arsenic III	SM 3114C	mg/L	0.001	0.002	0.014	< 0.001
Beryllium	EPA 200.8	mg/L	0.01	< 0.01	< 0.01	0.01
Cadmium	EPA 200.8	mg/L	0.005	< 0.005	< 0.005	< 0.005
Cobalt	EPA 200.8	mg/L	0.01	0.17	0.17	0.21
Lead	EPA 200.8	mg/L	0.05	< 0.05	< 0.05	< 0.05
Manganese	EPA 200.8	mg/L	0.01	4.90	5.84	6.52
Molybdenum	EPA 200.8	mg/L	0.10	< 0.10	< 0.10	< 0.10
Nickel	EPA 200.8	mg/L	0.05	0.13	0.12	0.20
Selenium IV	SM 3114C	mg/L	0.001	< 0.001	< 0.001	< 0.001
Vanadium	EPA 200.8	mg/L	0.10	< 0.10	< 0.10	< 0.10
Radiometrics						
Uranium	EPA 200.8	mg/L	0.0003	0.0013	< 0.0003	0.0013
Radium 226	EPA 903.0	pCi/L	0.2	12.7	12.7	12.6
Radium Error Estimate ±				1.0	1.5	1.1
Radium 228	EPA 904.0	pCi/L	1.0	8.4	10.4	8.5
Radium Error Estimate ±				0.6	1.1	0.6
Thorium 230	EPA 907.0	pCi/L	0.2	< 0.2	< 0.2	< 0.2
Thorium Error Estimate ±						
Lead 210	NEHRL-65-4	pCi/L	1.0	< 1.0	< 1.0	< 1.0
Lead Error Estimate ±						
Gross Alpha	EPA 900.1	pCi/L	1.0	13.5	17.4	16.2
G. Alpha Error Estimate ±				1.1	2.0	1.0
Trace Organics						
Chloroform	EPA 601	µg/L	1.0	< 1.0	< 1.0	< 1.0

Quality Assurance Data		Target Range			
Anion	meq		81.35	77.59	77.78
Cation	meq		82.90	77.94	79.48
WYDEQ A/C Balance	%	-5 - +5	0.94	0.22	1.08
Calc TDS	mg/L		5142	4889	4915
TDS A/C Balance	dec. %	0.80 - 1.20	1.15	1.20	1.18

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UNC MINING AND MILLING: CHURCHROCK OPERATIONS
GROUNDWATER MONITORING PROGRAM: ZONE 3 MONITOR WELLS

WELL ID:	EPA 13	EPA 13	EPA 13
LABORATORY ID:	99-35992	99-33758-001	30271-1
SAMPLE DATE:	07-20-99	10-12-99 @ 09:20	01-11-00 @ 09:10
REPORT DATE:	August 26, 1999	November 24, 1999	February 18, 2000
QUARTER REPRESENTED:	Third 1999	Fourth 1999	First 2000
UNC SUBMITTAL #:	TE-6-7-99	TE-8-10-99	TE-2-1-2000

Major Ions	Method	Units	Reporting Limit	Results	Results	Results
Calcium	EPA 200.7	mg/L	0.05	476	430	455
Magnesium	EPA 200.7	mg/L	0.01	791	726	787
Sodium	EPA 200.7	mg/L	0.05	134	133	138
Potassium	EPA 200.7	mg/L	0.10	12.8	11.4	12.0
Bicarbonate	SM 2320 B.	mg/L	0.10	77.0	100	92.0
Sulfate	EPA 200.7	mg/L	1.0	4260	3890	4160
Chloride	EPA 200.7	mg/L	1.0	42.0	40.7	37.5
Ammonium as N	SM 4500-NH_3 G.	mg/L	0.05	0.53	0.53	0.60
Nitrate + Nitrite as N	EPA 353.2	mg/L	0.10	< 0.10	< 0.10	< 0.10
Non-Metals						
Total Dissolved Solids @ 180°C	SM 2540 C. Mod.	mg/L	1.0	6510	6520	6340
pH	SM 4500-H B.	std. units	0.10	6.94	7.16	7.17
Trace Metals						
Aluminum	EPA 200.8	mg/L	0.10	< 0.10	< 0.10	< 0.10
Arsenic III	SM 3114C	mg/L	0.001	< 0.001	0.443	0.347
Beryllium	EPA 200.8	mg/L	0.01	< 0.01	< 0.01	< 0.01
Cadmium	EPA 200.8	mg/L	0.005	< 0.005	< 0.005	< 0.005
Cobalt	EPA 200.8	mg/L	0.01	0.06	0.04	0.06
Lead	EPA 200.8	mg/L	0.05	< 0.05	< 0.05	< 0.05
Manganese	EPA 200.8	mg/L	0.01	4.60	5.63	5.89
Molybdenum	EPA 200.8	mg/L	0.10	0.26	0.30	0.32
Nickel	EPA 200.8	mg/L	0.05	0.10	< 0.05	0.16
Selenium IV	SM 3114C	mg/L	0.001	< 0.001	< 0.001	< 0.001
Vanadium	EPA 200.8	mg/L	0.10	< 0.10	< 0.10	< 0.10
Radiometrics						
Uranium	EPA 200.8	mg/L	0.0003	0.0242	0.0237	0.0207
Radium 226	EPA 903.0	pCi/L	0.2	4.3	4.5	4.7
Radium Error Estimate ±				0.3	0.9	0.3
Radium 228	EPA 904.0	pCi/L	1.0	6.8	6.9	8.5
Radium Error Estimate ±				0.6	1.0	0.6
Thorium 230	EPA 907.0	pCi/L	0.2	< 0.2	< 0.2	1.7
Thorium Error Estimate ±						0.7
Lead 210	NEHRL-65-4	pCi/L	1.0	< 1.0	< 1.0	< 1.0
Lead Error Estimate ±						
Gross Alpha	EPA 900.1	pCi/L	1.0	8.6	5.1	6.3
G. Alpha Error Estimate ±				0.9	0.7	1.2
Trace Organics						
Chloroform	EPA 601	µg/L	1.0	< 1.0	< 1.0	< 1.0

Quality Assurance Data		Target Range			
Anion	meq		91.20	83.83	89.24
Cation	meq		96.17	88.43	95.02
WYDEQ A/C Balance	%	-5 - +5	2.65	2.67	3.14
Calc TDS	mg/L		5760	5288	5643
TDS A/C Balance	dec. %	0.80 - 1.20	1.13	1.23	1.12

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UNC MINING AND MILLING: CHURCHROCK OPERATIONS
GROUNDWATER MONITORING PROGRAM: ZONE 3 MONITOR WELLS

WELL ID:	EPA 14	EPA 14	EPA 14	EPA-14
LABORATORY ID:	99-33758-003	30271-3	32500-4	00-34356-3
SAMPLE DATE/TIME:	10-12-99 @ 14:55	01-11-00 @ 11:22	05-02-00	07-12,00 08:20
DATE RECEIVED:				7-14-00
REPORT DATE:	November 24, 1999	February 18, 2000	May 28, 2000	August 21, 2000
QUARTER REPRESENTED:	Fourth 1999	First 2000	Second 2000	Third 2000
UNC SUBMITTAL #:	TE-8-10-99	TE-2-1-2000	TE-3-5-2000	TE-6-7-2000

Major Ions	Method	Units	Reporting Limit	Results	Results	Results	Results
Calcium	EPA 200.7	mg/L	0.05	669	599	590	563
Magnesium	EPA 200.7	mg/L	0.01	191	211	200	368
Sodium	EPA 200.7	mg/L	0.05	122	121	126	161
Potassium	EPA 200.7	mg/L	0.10	7.9	8.6	8.6	8.65
Bicarbonate	SM 2320-B	mg/L	0.10	746	650	627	239
Sulfate	EPA 200.7	mg/L	1.0	1630	1820	1880	2560
Chloride	EPA 200.7	mg/L	1.0	71.2	60.9	60.5	53.1
Ammonium as N	SM 4500-NH_3-G	mg/L	0.05	2.01	1.85	1.83	0.56
Nitrate + Nitrite as N	EPA 353.2	mg/L	0.10	32.3	32.4	34.4	23.0

Non-Metals							
Total Dissolved Solids	SM 2540-C	mg/L	1.0	3700	3790	3800	4410
pH	SM 4500-H-B	std. units	0.10	7.68	7.73	7.56	7.11

Trace Metals							
Aluminum	EPA 200.7	mg/L	0.10	< 0.10	0.17	8.30	31.6
Arsenic III	SM 3114C	mg/L	0.001	< 0.001	< 0.001	< 0.001	0.002
Beryllium	EPA 200.7	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01
Cadmium	EPA 200.8	mg/L	0.005	< 0.005	< 0.005	0.014	< 0.005
Cobalt	EPA 200.7	mg/L	0.01	0.02	0.04	0.05	0.18
Iron	EPA 200.7	mg/L	0.05				< 0.05
Lead	EPA 200.7	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05
Manganese	EPA 200.7	mg/L	0.01	2.86	2.96	3.24	4.36
Molybdenum	EPA 200.7	mg/L	0.10	0.15	0.18	0.20	< 0.10
Nickel	EPA 200.7	mg/L	0.05	< 0.05	0.08	< 0.05	0.15
Selenium IV	SM 3114C	mg/L	0.001	< 0.001	0.001	< 0.001	< 0.001
Vanadium	EPA 200.7	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10

Radiometrics							
Uranium	EPA 200.8	mg/L	0.0003	0.127	0.104	0.120	0.0530
Radium 226	EPA 903.0	pCi/L	0.2	3.5	5.1	8.0	3.8
Radium Error Estimate ±				0.4	0.4	0.5	0.3
Radium 228	EPA 904.0	pCi/L	1.0	7.1	7.8	11.1	5.9
Radium Error Estimate ±				1.0	0.6	1.2	0.6
Thorium 230	EPA 907.0	pCi/L	0.2	< 0.2	< 0.2	2.0	< 0.2
Thorium Error Estimate ±						0.8	
Lead 210	NERHL-65-4	pCi/L	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Lead Error Estimate ±							
Gross Alpha	EPA 900.0	pCi/L	1.0	5.2	7.6	6.5	5.4
G. Alpha Error Estimate ±				0.7	1.3	1.3	1.9

Trace Organics							
Chloroform	EPA 601	µg/L	1.0	< 1.0	< 1.0	< 1.0	< 1.0

Quality Assurance Data		Target Range				
Anion	meq		50.5	52.6	53.6	60.4
Cation	meq		55.2	53.3	53.1	66.3
SM A/C Balance	%	-5 - +5	4.43	0.68	-0.48	4.68
Calc TDS	mg/L		3213	3294	3337	3940
TDS A/C Balance	dec. %	0.80 - 1.20	1.15	1.15	1.14	1.12

UNC MINING AND MILLING: CHURCHROCK OPERATIONS
GROUNDWATER MONITORING PROGRAM: ZONE 3 MONITOR WELLS

WELL ID:	420	420	420	420
LABORATORY ID:	99-33594-005	30151-1	32500-2	00-34356-2
SAMPLE DATE/TIME:	10-05-99 @ 09:00	01-04-00 @ 10:05	05-01-00	07/10/00 11:20
DATE RECEIVED:				7/14/00
REPORT DATE:	November 12, 1999	February 22, 2000	May 28, 2000	August 21, 2000
QUARTER REPRESENTED:	Fourth '99	First 2000	Second 2000	Third 2000
UNC SUBMITTAL #:	TE-7-10-99	TE-1-1-2000	TE-3-5-2000	TE-6-7-2000

Major Ions	Method	Units	Reporting Limit	Results	Results	Results	Results
Calcium	EPA 200.7	mg/L	0.05	731	676	616	664
Magnesium	EPA 200.7	mg/L	0.01	130	157	139	151
Sodium	EPA 200.7	mg/L	0.05	146	126	127	141
Potassium	EPA 200.7	mg/L	0.10	6.1	7.0	6.5	5.86
Bicarbonate	SM 2320-B	mg/L	0.10	392	414	452	456
Sulfate	EPA 200.7	mg/L	1.0	2100	1870	1840	1740
Chloride	EPA 200.7	mg/L	1.0	38.9	34.6	33.5	35.0
Ammonium as N	SM 4500-NH_3-G	mg/L	0.05	0.07	< 0.05	0.19	< 0.05
Nitrate + Nitrite as N	EPA 353.2	mg/L	0.10	47.7	50.7	31.3	33.2
Non-Metals							
Total Dissolved Solids	SM 2540-C	mg/L	1.0	3630	3550	3500	3500
pH	SM 4500-H-B	std. units	0.10	7.63	7.97	7.69	7.47
Trace Metals							
Aluminum	EPA 200.7	mg/L	0.10	< 0.10	< 0.10	0.20	< 0.10
Arsenic III	SM 3114C	mg/L	0.001	< 0.001	< 0.001	0.008	< 0.001
Beryllium	EPA 200.7	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01
Cadmium	EPA 200.8	mg/L	0.005	< 0.005	< 0.005	0.051	< 0.005
Cobalt	EPA 200.7	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01
Iron	EPA 200.7	mg/L	0.05				0.70
Lead	EPA 200.7	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05
Manganese	EPA 200.7	mg/L	0.01	2.23	2.01	2.14	2.03
Molybdenum	EPA 200.7	mg/L	0.10	0.34	0.36	0.20	0.21
Nickel	EPA 200.7	mg/L	0.05	< 0.05	< 0.05	0.08	< 0.05
Selenium IV	SM 3114C	mg/L	0.001	< 0.001	0.001	< 0.001	< 0.001
Vanadium	EPA 200.7	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Radiometrics							
Uranium	EPA 200.8	mg/L	0.0003	0.0540	0.0511	0.0500	0.0436
Radium 226	EPA 903.0	pCi/L	0.2	2.4	2.4	3.2	2.8
Radium Error Estimate ±				0.3	0.4	0.3	0.3
Radium 228	EPA 904.0	pCi/L	1.0	4.4	< 1.0	4.8	4.2
Radium Error Estimate ±				0.2		0.5	0.2
Thorium 230	EPA 907.0	pCi/L	0.2	< 0.2	< 0.2	1.0	< 0.2
Thorium Error Estimate ±						0.5	
Lead 210	NERHL-65-4	pCi/L	1.0	< 1.0	< 1.0	6.8	< 1.0
Lead Error Estimate ±						2.0	
Gross Alpha	EPA 900.0	pCi/L	1.0	1.9	3.1	3.3	2.8
G. Alpha Error Estimate ±				0.6	1.0	1.0	1.5
Trace Organics							
Chloroform	EPA 601	µg/L	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Quality Assurance Data			**Target Range**				
Anion		meq		54.7	50.3	48.9	47.1
Cation		meq		54.0	52.7	48.2	52.2
SM A/C Balance		%	-5 - +5	-0.60	2.25	-0.74	5.14
Calc TDS		mg/L		3562	3304	3129	3114
TDS A/C Balance		dec. %	0.80 - 1.20	1.02	1.07	1.12	1.12

UNC MINING AND MILLING: CHURCHROCK OPERATIONS
GROUNDWATER MONITORING PROGRAM: ZONE 1 MONITOR WELLS

WELL ID:	613
LABORATORY ID:	32496-4
SAMPLE DATE:	05-02-00
REPORT DATE:	June 04, 2000
QUARTER REPRESENTED:	Second 2000
UNC SUBMITTAL #:	TE-3-5-2000

Major Ions	Method	Units	Reporting Limit	Results
Calcium	EPA 200.7	mg/L	0.05	415
Magnesium	EPA 200.7	mg/L	0.01	646
Sodium	EPA 200.7	mg/L	0.05	323
Potassium	EPA 200.7	mg/L	0.10	2.0
Bicarbonate	SM 2320 B.	mg/L	0.10	< 0.1
Sulfate	EPA 200.7	mg/L	1.0	9150
Chloride	EPA 200.7	mg/L	1.0	177
Ammonium as N	SM 4500-NH_3 G.	mg/L	0.05	474
Nitrate + Nitrite as N	EPA 353.2	mg/L	0.10	22.8

Non-Metals				
Total Dissolved Solids @ 180°C	SM 2540 C. Mod.	mg/L	1.0	13900
pH	SM 4500-H B.	std. units	0.10	3.11

Trace Metals				
Aluminum	EPA 200.8	mg/L	0.10	666
Arsenic III	SM 3114C	mg/L	0.001	< 0.001
Beryllium	EPA 200.8	mg/L	0.01	0.21
Cadmium	EPA 200.8	mg/L	0.005	0.714
Cobalt	EPA 200.8	mg/L	0.01	1.80
Lead	EPA 200.8	mg/L	0.05	< 0.05
Manganese	EPA 200.8	mg/L	0.01	62.6
Molybdenum	EPA 200.8	mg/L	0.10	< 0.10
Nickel	EPA 200.8	mg/L	0.05	1.69
Selenium IV	SM 3114C	mg/L	0.001	< 0.001
Vanadium	EPA 200.8	mg/L	0.10	6.0

Radiometrics				
Uranium	EPA 200.8	mg/L	0.0003	1.93
Radium 226	EPA 903.0	pCi/L	0.2	10
Radium Error Estimate ±				1.1
Radium 228	EPA 904.0	pCi/L	1.0	3.0
Radium Error Estimate ±				0.1
Thorium 230	EPA 907.0	pCi/L	0.2	339
Thorium Errror Estimate ±				9.1
Lead 210	NERHL-65-4	pCi/L	1.0	< 1.0
Lead Error Estimate ±				
Gross Alpha	EPA 900.1	pCi/L	1.0	19.7
G. Alpha Error Estimate ±				1.2

Trace Organics				
Chloroform	EPA 601	µg/L	1.0	91.2

Quality Assurance Data		Target Range	
Anion	meq		197.2
Cation	meq		200.0
SM A/C Balance	%	-5 - +5	0.68
Calc TDS	mg/L		11488
TDS A/C Balance	dec. %	0.80-1.20	1.21

UNC MINING AND MILLING: CHURCHROCK OPERATIONS
GROUNDWATER MONITORING PROGRAM: ZONE 1 MONITOR WELLS

WELL ID:	**613**
LABORATORY ID:	**00-34353-13**
SAMPLE DATE/TIME:	**07/11/00 14:50**
DATE RECEIVED:	**7/14/00**
REPORT DATE:	**August 21, 2000**
QUARTER REPRESENTED:	**Third 2000**
UNC SUBMITTAL #:	**TE-6-7-2000**

Major Ions	Method	Units	Reporting Limit	Results
Calcium	EPA 200.7	mg/L	0.05	426
Magnesium	EPA 200.7	mg/L	0.01	656
Sodium	EPA 200.7	mg/L	0.05	328
Potassium	EPA 200.7	mg/L	0.10	< 0.10
Bicarbonate	SM 2320-B	mg/L	0.10	< 0.10
Sulfate	EPA 200.7	mg/L	1.0	8770
Chloride	EPA 200.7	mg/L	1.0	166
Ammonium as N	SM 4500-NH_3-G	mg/L	0.05	445
Nitrate + Nitrite as N	EPA 353.2	mg/L	0.10	16.8
Non-Metals				
Total Dissolved Solids	SM 2540-C	mg/L	1.0	13700
pH	SM 4500-H-B	std. units	0.10	3.16
Trace Metals				
Aluminum	EPA 200.8	mg/L	0.10	662
Arsenic III	SM 3114C	mg/L	0.001	< 0.001
Beryllium	EPA 200.7	mg/L	0.01	0.22
Cadmium	EPA 200.8	mg/L	0.005	0.028
Cobalt	EPA 200.7	mg/L	0.01	1.64
Iron	EPA 200.7	mg/L	0.05	116
Lead	EPA 200.7	mg/L	0.05	0.23
Manganese	EPA 200.7	mg/L	0.01	63.3
Molybdenum	EPA 200.7	mg/L	0.10	< 0.10
Nickel	EPA 200.7	mg/L	0.05	1.88
Selenium IV	SM 3114C	mg/L	0.001	< 0.001
Vanadium	EPA 200.7	mg/L	0.10	5.80
Radiometrics				
Uranium	EPA 200.8	mg/L	0.0003	1.98
Radium 226	EPA 903.0	pCi/L	0.2	11.9
Radium Error Estimate ±				0.8
Radium 228	EPA 904.0	pCi/L	1.0	< 1.0
Radium Error Estimate ±				
Thorium 230	EPA 907.0	pCi/L	0.2	317
Thorium Error Estimate ±				9.5
Lead 210	NERHL-65-4	pCi/L	1.0	< 1.0
Lead Error Estimate ±				
Gross Alpha	EPA 900.0	pCi/L	1.0	46.6
G. Alpha Error Estimate ±				4.3
Trace Organics				
Chloroform	EPA 601	µg/L	1.0	68.6

Quality Assurance Data		Target Range	
Anion	meq		189
Cation	meq		205
SM A/C Balance	%	-5 - +5	4.24
Calc TDS	mg/L		11835
TDS A/C Balance	dec. %	0.80 - 1.20	1.16

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UNC MINING AND MILLING: CHURCHROCK OPERATIONS
GROUNDWATER MONITORING PROGRAM: ZONE 1 MONITOR WELLS

WELL ID:	711
LABORATORY ID:	32496-1
SAMPLE DATE:	05-01-00
REPORT DATE:	June 04, 2000
QUARTER REPRESENTED:	Second 2000
UNC SUBMITTAL #:	TE-3-5-2000

Major Ions	Method	Units	Reporting Limit	Results
Calcium	EPA 200.7	mg/L	0.05	489
Magnesium	EPA 200.7	mg/L	0.01	522
Sodium	EPA 200.7	mg/L	0.05	100
Potassium	EPA 200.7	mg/L	0.10	11.1
Bicarbonate	SM 2320 B.	mg/L	0.10	10
Sulfate	EPA 200.7	mg/L	1.0	3380
Chloride	EPA 200.7	mg/L	1.0	14.2
Ammonium as N	SM 4500-NH_3 G.	mg/L	0.05	0.57
Nitrate + Nitrite as N	EPA 353.2	mg/L	0.10	< 0.10

Non-Metals				
Total Dissolved Solids @ 180°C	SM 2540 C. Mod.	mg/L	1.0	5410
pH	SM 4500-H B.	std. units	0.10	5.61

Trace Metals				
Aluminum	EPA 200.8	mg/L	0.10	1.40
Arsenic III	SM 3114C	mg/L	0.001	0.039
Beryllium	EPA 200.8	mg/L	0.01	< 0.01
Cadmium	EPA 200.8	mg/L	0.005	0.020
Cobalt	EPA 200.8	mg/L	0.01	0.41
Lead	EPA 200.8	mg/L	0.05	< 0.05
Manganese	EPA 200.8	mg/L	0.01	8.42
Molybdenum	EPA 200.8	mg/L	0.10	0.15
Nickel	EPA 200.8	mg/L	0.05	0.38
Selenium IV	SM 3114C	mg/L	0.001	< 0.001
Vanadium	EPA 200.8	mg/L	0.10	< 0.10

Radiometrics				
Uranium	EPA 200.8	mg/L	0.0003	0.0645
Radium 226	EPA 903.0	pCi/L	0.2	13.7
Radium Error Estimate ±				1.2
Radium 228	EPA 904.0	pCi/L	1.0	12.9
Radium Error Estimate ±				1.2
Thorium 230	EPA 907.0	pCi/L	0.2	< 0.2
Thorium Errror Estimate ±				
Lead 210	NERHL-65-4	pCi/L	1.0	< 1.0
Lead Error Estimate ±				
Gross Alpha	EPA 900.1	pCi/L	1.0	15.9
G. Alpha Error Estimate ±				1.1

Trace Organics				
Chloroform	EPA 601	µg/L	1.0	< 1.0

Quality Assurance Data		Target Range	
Anion	meq		71.0
Cation	meq		73.2
SM A/C Balance	%	-5 - +5	1.56
Calc TDS	mg/L		4531
TDS A/C Balance	dec. %	0.80-1.20	1.19

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UNC MINING AND MILLING: CHURCHROCK OPERATIONS
GROUNDWATER MONITORING PROGRAM: ZONE 1 MONITOR WELLS

WELL ID:	711
LABORATORY ID:	00-34353-3
SAMPLE DATE/TIME:	07/10/00 13:10
DATE RECEIVED:	7/14/00
REPORT DATE:	August 21, 2000
QUARTER REPRESENTED:	Third 2000
UNC SUBMITTAL #:	TE-6-7-2000

Major Ions	Method	Units	Reporting Limit	Results
Calcium	EPA 200.7	mg/L	0.05	518
Magnesium	EPA 200.7	mg/L	0.01	542
Sodium	EPA 200.7	mg/L	0.05	101
Potassium	EPA 200.7	mg/L	0.10	10.9
Bicarbonate	SM 2320-B	mg/L	0.10	< 0.10
Sulfate	EPA 200.7	mg/L	1.0	3490
Chloride	EPA 200.7	mg/L	1.0	20.0
Ammonium as N	SM 4500-NH_3-G	mg/L	0.05	0.58
Nitrate + Nitrite as N	EPA 353.2	mg/L	0.10	< 0.10
Non-Metals				
Total Dissolved Solids	SM 2540-C	mg/L	1.0	5400
pH	SM 4500-H-B	std. units	0.10	3.98
Trace Metals				
Aluminum	EPA 200.7	mg/L	0.10	1.51
Arsenic III	SM 3114C	mg/L	0.001	0.032
Beryllium	EPA 200.7	mg/L	0.01	< 0.01
Cadmium	EPA 200.8	mg/L	0.005	< 0.005
Cobalt	EPA 200.7	mg/L	0.01	0.42
Iron	EPA 200.7	mg/L	0.05	119
Lead	EPA 200.7	mg/L	0.05	< 0.05
Manganese	EPA 200.7	mg/L	0.01	8.39
Molybdenum	EPA 200.7	mg/L	0.10	0.11
Nickel	EPA 200.7	mg/L	0.05	0.35
Selenium IV	SM 3114C	mg/L	0.001	< 0.001
Vanadium	EPA 200.7	mg/L	0.10	< 0.10
Radiometrics				
Uranium	EPA 200.8	mg/L	0.0003	0.0613
Radium 226	EPA 903.0	pCi/L	0.2	9.6
Radium Error Estimate ±				0.5
Radium 228	EPA 904.0	pCi/L	1.0	18.6
Radium Error Estimate ±				0.2
Thorium 230	EPA 907.0	pCi/L	0.2	< 0.2
Thorium Error Estimate ±				
Lead 210	NERHL-65-4	pCi/L	1.0	< 1.0
Lead Error Estimate ±				
Gross Alpha	EPA 900.0	pCi/L	1.0	14.2
G. Alpha Error Estimate ±				1.3
Trace Organics				
Chloroform	EPA 601	µg/L	1.0	< 1.0

Quality Assurance Data		Target Range	
Anion	meq		73.3
Cation	meq		76.2
SM A/C Balance	%	-5 - +5	1.98
Calc TDS	mg/L		4692
TDS A/C Balance	dec. %	0.80 - 1.20	1.15

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UNC MINING AND MILLING: CHURCHROCK OPERATIONS
GROUNDWATER MONITORING PROGRAM: ZONE 1 MONITOR WELLS

WELL ID:	711-Duplicate
LABORATORY ID:	32496-2
SAMPLE DATE:	05-01-00
REPORT DATE:	June 04, 2000
QUARTER REPRESENTED:	Second 2000
UNC SUBMITTAL #:	TE-3-5-2000

Major Ions	Method	Units	Reporting Limit	Results
Calcium	EPA 200.7	mg/L	0.05	458
Magnesium	EPA 200.7	mg/L	0.01	494
Sodium	EPA 200.7	mg/L	0.05	96.7
Potassium	EPA 200.7	mg/L	0.10	10.7
Bicarbonate	SM 2320 B.	mg/L	0.10	9
Sulfate	EPA 200.7	mg/L	1.0	3220
Chloride	EPA 200.7	mg/L	1.0	15.4
Ammonium as N	SM 4500-NH_3 G.	mg/L	0.05	0.56
Nitrate + Nitrite as N	EPA 353.2	mg/L	0.10	< 0.10

Non-Metals				
Total Dissolved Solids @ 180°C	SM 2540 C. Mod.	mg/L	1.0	5480
pH	SM 4500-H B.	std. units	0.10	5.66

Trace Metals				
Aluminum	EPA 200.8	mg/L	0.10	1.50
Arsenic III	SM 3114C	mg/L	0.001	0.039
Beryllium	EPA 200.8	mg/L	0.01	< 0.01
Cadmium	EPA 200.8	mg/L	0.005	0.016
Cobalt	EPA 200.8	mg/L	0.01	0.42
Lead	EPA 200.8	mg/L	0.05	< 0.05
Manganese	EPA 200.8	mg/L	0.01	8.43
Molybdenum	EPA 200.8	mg/L	0.10	0.16
Nickel	EPA 200.8	mg/L	0.05	0.40
Selenium IV	SM 3114C	mg/L	0.001	< 0.001
Vanadium	EPA 200.8	mg/L	0.10	< 0.10

Radiometrics				
Uranium	EPA 200.8	mg/L	0.0003	0.0655
Radium 226	EPA 903.0	pCi/L	0.2	12.6
Radium Error Estimate ±				1.2
Radium 228	EPA 904.0	pCi/L	1.0	14.8
Radium Error Estimate ±				1.3
Thorium 230	EPA 907.0	pCi/L	0.2	< 0.2
Thorium Errror Estimate ±				
Lead 210	NERHL-65-4	pCi/L	1.0	< 1.0
Lead Error Estimate ±				
Gross Alpha	EPA 900.1	pCi/L	1.0	14.4
G. Alpha Error Estimate ±				1.0

Trace Organics				
Chloroform	EPA 601	µg/L	1.0	< 1.0

Quality Assurance Data		Target Range	
Anion	meq		67.7
Cation	meq		69.2
SM A/C Balance	%	-5 - +5	1.13
Calc TDS	mg/L		4309
TDS A/C Balance	dec. %	0.80-1.20	1.27

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UNC MINING AND MILLING: CHURCHROCK OPERATIONS
GROUNDWATER MONITORING PROGRAM: ZONE 1 MONITOR WELLS

WELL ID:	711 (DUP)
LABORATORY ID:	00-34353-4
SAMPLE DATE/TIME:	07/10/00 13:55
DATE RECEIVED:	7/14/00
REPORT DATE:	August 21, 2000
QUARTER REPRESENTED:	Third 2000
UNC SUBMITTAL #:	TE-6-7-2000

Major Ions	Method	Units	Reporting Limit	Results
Calcium	EPA 200.7	mg/L	0.05	513
Magnesium	EPA 200.7	mg/L	0.01	537
Sodium	EPA 200.7	mg/L	0.05	101
Potassium	EPA 200.7	mg/L	0.10	10.9
Bicarbonate	SM 2320-B	mg/L	0.10	9.00
Sulfate	EPA 200.7	mg/L	1.0	3510
Chloride	EPA 200.7	mg/L	1.0	19.8
Ammonium as N	SM 4500-NH_3-G	mg/L	0.05	0.59
Nitrate + Nitrite as N	EPA 353.2	mg/L	0.10	< 0.10

Non-Metals				
Total Dissolved Solids	SM 2540-C	mg/L	1.0	5440
pH	SM 4500-H-B	std. units	0.10	5.31

Trace Metals				
Aluminum	EPA 200.7	mg/L	0.10	1.47
Arsenic III	SM 3114C	mg/L	0.001	0.032
Beryllium	EPA 200.7	mg/L	0.01	< 0.01
Cadmium	EPA 200.8	mg/L	0.005	< 0.005
Cobalt	EPA 200.7	mg/L	0.01	0.43
Iron	EPA 200.7	mg/L	0.05	128.3
Lead	EPA 200.7	mg/L	0.05	< 0.05
Manganese	EPA 200.7	mg/L	0.01	8.29
Molybdenum	EPA 200.7	mg/L	0.10	0.11
Nickel	EPA 200.7	mg/L	0.05	0.35
Selenium IV	SM 3114C	mg/L	0.001	< 0.001
Vanadium	EPA 200.7	mg/L	0.10	< 0.10

Radiometrics				
Uranium	EPA 200.8	mg/L	0.0003	0.0595
Radium 226	EPA 903.0	pCi/L	0.2	9.8
Radium Error Estimate ±				0.5
Radium 228	EPA 904.0	pCi/L	1.0	16.3
Radium Error Estimate ±				0.2
Thorium 230	EPA 907.0	pCi/L	0.2	< 0.2
Thorium Error Estimate ±				
Lead 210	NERHL-65-4	pCi/L	1.0	< 1.0
Lead Error Estimate ±				
Gross Alpha	EPA 900.0	pCi/L	1.0	14.5
G. Alpha Error Estimate ±				1.3

Trace Organics				
Chloroform	EPA 601	µg/L	1.0	< 1.0

Quality Assurance Data		Target Range	
Anion	meq		73.8
Cation	meq		75.6
SM A/C Balance	%	-5 - +5	1.16
Calc TDS	mg/L		4706
TDS A/C Balance	dec. %	0.80 - 1.20	1.16

APPENDIX D

ZONE 1 MONITORING DATA

APPENDIX D

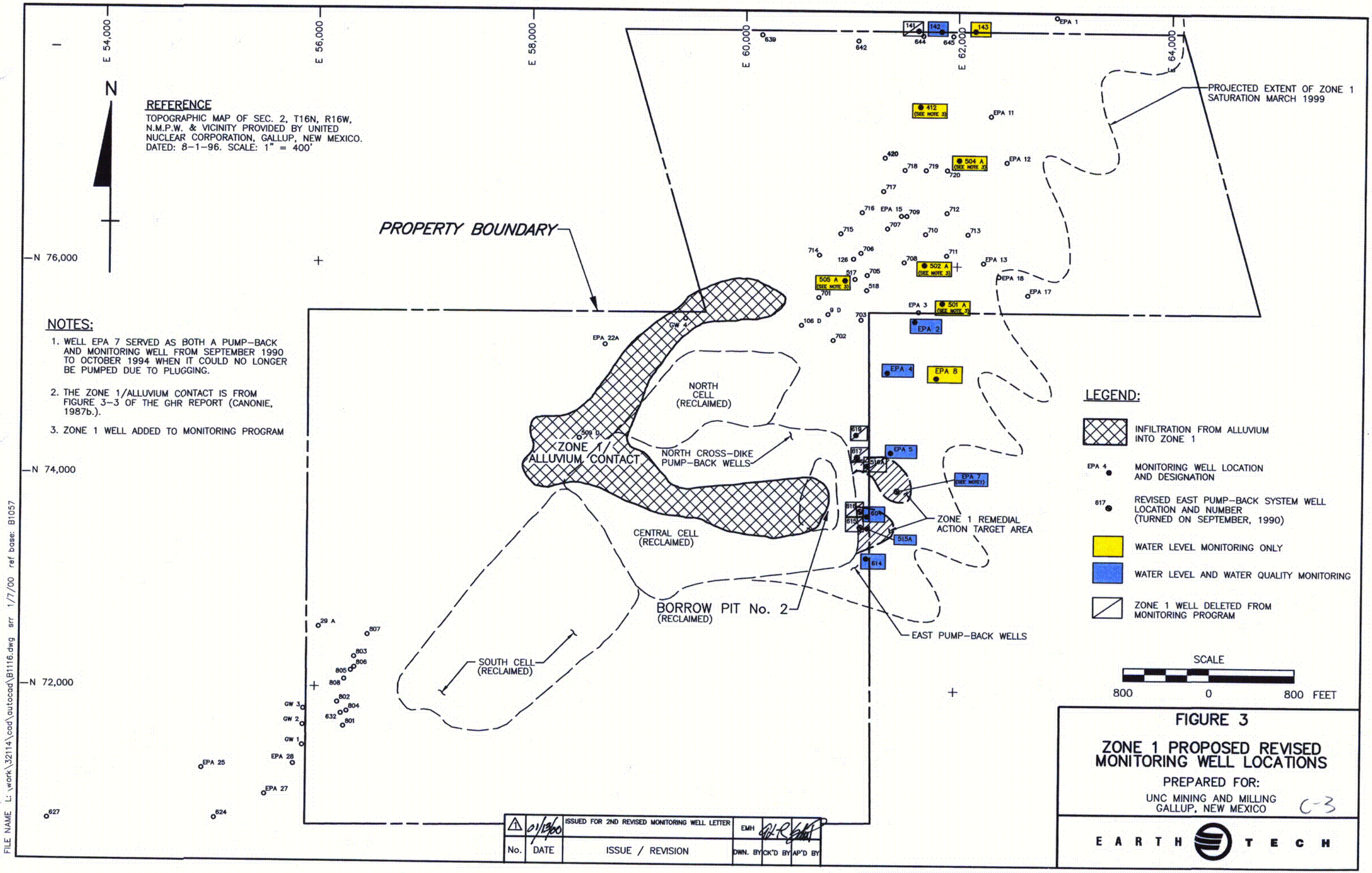
ZONE 1 MONITORING DATA

Remedial action in Zone 1 consisted of dewatering Borrow Pit No. 2, which was the source of tailings seepage into Zone 1, plus continued operation of the East and North Cross-Dike Pump-Back Wells. Dewatering of Borrow Pit No. 2 was completed in April 1989. The pump-back wells were operated until September 1990 when they were replaced by the Revised East System consisting of Wells 615, 616, 617, and EPA 7. The Revised East System operated from 1990 through July 1999 when it was decommissioned with approval from NRC and EPA.

Remedial action has been monitored by measurement of ground water levels and ground water sampling and analyses at 13 Zone 1 monitoring wells (Wells 515A, 516A, 604, 614, 619, EPA 2, EPA 4, EPA 5, EPA 7, EPA 8, 141, 142, and 143). This program was modified beginning in the second quarter of 2000 when the revised monitoring program was implemented. Changes to the wells included in the monitoring program for the Southwest Alluvium are shown in Table 4 of this report. See the enclosed figure for the current layout of the wells.

Table D.1 presents the quarterly water level and water quality data for the monitoring wells from the second quarter 1989, when the borrow pit was dewatered, through the third quarter 2000. Monitoring Well EPA 7 was used as an extraction well from September 1990 until October 1994; consequently, water level data for this well are available only for the time prior to its conversion to an extraction well, during times when the pump was shut off for maintenance, and after October 1994. Changes to data reported related to implementing the revised monitoring program are also reflected in Table D.1. Table D.2 presents the water level data for the wells added to the program in second quarter 2000 as water level monitoring wells. The 2000 laboratory analytical data for the Zone 1 Monitoring Wells are presented at the end of this appendix.

FIGURE


E 54,000
E 56,000
E 58,000
E 60,000
E 62,000
E 64,000
N 76,000
N 74,000
N 72,000
N
REFERENCE
TOPOGRAPHIC MAP OF SEC. 2, T16N, R16W, N.M.P.W. & VICINITY PROVIDED BY UNITED NUCLEAR CORPORATION, GALLUP, NEW MEXICO. DATED: 8-1-96. SCALE: 1" = 400'
PROPERTY BOUNDARY
PROJECTED EXTENT OF ZONE 1 SATURATION MARCH 1999
NOTES:
1. WELL EPA 7 SERVED AS BOTH A PUMP-BACK AND MONITORING WELL FROM SEPTEMBER 1990 TO OCTOBER 1994 WHEN IT COULD NO LONGER BE PUMPED DUE TO PLUGGING.
2. THE ZONE 1/ALLUVIUM CONTACT IS FROM FIGURE 3-3 OF THE GHR REPORT (CANONIE, 1987b.).
3. ZONE 1 WELL ADDED TO MONITORING PROGRAM
NORTH CELL (RECLAIMED)
ZONE 1/ ALLUVIUM CONTACT
NORTH CROSS-DIKE PUMP-BACK WELLS
CENTRAL CELL (RECLAIMED)
BORROW PIT No. 2 (RECLAIMED)
SOUTH CELL (RECLAIMED)
ZONE 1 REMEDIAL ACTION TARGET AREA
EAST PUMP-BACK WELLS
LEGEND:
INFILTRATION FROM ALLUVIUM INTO ZONE 1
EPA 4 MONITORING WELL LOCATION AND DESIGNATION
617 REVISED EAST PUMP-BACK SYSTEM WELL LOCATION AND NUMBER (TURNED ON SEPTEMBER, 1990)
WATER LEVEL MONITORING ONLY
WATER LEVEL AND WATER QUALITY MONITORING
ZONE 1 WELL DELETED FROM MONITORING PROGRAM
SCALE
800 0 800 FEET
FIGURE 3
ZONE 1 PROPOSED REVISED MONITORING WELL LOCATIONS
PREPARED FOR:
UNC MINING AND MILLING
GALLUP, NEW MEXICO
C-3
EARTH TECH
No. DATE ISSUE / REVISION DWN. BY CK'D BY AP'D BY
1 01/13/00 ISSUED FOR 2ND REVISED MONITORING WELL LETTER EMH
FILE NAME L:\work\32114\cad\autocad\B1116.dwg srr 1/7/00 ref base: B1057

5575 DTC Parkway, Suite 200, Englewood, Colorado 80111-3016

December 29, 2000

40-8907

Mr. Philip Ting, Chief
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Mr. Greg Lyssy
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Dallas, TX 75202-2733

Subject: **License No. SUA-1475, 2000 Ground Water Corrective Action Plan Report**

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Dear Messrs. Ting and Lyssy:

On behalf of United Nuclear Corporation (United Nuclear), Earth Tech, Inc. (Earth Tech) is providing this annual performance review of the ground water corrective action systems installed and operating at United Nuclear's Church Rock Mill and Tailings site near Gallup, New Mexico, pursuant to License Condition 30C. This report is for the 2000 operating year and represents the period from October 1999 through September 2000. Similar to last year, this report presents only the data collected and a summary of operations, including modifications that were made to the operations through the year. This modification in the report format was discussed with and approved by the U.S. Nuclear Regulatory Commission (NRC) and U.S. Environmental Protection Agency (EPA) in September 1998.

The 2000 annual review assesses the performance of the corrective action through 2000 and compares the assessment to the EPA's findings in its *Five-Year Review Report* (1998). The EPA report presents a review of the system's performance through the 1996 operating year. This analysis of the 2000 data supports the conclusions reached by United Nuclear in previous annual reviews (Canonie Environmental Services Corp. [Canonie], 1989b, 1990, 1991, 1992b, 1993b and 1995; Smith Technology Corporation [Smith Technology], 1995 and 1996; Rust Environment and Infrastructure [Rust], 1997; Earth Tech, 1998 and 1999) and confirms the findings contained in EPA's *Five-Year Review Report* (1998).

INTRODUCTION

The corrective (or remedial) action systems for tailings seepage remediation were installed and began operating during the summer and fall of 1989. United Nuclear has submitted an annual review report at the end of each subsequent year. This report is the twelfth in the series and includes water quality analyses and water level elevations

NMSS01 Public

TABLES

TABLE D.1

ZONE 1 DATA SUMMARY
1989 - 2000

Notes:

1. NRC standard as listed in License Condition 30, Part B.
2. EPA standard as listed in Table 2, "Contaminant-Specific Groundwater ARARs" of the ROD (EPA, 1988).
3. NA - Not applicable.
4. "-" (hyphen) indicates that the concentration is less than the laboratory reporting limit. A hyphen for combined Ra-226 and Ra-228 indicates that at least one of these constituents was less than the laboratory reporting limits, which are 0.2 and 1.0 pCi/L, respectively.
5. All values that exceed the NRC and/or EPA standards are shaded.
6. Gross alpha value excludes contribution from radon and uranium.
7. "*" (Asterisk) indicates a Point of Compliance well.
8. Reporting limit for bicarbonate changed from 0.0 mg/L to 0.1 mg/L in fourth quarter 1997.
9. Reporting limit for cadmium changed from 0.01 mg/L to 0.005 mg/L after fourth quarter 1997. The analytical method changed from EPA 200.7 (ICP) to 200.8 (ICP.MS).

Specific Notes:

Well TWQ-143 is monitored for water level only beginning in 2nd quarter 2000 in accordance with the Revised Monitoring Program.
Well EPA 8 is monitored for water level only beginning in 2nd quarter 2000 in accordance with the Revised Monitoring Program.
Well 516 A* was eliminated from the monitoring program as of 2nd quarter 2000 in accordance with the Revised Monitoring Program.
Well 619 was eliminated from the monitoring program as of 2nd quarter 2000 in accordance with the Revised Monitoring Program.
Well TWQ-141 was not sampled in 4th quarter 1999.
Well TWQ-141 was eliminated from the monitoring program as of 2nd quarter 2000 in accordance with the Revised Monitoring Program.
Wells 412, 501 A, 502 A, 504 A, and 505 A added to the monitoring program in 2nd quarter 2000 as water level monitoring wells.

TABLE D.1

ZONE 1 DATA SUMMARY
1989 - 2000

Well No.	Date	Water Elevation (ft AMSL)	Field pH (SU)	Lab pH (SU)	Lab TDS (mg/L)	Ca (mg/L)	Mg (mg/L)	Na (mg/L)	K (mg/L)	HCO_3 (mg/L)	SO_4 (mg/L)	Cl (mg/L)	NH_4 as N (mg/L)	NO_3 as N (mg/L)	Chloro-form (mg/L)	Naphtha-lene (mg/L)	Cyanide (mg/L)
	NRC Standard	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.001	0.001	0.005
	EPA Standard	NA			4,800						2,125	250		190	NA	NA	NA
0141	4/10/89	6,765.20	7.8	7.75	896	18.9	8.4	290	3.2	242	459	17.2	0.45	0.13	-0.00100	-0.001	-0.005
0141	7/22/89	6,765.10	7.9	7.90	938	21.0	8.0	316	3.7	244	540	17.1	0.42	0.06	-0.00100	-0.001	-0.005
0141	10/12/89	6,765.50	7.7	8.00	938	19.1	8.4	306	4.6	257	482	21.0	0.37	0.10	-0.00100	-0.001	-0.005
0141	1/3/90	6,765.20	7.9	7.60	994	23.9	11.0	306	3.4	262	497	24.8	0.72	0.42	-0.00100	-0.001	-0.005
0141	4/3/90	6,765.20	7.9	7.80	1,024	24.0	9.8	304	3.6	262	458	32.9	0.76	0.44	-0.00100	-0.001	-0.005
0141	7/2/90	6,764.90	7.6	7.72	1,036	25.2	11.0	321	3.9	257	487	37.2	0.10	0.26	-0.00100	-0.001	-0.005
0141	10/2/90	6,764.90	7.6	7.65	1,023	21.5	10.1	305	3.7	243	509	42.0	0.21	0.29	-0.00100	-0.001	-0.005
0141	1/16/91	6,764.90	7.5	7.89	1,051	25.6	11.9	337	5.8	248	534	65.7	0.30	0.35	-0.00100	-0.001	-0.005
0141	4/3/91	6,764.90	7.7	8.10	1,070	23.3	10.6	311	3.1	254	530	41.0	0.32	0.18	-0.00100	-0.001	-0.005
0141	7/16/91	6,764.60	7.6	7.54	1,059	23.1	10.1	305	3.4	248	550	43.5	0.40	0.17	-0.00100	-0.001	-0.005
0141	10/14/91	6,766.70	7.5	7.99	1,133	22.7	11.3	325	3.2	195	539	105.0	0.61	0.26	-0.00100	-0.001	-0.005
0141	1/14/92	6,770.80	7.4	7.62	1,042	25.7	13.1	321	3.5	249	525	88.2	1.87	-0.01	-0.00100	-0.001	-0.005
0141	4/7/92	6,772.10	7.4	7.46	1,123	25.8	13.9	379	3.8	326	511	116.0	0.46	-0.10	-0.00100	-0.001	-0.005
0141	7/7/92	6,772.80	7.5	7.80	1,175	26.3	13.6	414	4.7	239	506	118.0	0.68	-0.10	-0.00100	-0.001	-0.005
0141	10/6/92	6,774.20	7.6	7.61	1,141	31.8	13.6	360	3.4	246	525	108.0	0.23	-0.10	-0.00100	-0.001	-0.005
0141	1/5/93	6,775.10	7.7	7.93	1,370	34.1	14.3	420	4.6	248	638	68.9	0.13	-0.10	-0.00100	-0.001	
0141	4/6/93	6,775.90	7.8	8.18	1,100	23.4	10.0	371	2.5	244	495	91.3	0.40	-0.10	-0.00100	-0.001	
0141	7/13/93	6,776.50	7.7	7.12	1,071	23.8	11.1	343	2.9	257	575	79.1	-0.05	-0.10	-0.00100	-0.001	
0141	10/6/93	6,776.80	7.8	7.31	1,105	27.2	12.0	304	2.7	257	541	64.0	0.47	0.16	-0.00100	-0.001	
0141	1/5/94	6,775.70	7.7	7.78	1,101	28.7	12.8	313	2.9	237	550	71.0	0.39	0.73	-0.00100		
0141	4/13/94	6,778.30	7.7	7.76	1,017	35.1	11.7	301	2.4	234	499	49.4	0.18	-0.10	-0.00100		
0141	7/20/94	6,778.70	7.7	7.34	1,010	33.3	10.7	312	2.9	240	548	42.8	0.34	0.13	-0.00100		
0141	10/4/94	6,779.20	7.6	8.02	1,076	25.9	11.5	342	3.4	260	537	43.2	0.15	0.10	-0.00100		
0141	1/4/95	6,779.60	7.5	7.93	995	26.0	11.0	321	3.3	257	493	39.8	0.42	-0.10	0.00100		
0141	4/5/95	6,780.10	7.6	8.15	1,038	25.0	12.6	291	3.1	254	507	28.2	0.62	5.19	-0.00100		
0141	7/6/95	6,780.30	7.6	8.21	1,073	28.5	13.8	306	3.2	256	528	30.4	0.24	-0.10	-0.00100		
0141	10/3/95	6,780.50	7.2	8.30	1,038	22.8	10.0	297	3.0	261	485	25.9	0.46	-0.10	0.00100		
0141	1/3/96	6,781.00	7.2	8.24	1,097	26.6	12.1	319	3.2	255	554	15.4	0.08	0.32	-0.00100		
0141	4/2/96	6,781.30	7.2	8.36	1,008	25.5	11.4	283	3.3	259	526	29.1	0.39	0.16	-0.00100		
0141	7/7/96	6,781.50	8.4	7.75	1,034	26.2	11.1	288	3.0	254	481	23.2	0.36	-0.10	-0.00100		
0141	10/1/96	6,781.60	7.3	8.07	1,010	25.1	11.7	300	3.1	254	498	25.4	0.31	-0.10	0.00100		
0141	1/21/97	6,782.30	6.7	7.93	903	23.9	10.6	303	3.2	256	500	22.5	0.30	-0.10	-0.00100		
0141	4/8/97	6,782.30	7.0	8.25	962	21.5	9.6	293	3.1	256	479	22.4	0.26	0.14	0.00100		
0141	7/8/97	6,782.20	7.9	8.33	977	25.2	11.3	304	3.2	251	516	24.4	1.33	0.13	-0.00100		
0141	10/7/97	6,782.50	7.1	8.13	997	26.2	12.0	277	2.9	256	504	22.8	0.20	0.19	0.00100		
0141	1/15/98	6,782.90	7.8	8.29	1,000	27.0	12.1	292	3.3	259	541	26.3	0.17	0.25	-0.00100		
0141	4/7/98	6,783.20	7.5	8.22	999	21.8	9.9	285	2.9	259	490	20.3	0.19	-0.10	0.00100		
0141	7/7/98	6,783.20	8.0	8.28	976	23.0	10.6	302	3.2	259	469	20.9	0.39	0.10	-0.00100		
0141	10/6/98	6,783.20	7.4	8.17	1,030	28.0	12.4	296	3.7	261	545	22.9	3.48	0.34	-0.00100		
0141	1/5/99	6,783.60	7.8	8.06	1,070	30.5	13.1	273	3.7	253	514	25.2	0.07	-0.10	-0.00100		
0141	4/6/99	6,782.90	7.6	8.13	1,070	31.9	16.3	299	3.4	249	516	25.2	0.23	0.21	-0.00100		
0141	7/13/99	6,783.54	6.8	8.28	968	29.7	14.2	285	7.5	258	507	30.2	0.37	0.10	-0.00100		
0141	10/5/99																

Refer to page 1 for explanatory notes

TABLE D.1

ZONE 1 DATA SUMMARY
1989 - 2000

Well No.	Date	Al (mg/L)	As (mg/L)	Be (mg/L)	Cd (mg/L)	Co (mg/L)	Pb (mg/L)	Mn (mg/L)	Mo (mg/L)	Ni (mg/L)	Se (mg/L)	V (mg/L)	U (mg/L)	Ra-226+ Ra-228 (pCi/L)	Th-230 (pCi/L)	Pb-210 (pCi/L)	Gross Alpha (pCi/L)
	NRC Standard	NA	0.05	0.05	0.01	NA	0.05	NA	NA	0.05	0.01	0.10	0.3	5.0	5.0	1.0	15.0
	EPA Standard	5.0	0.05	0.02	0.01	0.05	0.05	2.60	1.00	0.20	0.01	0.70	5.0	5.0	NA	NA	15.0
0141	4/10/89		0.003	-0.050	-0.010		-0.05	0.07		-0.05	-0.001	-0.10	0.0087	-1.2	-0.2	1.8	2.7
0141	7/22/89	-0.10	0.003	-0.050	-0.010	-0.01	-0.05	0.14	-0.10	-0.05	-0.001	-0.10	0.0069	-3.1	0.6	-1.0	2.0
0141	10/12/89	-0.10	0.003	-0.050	-0.010	-0.01	-0.05	0.05	0.02	-0.05	0.001	-0.10	0.0190	-7.5	-0.2	1.2	7.1
0141	1/3/90	-0.10	0.002	-0.050	-0.010	-0.01	-0.05	0.07	0.02	-0.05	-0.001	-0.10	0.0140	-1.6	-0.2	2.0	1.7
0141	4/3/90	-0.10	0.003	-0.050	-0.010	-0.01	-0.05	0.16	-0.10	-0.05	0.001	-0.10	0.0080	-1.6	1.6	-1.0	2.5
0141	7/2/90	-0.10	0.007	-0.050	-0.010	-0.01	-0.05	0.18	-0.10	-0.05	0.001	-0.10	0.0078	-1.5	-0.2	-1.0	-1.0
0141	10/2/90	-0.10	0.006	-0.050	-0.010	-0.01	-0.05	0.15	-0.10	-0.05	0.001	-0.10	0.0070	-1.5	-0.2	-1.0	-1.0
0141	1/16/91	-0.10	0.002	-0.010	-0.010	0.01	-0.05	0.14	-0.10	-0.05	-0.001	-0.10	0.0065	-1.2	-0.2	-1.0	-1.0
0141	4/3/91	-0.10	0.003	-0.010	-0.010	-0.01	-0.05	0.12	-0.10	-0.05	-0.001	-0.10	0.0050	-1.4	-0.2	-1.0	-1.0
0141	7/16/91	-0.10	0.003	-0.010	-0.010	-0.01	-0.05	0.19	-0.10	-0.05	-0.001	-0.10	0.0020	-1.2	-0.2	2.0	-1.0
0141	10/14/91	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	0.16	-0.10	-0.05	0.001	-0.10	0.0220	-1.8	-0.2	-1.0	-1.0
0141	1/14/92	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	0.13	-0.10	-0.05	0.002	-0.10	0.0050	12.1	-0.2	-1.0	9.0
0141	4/7/92	-0.10	0.002	-0.010	-0.010	-0.01	-0.05	0.15	-0.10	-0.05	-0.001	-0.10	0.0020	-1.2	-0.2	-1.0	-1.0
0141	7/7/92	-0.10	0.002	-0.010	-0.010	-0.01	-0.05	0.12	-0.10	-0.05	0.001	-0.10	0.0050	3.8	-0.2	-1.0	2.5
0141	10/6/92	-0.10	0.002	-0.010	-0.010	-0.01	-0.05	0.20	-0.10	-0.05	0.001	-0.10	0.0100	-1.2	-0.2	-1.0	-1.0
0141	1/5/93	-0.10	0.001	-0.010	-0.010	-0.01	-0.05	0.41	-0.10	-0.05	0.007	-0.10	0.0110	-0.6	-0.2	-1.0	-1.0
0141	4/6/93	-0.10	0.002	-0.010	-0.010	-0.01	-0.05	0.19	-0.10	-0.05	-0.001	-0.10	0.0010	-0.7	-0.2	-1.0	-1.0
0141	7/13/93	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	0.16	-0.10	-0.05	-0.001	-0.10	0.0050	2.3	-0.2	1.0	-1.0
0141	10/6/93	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	0.22	-0.10	-0.05	-0.001	-0.10	0.0060	-0.4	-0.2	-1.0	-1.0
0141	1/5/94	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	0.19	-0.10	-0.05	-0.001	-0.10	0.0050	-1.4	0.2	6.2	-1.0
0141	4/13/94	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	0.15	-0.10	-0.05	-0.001	-0.10	0.0080	-1.5	-0.2	1.7	-1.0
0141	7/20/94	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	0.20	-0.10	-0.05	0.001	-0.10	0.0040	-2.5	-0.2	-1.0	1.7
0141	10/4/94	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	0.26	-0.10	-0.05	-0.001	-0.10	0.0030	-1.5	-0.2	-1.0	1.0
0141	1/4/95	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	0.29	-0.10	-0.05	-0.001	-0.10	0.0160	-1.7	-0.2	-1.0	-1.0
0141	4/5/95	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	0.15	-0.10	-0.05	-0.001	-0.10	0.0040	-1.4	0.2	-1.0	-1.0
0141	7/6/95	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	0.30	-0.10	-0.05	0.001	-0.10	0.0033	-2.0	-0.2	-1.0	-1.0
0141	10/3/95	-0.10	0.004	-0.010	-0.010	-0.01	-0.05	0.14	-0.10	-0.05	-0.001	-0.10	0.0034	-1.2	-0.2	-1.0	-1.0
0141	1/3/96	-0.10	0.002	-0.010	-0.010	-0.01	-0.05	-0.01	-0.10	-0.05	-0.001	-0.10	0.0006	1.7	0.6	-1.0	1.1
0141	4/2/96	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	0.10	-0.10	-0.05	-0.001	-0.10	0.0016	-1.2	-0.2	-1.0	-1.0
0141	7/7/96	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	0.13	-0.10	-0.05	-0.001	-0.10	0.0039	-1.2	-0.2	-1.0	-1.0
0141	10/1/96	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	0.12	-0.10	-0.05	0.007	-0.10	-0.0003	-1.2	-0.2	-1.0	-1.0
0141	1/21/97	-0.10	0.002	-0.010	-0.010	-0.01	-0.05	0.10	-0.10	-0.05	-0.001	-0.10	0.0020	-1.2	0.2	-1.0	-1.0
0141	4/8/97	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	0.08	-0.10	-0.05	-0.001	-0.10	0.0006	1.2	-0.2	-1.0	-1.0
0141	7/8/97	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	0.12	-0.10	-0.05	-0.001	-0.10	0.0020	-1.2	0.2	28.0	-1.0
0141	10/7/97	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	0.13	-0.10	-0.05	0.001	-0.10	0.0050	1.2	-0.2	-1.0	-1.0
0141	1/15/98	-0.10	-0.001	-0.010	-0.005	-0.01	-0.05	0.07	-0.10	-0.05	-0.001	-0.10	0.0031	-1.2	0.2	-1.0	2.8
0141	4/7/98	-0.10	-0.001	-0.010	-0.005	-0.01	-0.05	0.10	-0.10	-0.05	-0.001	-0.10	0.0029	1.2	-0.2	-1.0	-1.0
0141	7/7/98	-0.10	-0.001	-0.010	-0.005	-0.01	-0.05	0.09	-0.10	0.05	-0.001	-0.10	0.0027	-1.2	0.2	-1.0	-1.0
0141	10/6/98	-0.10	0.009	-0.010	-0.005	-0.01	-0.05	0.37	-0.10	-0.05	-0.001	-0.10	0.3340	-2.5	-0.2	-1.0	1.0
0141	1/5/99	-0.10	0.007	-0.010	-0.005	-0.01	-0.05	0.43	0.14	-0.05	-0.001	-0.10	0.0140	-2.5	0.2	1.0	-1.0
0141	4/6/99	-0.10	0.002	-0.010	-0.005	-0.01	-0.05	0.24	-0.10	-0.05	0.001	-0.10	0.0059	-1.0	-0.2	-1.0	-1.0
0141	7/13/99	-0.10	0.004	-0.010	-0.005	-0.01	-0.05	0.27	-0.10	-0.05	0.001	-0.10	0.0541	-2.1	0.2	-1.0	1.0
0141	10/5/99																

Refer to page 1 for explanatory notes

TABLE D.1

ZONE 1 DATA SUMMARY
1989 - 2000

Well No.	Date	Water Elevation (ft AMSL)	Field pH (SU)	Lab pH (SU)	Lab TDS (mg/L)	Ca (mg/L)	Mg (mg/L)	Na (mg/L)	K (mg/L)	HCO_3 (mg/L)	SO_4 (mg/L)	Cl (mg/L)	NH_4 as N (mg/L)	NO_3 as N (mg/L)	Chloro-form (mg/L)	Naphtha-lene (mg/L)	Cyanide (mg/L)
	NRC Standard	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.001	0.001	0.005
	EPA Standard	NA	NA	NA	4,800	NA	NA	NA	NA	NA	2,125	250	NA	190	NA	NA	NA
0141	2/22/00	6,930.50	7.0	8.38	2,280	19.7	6.4	665	7.0	228	1,150	176.0	-0.05	0.28	-0.00100		
0141	5/28/00																
0141	8/21/00																
0142	4/10/89	6,759.80	7.5	7.56	1,064	40.3	17.7	294	4.0	262	567	16.7	0.44	0.26	-0.00100	-0.001	-0.005
0142	7/22/89	6,759.60	7.8	7.80	1,129	37.0	17.0	332	4.4	244	599	17.7	0.45	0.19	-0.00100	-0.001	-0.005
0142	10/12/89	6,759.80	7.7	7.87	1,096	27.9	13.4	333	5.1	247	580	19.2	0.20	0.38	-0.00100	-0.001	-0.005
0142	1/3/90	6,759.80	7.6	7.72	1,130	30.6	13.9	332	3.9	245	579	20.6	0.34	0.40	-0.00100	-0.001	-0.005
0142	4/3/90	6,759.60	7.8	7.92	1,265	47.4	23.1	318	4.4	281	648	18.5	0.71	0.34	-0.00100	-0.001	-0.005
0142	7/2/90	6,759.40	7.6	8.00	1,106	32.2	13.6	317	4.0	253	564	18.1	0.17	0.31	-0.00100	-0.001	-0.005
0142	10/2/90	6,759.60	7.7	7.85	1,116	22.8	11.0	310	3.4	234	590	18.8	0.09	0.33	-0.00100	-0.001	-0.005
0142	1/3/91	6,759.50	7.7	7.10	1,113	29.0	14.3	318	11.9	244	607	18.0	0.36	0.33	-0.00100	-0.001	-0.005
0142	4/9/91	6,759.80	7.7	8.22	1,015	31.1	13.7	308	3.9	250	588	17.4	0.21	0.25	-0.00100	-0.001	-0.005
0142	7/16/91	6,759.60	7.7	7.88	1,085	35.2	16.8	286	3.7	271	643	17.2	0.34	0.21	-0.00100	-0.001	-0.005
0142	10/14/91	6,761.00	7.6	8.07	1,110	31.6	14.8	297	3.4	271	590	15.3	0.30	0.14	-0.00100	-0.001	-0.005
0142	1/14/92	6,764.10	7.4	7.85	1,071	27.6	13.8	296	3.3	259	595	16.4	0.95	0.37	-0.00100	-0.001	-0.005
0142	4/7/92	6,865.70	7.5	8.19	1,023	28.8	15.6	335	4.5	256	579	17.0	0.25	-0.10	-0.00100	-0.001	-0.005
0142	7/7/92		7.6	8.17	1,101	35.5	19.0	355	4.8	263	588	16.0	0.99	-0.10	-0.00100	-0.001	-0.005
0142	10/6/92	6,767.90	7.8	8.06	1,100	37.0	17.8	332	3.2	260	588	16.8	0.08	-0.10	-0.00100	-0.001	-0.005
0142	1/5/93	6,769.00	7.8	8.14	1,019	27.1	11.9	279	3.9	256	542	17.4	0.31	-0.10	-0.00100	0.001	
0142	4/6/93	6,770.00	7.8	8.08	1,084	31.8	14.8	326	2.6	254	560	16.1	0.31	-0.10	-0.00100	-0.001	
0142	7/13/93	6,770.50	7.8	7.09	1,066	33.5	15.4	293	2.9	264	597	17.2	-0.05	-0.10	-0.00100	-0.001	
0142	10/6/93	6,771.00	7.8	7.60	1,074	32.3	13.9	295	2.6	255	566	15.9	0.13	0.17	-0.00100	0.001	
0142	1/5/94	6,770.70	7.8	8.03	1,056	33.7	15.4	307	2.8	246	563	16.4	0.31	0.10	-0.00100		
0142	4/13/94	6,772.60	7.9	7.84	989	31.0	13.5	287	2.5	234	531	16.5	0.06	0.10	-0.00100		
0142	7/20/94	6,773.00	7.7	8.05	1,088	34.2	14.1	286	2.8	242	538	15.8	0.08	0.45	0.00710		
0142	10/4/94	6,773.80	7.7	8.15	1,032	31.2	14.0	322	3.4	256	589	16.9	0.07	0.32	-0.00100		
0142	1/4/95	6,774.30	7.7	8.01	1,036	29.0	12.2	325	3.3	251	550	17.4	0.14	0.20	-0.00100		
0142	4/5/95	6,774.70	7.8	8.11	1,327	59.0	31.0	319	4.2	277	714	13.4	0.34	0.38	-0.00100		
0142	7/6/95	6,774.80	7.7	8.32	1,230	43.0	20.2	318	3.6	260	625	16.5	0.08	0.10	-0.00100		
0142	10/3/95	6,775.30	7.3	8.30	1,222	45.5	21.9	309	3.7	275	617	15.3	0.12	0.20	-0.00100		
0142	1/3/96	6,775.50	7.8	8.05	1,018	23.2	11.9	302	3.0	253	492	25.3	0.20	0.19	-0.00100		
0142	4/2/96	6,776.10	7.1	8.42	1,074	28.3	12.7	298	3.2	250	593	17.7	0.19	0.25	-0.00100		
0142	7/7/96	6,776.10	7.9	7.72	1,075	26.1	11.4	300	3.1	243	481	23.2	0.26	0.44	-0.00100		
0142	10/1/96	6,776.20	7.5	8.12	1,060	25.2	11.3	318	3.2	245	540	21.3	0.19	0.20	-0.00100		
0142	1/21/97	6,777.10	6.5	7.86	1,020	32.8	15.3	322	3.5	240	567	15.9	0.17	0.15	-0.00100		
0142	4/8/97	6,777.20	6.6	8.28	1,040	26.8	12.0	312	3.3	249	551	16.6	0.15	0.29	-0.00100		
0142	7/8/97	6,777.20	8.1	8.32	1,030	27.0	12.0	322	3.4	240	575	18.6	0.25	0.12	-0.00100		
0142	10/7/97	6,773.00	7.4	8.19	1,070	27.6	12.1	299	3.1	248	572	16.1	0.21	-0.10	0.00100		
0142	1/15/98	6,774.00	7.8	8.32	1,170	39.6	17.9	330	3.8	261	673	20.9	0.35	0.20	-0.00100		
0142	4/7/98	6,773.40	7.8	8.26	1,100	26.0	11.6	314	3.2	245	546	18.0	0.13	0.14	-0.00100		
0142	7/7/98	6,773.70	8.1	8.27	1,070	25.8	11.7	325	3.4	245	533	17.0	0.18	0.22	0.00100		
0142	10/6/98	6,774.20	7.3	8.29	1,170	36.0	17.9	325	4.0	267	640	18.1	2.04	0.31	-0.00100		

Refer to page 1 for explanatory notes

TABLE D.1

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Well No.	Date	Al (mg/L)	As (mg/L)	Be (mg/L)	Cd (mg/L)	Co (mg/L)	Pb (mg/L)	Mn (mg/L)	Mo (mg/L)	Ni (mg/L)	Se (mg/L)	V (mg/L)	U (mg/L)	Ra-226+ Ra-228 (pCi/L)	Th-230 (pCi/L)	Pb-210 (pCi/L)	Gross Alpha (pCi/L)
	NRC Standard	NA	0.05	0.05	0.01	NA	0.05	NA	NA	0.05	0.01	0.10	0.3	5.0	5.0	1.0	15.0
	EPA Standard	5.0	0.05	0.02	0.01	0.05	0.05	2.60	1.00	0.20	0.01	0.70	5.0	5.0	NA	NA	15.0
0141	2/22/00	-0.10	-0.001	-0.010	-0.005	-0.01	-0.05	0.11	-0.10	-0.05	0.001	-0.10	0.0183	-1.2	-0.2	-1.0	-1.0
0141	5/28/00																
0141	8/21/00																
0142	4/10/89		-0.001	-0.050	-0.010		-0.05	0.08		-0.05	-0.001	-0.10	0.0069	-1.7	-0.2	-1.0	4.1
0142	7/22/89	-0.10	0.001	-0.050	-0.010	-0.01	-0.05	0.02	-0.10	-0.05	0.001	-0.10	0.0046	-1.7	-0.2	-1.0	1.1
0142	10/12/89	-0.10	0.001	-0.050	-0.010	-0.01	-0.05	0.02	0.03	-0.05	-0.001	-0.10	0.0050	-1.3	-0.2	3.1	1.1
0142	1/3/90	0.10	0.002	-0.050	-0.010	-0.01	-0.05	0.03	0.02	-0.05	0.001	-0.10	0.0060	2.4	-0.2	2.9	1.9
0142	4/3/90	-0.10	0.001	-0.050	-0.010	-0.01	-0.05	0.12	-0.10	-0.05	0.003	-0.10	0.0080	-2.3	-0.2	-1.0	2.1
0142	7/2/90	0.10	0.001	-0.050	-0.010	-0.01	-0.05	0.04	-0.10	-0.05	-0.001	-0.10	0.0019	-1.5	-0.2	-1.0	-1.0
0142	10/2/90	0.10	0.001	-0.050	-0.010	-0.01	-0.05	0.03	-0.10	-0.05	-0.001	-0.10	0.0030	-1.2	-0.2	-1.0	-1.0
0142	1/3/91	-0.10	0.001	-0.010	0.020	-0.01	-0.05	0.03	-0.10	-0.05	-0.001	-0.10	0.0032	-1.2	-0.2	-1.0	-1.0
0142	4/9/91	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	-0.01	-0.10	-0.05	0.001	-0.10	0.0029	-1.2	-0.2	-1.0	-1.0
0142	7/16/91	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	-0.01	-0.10	-0.05	-0.001	-0.10	0.0030	-2.3	-0.2	1.6	-1.0
0142	10/14/91	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	0.01	-0.10	-0.05	-0.001	-0.10	0.0150	-2.5	-0.2	-1.0	-1.0
0142	1/14/92	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	0.02	-0.10	-0.05	0.001	-0.10	0.0020	-1.2	-0.2	-1.0	-1.0
0142	4/7/92	-0.10	0.001	-0.010	-0.010	-0.01	-0.05	-0.01	-0.10	-0.05	-0.001	-0.10	0.0010	-1.2	-0.2	-1.0	-1.0
0142	7/7/92	-0.10	0.001	-0.010	-0.010	-0.01	-0.05	-0.01	-0.10	-0.05	0.002	-0.10	0.0030	3.7	-0.2	-1.0	-1.0
0142	10/6/92	-0.10	0.001	-0.010	-0.010	-0.01	-0.05	0.01	-0.10	-0.05	0.001	-0.10	-0.0003	1.5	-0.2	1.4	-1.0
0142	1/5/93	-0.10	0.002	-0.010	-0.010	0.01	-0.05	0.01	-0.10	-0.05	0.007	-0.10	0.0100	0.5	-0.2	-1.0	1.6
0142	4/6/93	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	0.02	-0.10	-0.05	-0.001	-0.10	0.0020	-0.2	-0.2	2.6	-1.0
0142	7/13/93	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	0.02	-0.10	-0.05	-0.001	-0.10	-0.0003	-0.7	-0.2	-1.0	-1.0
0142	10/6/93	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	0.02	-0.10	-0.05	-0.001	-0.10	-0.0003	0.1	-0.2	2.9	-1.0
0142	1/5/94	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	0.03	-0.10	-0.05	-0.001	-0.10	0.0060	-1.7	-0.2	-1.0	1.4
0142	4/13/94	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	0.02	-0.10	-0.05	-0.001	-0.10	-0.0003	2.4	-0.2	1.6	3.5
0142	7/20/94	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	-0.01	-0.10	-0.05	-0.001	-0.10	0.0010	-1.8	-0.2	1.2	-1.0
0142	10/4/94	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	-0.01	-0.10	-0.05	-0.001	-0.10	0.0010	-1.3	-0.2	-1.0	-1.0
0142	1/4/95	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	0.02	-0.10	-0.05	-0.001	-0.10	0.0010	2.2	-0.2	-1.0	3.3
0142	4/5/95	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	0.03	-0.10	-0.05	-0.001	-0.10	0.0010	3.1	-0.2	-1.0	4.5
0142	7/6/95	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	0.02	-0.10	-0.05	0.001	-0.10	-0.0003	2.2	0.4	-1.0	-1.0
0142	10/3/95	-0.10	0.003	-0.010	-0.010	-0.01	-0.05	0.01	-0.10	-0.05	-0.001	-0.10	-0.0003	4.3	-0.2	-1.0	-1.0
0142	1/3/96	-0.10	0.001	-0.010	-0.010	-0.01	-0.05	0.14	-0.10	-0.05	-0.001	-0.10	0.0034	1.4	0.6	-1.0	-1.0
0142	4/2/96	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	-0.01	-0.10	-0.05	-0.001	-0.10	0.0004	-1.2	-0.2	-1.0	-1.0
0142	7/7/96	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	0.01	-0.10	-0.05	-0.001	-0.10	0.0007	1.5	-0.2	-1.0	-1.0
0142	10/1/96	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	0.01	-0.10	-0.05	0.003	-0.10	0.0003	-1.3	-0.2	-1.0	-1.0
0142	1/21/97	-0.10	0.002	-0.010	-0.010	-0.01	-0.05	0.04	-0.10	-0.05	-0.001	-0.10	-0.0003	-1.2	-0.2	-1.0	1.0
0142	4/8/97	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	0.01	-0.10	-0.05	-0.001	-0.10	-0.0003	-1.2	0.2	-1.0	-1.0
0142	7/8/97	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	0.01	-0.10	-0.05	-0.001	-0.10	-0.0003	-1.5	-0.2	-1.0	1.0
0142	10/7/97	-0.10	-0.001	-0.010	-0.010	-0.01	0.05	0.02	-0.10	-0.05	-0.001	-0.10	0.0010	-1.2	0.2	-1.0	-1.0
0142	1/15/98	-0.10	-0.001	-0.010	-0.005	-0.01	-0.05	0.02	-0.10	-0.05	-0.001	-0.10	0.0006	-2.8	-0.2	-1.0	1.0
0142	4/7/98	-0.10	-0.001	-0.010	-0.005	-0.01	-0.05	0.01	-0.10	-0.05	-0.001	-0.10	0.0008	-1.9	-0.2	-1.0	1.0
0142	7/7/98	-0.10	0.001	-0.010	-0.005	-0.01	-0.05	0.01	-0.10	-0.05	-0.001	-0.10	0.0006	-1.2	0.2	-1.0	-1.0
0142	10/6/98	-0.10	0.002	-0.010	-0.005	-0.01	-0.05	0.08	-0.10	-0.05	-0.001	-0.10	0.0051	-2.1	-0.2	-1.0	-1.0

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TABLE D.1

ZONE 1 DATA SUMMARY
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Well No.	Date	Water Elevation (ft AMSL)	Field pH (SU)	Lab pH (SU)	Lab TDS (mg/L)	Ca (mg/L)	Mg (mg/L)	Na (mg/L)	K (mg/L)	HCO_3 (mg/L)	SO_4 (mg/L)	Cl (mg/L)	NH_4 as N (mg/L)	NO_3 as N (mg/L)	Chloro-form (mg/L)	Naphtha-lene (mg/L)	Cyanide (mg/L)
	NRC Standard	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.001	0.001	0.005
	EPA Standard	NA	NA	NA	4,800	NA	NA	NA	NA	NA	2,125	250	NA	190	NA	NA	NA
0142	1/5/99	6,774.00	8.0	8.21	1,210	37.7	17.9	309	3.6	273	628	18.2	0.12	0.24	-0.00100		
0142	4/6/99	6,774.20	8.0	8.15	1,120	33.0	15.8	313	3.5	250	562	22.7	0.21	0.25	-0.00100		
0142	7/13/99	6,774.40	6.8	8.27	1,030	32.4	15.8	299	6.7	262	498	24.5	0.26	0.16	-0.00100		
0142	10/5/99	6,775.00	7.6	8.11	1,130	29.6	14.6	308	3.7	251	557	21.4	0.26	0.13	-0.00100		
0142	2/22/00	6,774.40	7.2	8.36	1,500	82.2	41.7	319	7.8	309	797	26.6	1.51	0.11	-0.00100		
0142	6/15/00	6,780.70	8.4	8.27	1,080	27.2	12.6	306	3.3	242	613	19.1	0.24	-0.10	-0.00100		
0142 Dup	6/15/00			8.26	1,110	26.5	12.2	307	3.1	239	611	18.5	0.25	-0.10	-0.00100		
0142	7/10/00	6,780.50	8.1	7.99	1,060	25.8	11.8	318	3.1	242	543	19.9	0.28	-0.10	-0.00100		
0142 Dup	7/10/00			8.06	1,060	24.3	11.2	314	3.0	240	537	19.3	0.29	-0.10	-0.00100		
0143	4/10/89	6,759.50	7.9	7.80	954	34.0	17.0	260	3.3	210	521	16.8	0.38	0.43	-0.00100	-0.001	-0.005
0143	7/22/89	6,759.40	7.9	7.86	1,000	34.0	17.0	297	3.7	207	596	16.7	0.44	0.39	-0.00100	-0.001	-0.005
0143	10/11/89	6,759.70	7.8	7.98	1,022	31.3	16.6	285	4.8	220	541	16.8	0.37	0.29	-0.00100	-0.001	-0.005
0143	1/3/90	6,759.60	7.5	7.65	1,002	32.5	16.1	291	3.6	220	542	17.3	0.48	0.22	-0.00100	-0.001	-0.005
0143	4/3/90	6,759.50	7.7	7.80	1,042	33.8	17.0	280	3.7	232	503	19.7	0.57	0.37	-0.00100	-0.001	-0.005
0143	7/2/90	6,759.30	7.4	7.90	1,033	34.5	16.6	292	3.9	226	528	17.2	0.12	1.05	-0.00100	-0.001	-0.005
0143	10/2/90	6,759.30	7.5	7.77	1,051	31.5	19.9	281	4.0	212	591	17.4	0.10	2.08	-0.00100	-0.001	-0.005
0143	1/3/91	6,759.40	7.5	7.15	1,023	31.2	18.7	286	5.2	220	571	15.2	0.36	0.64	-0.00100	-0.001	-0.005
0143	4/9/91	6,759.40	7.5	8.26	944	29.4	16.2	270	3.7	223	558	16.7	0.30	0.25	-0.00100	-0.001	-0.005
0143	7/16/91	6,759.20	7.6	7.73	975	29.1	15.1	264	3.4	228	620	16.6	0.28	0.25	-0.00100	-0.001	-0.005
0143	10/14/91	6,760.90	7.5	7.90	1,007	25.1	13.1	279	3.1	230	533	23.4	0.11	0.06	-0.00100	-0.001	-0.005
0143	1/14/92	6,764.70	7.4	7.54	1,005	28.9	15.8	267	3.2	237	565	17.2	0.78	0.18	-0.00100	-0.001	-0.005
0143	4/7/92	6,766.60	7.5	7.18	964	26.6	16.0	321	3.7	237	523	16.9	0.31	-0.10	-0.00100	-0.001	-0.005
0143	7/7/92	6,766.90	7.6	7.56	1,019	27.5	15.7	334	3.9	238	543	16.2	0.53	-0.10	-0.00100	-0.001	-0.005
0143	10/6/92	6,768.00	7.8	7.86	999	31.2	15.9	284	1.7	236	524	15.5	0.23	-0.10	-0.00100	-0.001	-0.005
0143	1/5/93	6,769.00	7.8	8.14	1,098	29.8	14.7	281	2.5	239	558	9.5	0.34	-0.10	-0.00100	-0.001	
0143	4/6/93	6,769.80	7.7	8.07	965	25.5	12.8	299	2.2	239	495	16.1	0.28	-0.10	-0.00100	-0.001	
0143	7/13/93	6,770.30	7.7	7.07	932	29.2	14.2	278	2.7	243	494	16.5	-0.05	-0.10	-0.00100	-0.001	
0143	10/6/93	6,770.70	7.6	7.62	978	28.2	14.2	271	2.3	243	525	15.6	0.20	0.18	-0.00100	-0.001	
0143	4/13/94	6,772.30	7.8	7.81	940	29.4	14.5	261	2.3	223	484	15.8	0.12	-0.10	-0.00100		
0143	7/20/94	6,772.60	7.6	8.07	950	38.9	15.4	256	2.5	223	509	14.5	0.23	0.19	-0.00100		
0143	10/4/94	6,773.20	7.6	8.09	927	33.3	16.4	285	3.1	245	525	16.2	0.23	0.16	-0.00100		
0143	1/4/95	6,773.80	7.5	8.05	959	33.0	15.4	283	3.2	243	498	15.2	0.23	-0.10	-0.00100		
0143	4/5/95	6,774.20	7.7	7.93	990	32.0	17.0	267	3.1	249	519	11.6	0.27	0.24	-0.00100		
0143	7/6/95	6,774.40	7.6	8.32	995	30.9	15.6	269	3.1	238	495	15.5	0.14	-0.10	-0.00100		
0143	10/3/95	6,774.90	7.3	8.35	994	30.8	15.8	266	3.1	241	486	14.2	0.22	0.11	-0.00100		
0143	1/3/96	6,775.50	8.0	8.05	971	29.1	15.3	272	3.0	244	489	13.9	0.20	0.13	-0.00100		
0143	4/2/96	6,775.80	7.5	8.41	958	32.5	16.7	257	3.3	244	519	16.9	0.33	0.14	0.00100		
0143	7/7/96	6,776.00	7.5	7.77	964	30.2	15.3	260	3.1	240	468	14.3	0.37	0.21	-0.00100		
0143	10/1/96	6,776.20	7.5	8.12	1,060	25.2	11.3	318	3.2	245	540	21.3	0.19	0.20	-0.00100		
0143	1/21/97	6,777.10	6.5	7.86	1,020	32.8	15.3	322	3.5	240	567	15.9	0.17	0.15	-0.00100		
0143	4/8/97	6,777.20	6.6	8.28	1,040	26.8	12.0	312	3.3	249	551	16.6	0.15	0.29	-0.00100		
0143	7/8/97	6,777.20	8.1	8.32	1,030	27.0	12.0	322	3.4	240	575	18.6	0.25	0.12	-0.00100		

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TABLE D.1

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Well No.	Date	Al (mg/L)	As (mg/L)	Be (mg/L)	Cd (mg/L)	Co (mg/L)	Pb (mg/L)	Mn (mg/L)	Mo (mg/L)	Ni (mg/L)	Se (mg/L)	V (mg/L)	U (mg/L)	Ra-226+ Ra-228 (pCi/L)	Th-230 (pCi/L)	Pb-210 (pCi/L)	Gross Alpha (pCi/L)
	NRC Standard	NA	0.05	0.05	0.01	NA	0.05	NA	NA	0.05	0.01	0.10	0.3	5.0	5.0	1.0	15.0
	EPA Standard	5.0	0.05	0.02	0.01	0.05	0.05	2.60	1.00	0.20	0.01	0.70	5.0	5.0	NA	NA	15.0
0142	1/5/99	-0.10	0.002	-0.010	-0.005	-0.01	-0.05	0.21	0.14	-0.05	-0.001	-0.10	0.0040	5.1	-0.2	-1.0	-1.0
0142	4/6/99	-0.10	-0.001	-0.010	-0.005	-0.01	-0.05	0.01	-0.10	-0.05	-0.001	-0.10	0.0012	-1.2	-0.2	4.9	-1.0
0142	7/13/99	-0.10	0.001	-0.010	-0.005	-0.01	-0.05	0.01	-0.10	-0.05	0.001	-0.10	0.0009	-1.2	-0.2	-1.0	-1.0
0142	10/5/99	-0.10	-0.001	-0.010	-0.005	-0.01	-0.05	0.03	-0.10	-0.05	-0.001	-0.10	0.0008	-1.7	-0.2	-1.0	-1.0
0142	2/22/00	-0.10	-0.001	-0.010	-0.005	-0.01	-0.05	0.01	0.14	-0.05	-0.001	-0.10	0.0077	3.9	-0.2	-1.0	2.5
0142	6/15/00	1.18	-0.001	-0.010	-0.005	-0.01	-0.05	0.07	-0.10	-0.05	-0.001	-0.10	0.0013	-1.2	-0.2	-1.0	-1.0
0142 Dup	6/15/00	0.70	-0.001	-0.010	-0.005	-0.01	-0.05	0.06	-0.10	-0.05	-0.001	0.10	0.0012	-1.7	-0.2	-1.0	-1.0
0142	7/10/00	0.75	-0.001	-0.010	-0.005	-0.01	-0.05	0.07	-0.10	-0.05	-0.001	-0.10	0.0011	-1.9	-0.2	-1.0	1.4
0142 Dup	7/10/00	0.39	-0.001	-0.010	-0.005	-0.01	-0.05	0.06	-0.10	-0.05	-0.001	-0.10	0.0024	-1.7	-0.2	-1.0	1.4
0143	4/10/89		-0.001	-0.050	-0.010		-0.05	0.03		-0.05	-0.001	-0.10	0.0041	-1.2	-0.2	-1.0	3.4
0143	7/22/89	-0.10	0.002	-0.050	-0.010	-0.01	-0.05	0.04	-0.10	-0.05	0.001	0.10	0.0034	-1.7	3.0	-1.0	1.4
0143	10/11/89	-0.10	0.001	-0.050	-0.010	-0.01	-0.05	0.04	0.11	-0.05	0.001	-0.10	0.0060	2.7	0.9	-1.0	3.2
0143	1/3/90	-0.10	0.001	-0.050	-0.010	-0.01	-0.05	0.04	0.01	-0.05	0.001	-0.10	0.0060	-2.4	-0.2	2.1	4.0
0143	4/3/90	-0.10	0.002	-0.050	-0.010	0.01	-0.05	0.06	-0.10	-0.05	-0.001	-0.10	0.0681	-1.8	-0.2	-1.0	1.3
0143	7/2/90	-0.10	0.002	-0.050	-0.010	-0.01	-0.05	0.04	-0.10	-0.05	-0.001	-0.10	0.0068	-1.6	-0.2	-1.0	-1.0
0143	10/2/90	-0.10	0.002	-0.050	-0.010	-0.01	-0.05	0.04	-0.10	-0.05	-0.001	-0.10	0.0060	-1.3	-0.2	-1.0	-1.0
0143	1/3/91	-0.10	0.001	-0.010	0.010	-0.01	-0.05	0.04	-0.10	-0.05	-0.001	-0.10	0.0057	-1.9	-0.2	-1.0	-1.0
0143	4/9/91	-0.10	0.001	-0.010	-0.010	-0.01	-0.05	0.02	-0.10	-0.05	-0.001	-0.10	0.0020	-1.9	-0.2	-1.0	-1.0
0143	7/16/91	-0.10	0.001	-0.010	-0.010	-0.01	-0.05	0.03	-0.10	-0.05	-0.001	-0.10	-0.0003	-1.2	-0.2	-1.0	-1.0
0143	10/14/91	-0.10	0.001	-0.010	-0.010	-0.01	-0.05	0.03	-0.10	-0.05	-0.001	-0.10	0.0030	-1.2	-0.2	-1.0	-1.0
0143	1/14/92	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	0.01	0.10	-0.05	-0.001	-0.10	0.0070	-1.2	0.2	-1.0	-1.0
0143	4/7/92	-0.10	0.003	-0.010	-0.010	-0.01	-0.05	0.02	0.10	-0.05	-0.001	-0.10	0.0060	-2.0	-0.2	-1.0	-1.0
0143	7/7/92	-0.10	0.001	-0.010	-0.010	-0.01	-0.05	0.02	-0.10	-0.05	0.001	-0.10	0.0080	-1.2	-0.2	-1.0	-1.0
0143	10/6/92	-0.10	0.001	-0.010	-0.010	-0.01	-0.05	0.02	-0.10	-0.05	0.001	-0.10	0.0170	4.0	0.2	-1.0	-1.0
0143	1/5/93	-0.10	0.004	-0.010	-0.010	-0.01	-0.05	0.02	-0.10	-0.05	0.007	-0.10	0.0060	-0.6	-0.2	-1.0	-1.0
0143	4/6/93	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	0.03	-0.10	-0.05	-0.001	-0.10	0.0040	2.0	-0.2	2.2	-1.0
0143	7/13/93	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	0.03	-0.10	-0.05	-0.001	-0.10	0.0030	2.0	-0.2	-1.0	-1.0
0143	10/6/93	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	0.02	-0.10	-0.05	-0.001	-0.10	0.0010	-0.3	-0.2	-1.0	-1.0
0143	4/13/94	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	0.02	-0.10	-0.05	-0.001	-0.10	-0.0003	3.3	-0.2	-1.0	4.7
0143	7/20/94	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	0.03	-0.10	-0.05	-0.001	-0.10	0.0020	-2.0	-0.2	-1.0	1.2
0143	10/4/94	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	0.04	-0.10	-0.05	-0.001	-0.10	0.0020	-1.7	-0.2	-1.0	-1.0
0143	1/4/95	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	-0.02	-0.10	-0.05	-0.001	-0.10	0.0020	-1.8	-0.2	-1.0	-1.0
0143	4/5/95	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	-0.02	-0.10	-0.05	-0.001	-0.10	0.0020	-1.2	-0.2	1.5	-1.0
0143	7/6/95	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	-0.03	-0.10	-0.05	0.001	-0.10	-0.0003	-1.5	0.2	-1.0	-1.0
0143	10/3/95	-0.10	0.004	-0.010	-0.010	-0.01	-0.05	0.02	-0.10	-0.05	-0.001	0.10	0.0018	1.6	-0.2	1.0	1.0
0143	1/3/96	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	0.02	-0.10	-0.05	-0.001	-0.10	0.0014	3.5	0.4	1.0	2.1
0143	4/2/96	-0.10	0.001	-0.010	-0.010	-0.01	-0.05	0.02	-0.10	0.19	-0.001	0.10	-0.0003	1.5	-0.2	-1.0	-1.0
0143	7/7/96	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	0.02	-0.10	-0.05	-0.001	-0.10	0.0020	-1.2	0.2	-1.0	3.8
0143	10/1/96	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	0.01	-0.10	-0.05	0.003	-0.10	-0.0003	-1.3	0.2	-1.0	-1.0
0143	1/21/97	-0.10	0.002	-0.010	-0.010	-0.01	-0.05	0.04	-0.10	-0.05	-0.001	-0.10	0.0003	-1.2	-0.2	-1.0	-1.0
0143	4/8/97	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	0.01	-0.10	-0.05	-0.001	-0.10	-0.0003	-1.2	0.2	-1.0	-1.0
0143	7/8/97	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	0.01	-0.10	-0.05	-0.001	-0.10	-0.0003	-1.5	-0.2	-1.0	-1.0

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TABLE D.1

ZONE 1 DATA SUMMARY
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Well No.	Date	Water Elevation (ft AMSL)	Field pH (SU)	Lab pH (SU)	Lab TDS (mg/L)	Ca (mg/L)	Mg (mg/L)	Na (mg/L)	K (mg/L)	HCO_3 (mg/L)	SO_4 (mg/L)	Cl (mg/L)	NH_4 as N (mg/L)	NO_3 as N (mg/L)	Chloro-form (mg/L)	Naphtha-lene (mg/L)	Cyanide (mg/L)
	NRC Standard	NA	NA	NA	4,800	NA	NA	NA	NA	NA	2,125	250	NA	190	0.001	0.001	0.005
	EPA Standard	NA	NA	NA											NA	NA	NA
0143	10/7/97	6,777.30	7.6	8.15	975	32.7	16.8	266	3.2	246	505	12.6	0.21	0.11	-0.00100		
0143	1/15/98	6,776.90	7.8	8.30	974	36.3	18.0	272	3.5	245	542	17.8	0.16	0.27	-0.00100		
0143	4/7/98	6,778.00	7.8	8.21	980	30.0	15.6	263	3.1	243	486	14.8	0.14	0.15	-0.00100		
0143	7/7/98	6,778.10	8.0	8.23	953	32.3	16.9	276	3.4	226	460	14.5	0.29	0.11	-0.00100		
0143	10/6/98	6,778.40	7.5	8.41	986	30.7	15.7	276	3.7	245	526	16.0	1.00	0.35	-0.00100		
0143	1/5/99	6,778.50	7.9	8.20	979	30.6	14.5	268	3.8	254	509	16.1	0.13	0.13	-0.00100		
0143	4/6/99	6,779.10	8.0	8.09	975	31.4	16.5	267	3.3	240	477	18.5	0.28	0.15	-0.00100		
0143	7/13/99	6,778.79	6.8	8.24	857	33.3	18.0	284	4.0	247	517	13.9	0.33	-0.10	-0.00100		
0143	10/5/99	6,779.00	7.5	8.08	953	28.1	15.6	257	3.0	235	457	16.4	0.32	-0.10	-0.00100		
0143	2/22/00	6,779.90	7.8	8.41	998	36.1	19.4	272	5.4	242	528	22.8	0.33	0.24	-0.00100		
0143	5/28/00																
0143	8/21/00																
0515 A	4/3/89	6,920.20	4.3	3.95	7,146	485	818	298	11.3	0	4,955	46.1	1.16	75.00	0.00450	-0.001	0.016
0515 A	7/23/89	6,920.50	4.5	4.63	7,411	482	871	340	12.6	18	4,982	52.5	0.39	86.00	0.01400	-0.001	-0.005
0515 A	10/12/89	6,920.80	4.7	4.60	7,650	439	861	328	15.8	4	4,583	77.8	0.39	84.00	0.01200	-0.001	-0.005
0515 A	1/10/90	6,919.60	4.0	3.94	9,350	449	1017	335	13.7	0	6,227	36.8	3.79	52.00	0.00840	-0.001	-0.005
0515 A	4/5/90	6,918.80	3.9	3.98	9,405	451	1073	331	13.3	0	6,237	30.8	3.25	55.00	0.01180	-0.001	-0.005
0515 A	7/3/90	6,918.10	4.0	4.18	9,187	435	941	320	12.7	0	6,084	59.4	0.67	54.20	0.02240	-0.001	-0.005
0515 A	10/3/90	6,917.80	4.4	4.32	9,021	440	992	390	15.7	0	5,728	82.6	0.17	51.60	0.02540	-0.001	-0.005
0515 A	1/15/91	6,916.90	4.4	4.31	9,290	523	1146	407	16.7	0	6,476	68.5	0.65	58.50	0.04200	-0.001	-0.005
0515 A	4/3/91	6,916.60	4.6	4.88	9,254	459	1159	387	12.9	16	5,627	83.0	0.31	41.40	0.07530	-0.001	-0.005
0515 A	7/17/91	6,916.50	4.5	4.60	8,966	486	940	342	13.2	12	6,653	83.5	0.79	38.60	0.03840	-0.001	0.005
0515 A	10/15/91	6,916.20	4.8	4.92	9,118	410	749	453	15.0	10	5,832	108.0	-0.05	19.90	0.10200	-0.001	-0.005
0515 A	1/15/92	6,916.10	4.5	4.61	9,035	409	814	396	12.6	17	5,854	90.3	0.18	26.50	0.01900	-0.001	-0.005
0515 A	4/8/92	6,916.20	4.3	5.30	9,087	430	723	416	14.5	20	5,710	130.0	1.23	19.20	0.02400	-0.001	-0.005
0515 A	7/8/92	6,915.80	4.3	4.78	8,447	438	687	511	17.7	5	5,892	109.0	1.78	31.00	0.06300	-0.001	-0.005
0515 A	10/7/92	6,915.70	4.6	4.10	8,989	450	953	470	19.4	0	6,028	78.2	0.43	15.10	0.04820	-0.001	-0.005
0515 A	1/6/93	6,915.60	5.3	4.98	7,144	415	776	384	13.0	19	4,980	145.0	0.71	21.80	0.10200	-0.001	-0.005
0515 A	4/6/93	6,915.60	4.7	4.55	8,962	389	863	471	12.5	3	5,942	150.0	0.35	27.10	0.08900	0.001	-0.005
0515 A	7/13/93	6,915.00	5.0	4.60	8,790	449	1088	458	14.0	7	5,755	195.0	1.14	29.30	0.13300	-0.001	-0.005
0515 A	10/6/93	6,914.80	6.0	6.22	8,235	454	1038	479	12.6	554	5,500	225.0	0.94	38.00	0.25500	-0.001	-0.005
0515 A	1/6/94	6,914.70	5.5	6.13	8,633	436	862	478	11.3	373	5,042	227.0	2.18	45.70	0.31500		
0515 A	4/12/94	6,914.40	5.7	5.98	8,306	433	868	440	11.3	183	5,305	223.0	2.17	51.90	0.27700		
0515 A	7/20/94	6,913.90	5.6	6.91	8,197	483	902	419	12.5	206	5,157	195.0	0.97	45.60	0.27100		
0515 A	10/4/94	6,914.00	5.6	6.62	8,173	496	924	493	12.6	260	5,276	236.0	1.64	51.80	0.24100		
0515 A	1/4/95	6,913.70	5.5	6.69	8,234	485	945	443	14.1	266	5,293	212.0	1.42	49.00	0.21300		
0515 A	4/4/95	6,913.40	5.6	5.91	7,657	488	802	488	14.1	185	5,196	240.0	2.00	58.50	0.18200		
0515 A	7/6/95	6,912.90	5.8	7.09	8,297	475	926	449	13.1	315	5,060	236.0	3.99	49.70	0.18100		
0515 A	10/3/95	6,912.90	5.8	7.16	8,311	490	928	477	13.0	421	5,042	253.0	6.81	53.30	0.26400		
0515 A	1/3/96	6,912.70	5.8	6.43	8,017	450	876	468	13.5	475	4,830	252.0	5.60	56.90	0.23600		
0515 A	4/2/96	6,912.40	6.0	7.53	8,300	506	997	457	14.0	392	5,360	279.0	6.57	61.00	0.24700		
0515 A	7/7/96	6,912.20	5.3	5.94	8,117	447	853	426	13.6	210	4,670	250.0	1.76	54.70	0.21100		
0515 A	10/1/96	6,912.00	5.7	6.58	8,270	441	910	457	14.5	342	4,834	268.0	6.97	53.50	0.23800		

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TABLE D.1

ZONE 1 DATA SUMMARY
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Well No.	Date	Al (mg/L)	As (mg/L)	Be (mg/L)	Cd (mg/L)	Co (mg/L)	Pb (mg/L)	Mn (mg/L)	Mo (mg/L)	Ni (mg/L)	Se (mg/L)	V (mg/L)	U (mg/L)	Ra-226+ Ra-228 (pCi/L)	Th-230 (pCi/L)	Pb-210 (pCi/L)	Gross Alpha (pCi/L)
	NRC Standard	NA	0.05	0.05	0.01	NA	0.05	NA	NA	0.05	0.01	0.10	0.3	5.0	5.0	1.0	15.0
	EPA Standard	5.0	0.05	0.02	0.01	0.05	0.05	2.60	1.00	0.20	0.01	0.70	5.0	5.0	NA	NA	15.0
0143	10/7/97	-0.10	-0.001	-0.010	-0.010	0.01	-0.05	0.03	-0.10	-0.05	-0.001	-0.10	-0.0003	-1.2	-0.2	-1.0	-1.0
0143	1/15/98	-0.10	-0.001	-0.010	-0.005	-0.01	-0.05	-0.01	-0.10	-0.05	-0.001	-0.10	0.0013	-1.2	-0.2	-1.0	-1.0
0143	4/7/98	-0.10	0.001	-0.010	-0.005	-0.01	-0.05	0.02	-0.10	-0.05	-0.001	-0.10	0.0015	-1.2	-0.2	-1.0	-1.0
0143	7/7/98	-0.10	0.001	-0.010	-0.005	-0.01	-0.05	0.02	-0.10	-0.05	-0.001	-0.10	0.0009	-1.2	-0.2	-1.0	-1.0
0143	10/6/98	-0.10	0.006	-0.010	-0.005	-0.01	-0.05	0.10	-0.10	-0.05	-0.001	-0.10	0.0081	-1.6	-0.2	-1.0	-1.0
0143	1/5/99	-0.10	0.004	-0.010	-0.005	-0.01	-0.05	0.09	-0.10	-0.05	-0.001	-0.10	0.0148	-1.2	-0.2	-1.0	-1.0
0143	4/6/99	-0.10	-0.001	-0.010	-0.005	-0.01	-0.05	0.02	-0.10	-0.05	-0.001	-0.10	0.0014	-1.9	-0.2	-1.0	-1.0
0143	7/13/99	-0.10	-0.001	-0.010	-0.005	-0.01	-0.05	0.02	-0.10	-0.05	-0.001	-0.10	0.0011	-1.2	-0.2	-1.0	-1.0
0143	10/5/99	-0.10	-0.001	-0.010	-0.005	-0.01	-0.05	0.03	-0.10	-0.05	-0.001	-0.10	0.0010	-1.3	-0.2	-1.0	-1.0
0143	2/22/00	-0.10	0.001	-0.010	-0.005	-0.01	-0.05	0.06	-0.10	-0.05	0.001	-0.10	0.0047	-3.0	-0.2	-1.0	3.1
0143	5/28/00																
0143	8/21/00																
0515 A	4/3/89		-0.001	-0.050	-0.010		-0.05	11.00		0.23	0.020	-0.10	0.0028	21.0	9.2	1.4	13.6
0515 A	7/23/89	12.00	-0.001	-0.050	-0.010	0.07	-0.05	7.70	-0.10	0.26	-0.001	-0.10	0.0029	15.7	-0.2	3.0	23.1
0515 A	10/12/89	15.00	-0.001	-0.050	-0.010	0.09	-0.05	8.50	-0.01	0.26	0.019	-0.10	0.0040	-4.2	-0.2	1.6	3.9
0515 A	1/10/90	110.00	-0.001	-0.050	-0.010	0.26	-0.05	23.00	-0.10	0.37	-0.001	-0.10	0.0100	14.9	1.7	3.5	9.7
0515 A	4/5/90	150.00	-0.001	-0.050	-0.010	0.31	-0.05	24.00	-0.10	0.46	-0.001	-0.10	0.0080	10.4	1.8	2.2	7.3
0515 A	7/3/90	110.00	-0.001	-0.050	-0.010	0.18	-0.05	17.60	-0.10	0.35	-0.001	-0.10	0.0107	13.1	-0.2	-1.0	7.0
0515 A	10/3/90	75.60	-0.001	-0.050	-0.010	0.17	-0.05	12.80	-0.10	0.31	-0.001	-0.10	0.0050	11.6	-0.2	-1.0	4.0
0515 A	1/15/91	48.40	-0.001	0.010	0.010	0.16	-0.05	11.60	-0.10	0.32	-0.001	-0.10	0.0070	12.4	-0.2	-1.0	5.7
0515 A	4/3/91	60.70	-0.001	-0.010	-0.010	0.11	-0.05	7.10	-0.10	0.20	-0.001	-0.10	0.0030	13.3	-0.2	2.0	6.0
0515 A	7/17/91	45.80	-0.001	0.020	-0.010	0.24	-0.05	14.70	-0.10	0.30	-0.001	-0.10	0.0110	6.2	-0.2	-1.0	3.0
0515 A	10/15/91	3.30	-0.001	-0.010	-0.010	0.22	-0.05	14.40	-0.10	0.19	-0.001	-0.10	0.0200	11.4	-0.2	-1.0	3.0
0515 A	1/15/92	26.60	-0.001	0.020	-0.010	0.02	-0.05	15.50	-0.10	0.31	0.010	-0.10	0.0120	7.0	-0.2	4.2	3.0
0515 A	4/8/92	16.20	0.003	0.010	-0.010	0.19	-0.05	13.60	-0.10	0.27	0.010	-0.10	0.0130	9.8	-0.2	-1.0	3.6
0515 A	7/8/92	21.00	0.001	-0.010	-0.010	0.19	-0.05	15.70	-0.10	0.26	0.001	-0.10	0.0200	14.2	-0.2	1.6	3.7
0515 A	10/7/92	48.80	-0.001	-0.010	-0.010	0.28	-0.05	18.70	-0.10	0.38	-0.001	-0.10	0.0200	12.6	-0.2	-1.0	5.9
0515 A	1/6/93	10.20	-0.001	0.010	-0.010	0.21	-0.05	14.20	-0.10	0.34	0.004	-0.10	0.0150	12.4	-0.2	-1.0	5.9
0515 A	4/6/93	35.60	-0.001	0.013	-0.010	0.26	-0.05	18.80	-0.10	0.37	0.001	-0.10	0.0150	12.4	-0.2	4.4	3.6
0515 A	7/13/93	5.73	-0.001	-0.010	-0.010	0.20	-0.05	14.00	-0.10	0.28	-0.001	-0.10	0.0120	9.1	-0.2	2.9	3.4
0515 A	10/6/93	1.87	-0.001	-0.010	-0.010	0.13	-0.05	9.81	-0.10	0.27	-0.001	-0.10	0.0040	10.5	-0.2	2.6	3.9
0515 A	1/6/94	2.92	-0.001	-0.010	-0.010	0.15	-0.05	12.10	-0.10	0.26	-0.001	-0.10	0.0040	8.2	-0.2	-1.0	10.6
0515 A	4/12/94	1.51	-0.001	-0.010	-0.010	-0.01	-0.05	10.60	-0.10	0.21	0.001	-0.10	0.0300	-5.8	-0.2	3.9	5.0
0515 A	7/20/94	1.42	-0.001	-0.010	-0.010	0.18	-0.05	11.40	-0.10	0.25	0.001	-0.10	0.0020	13.5	-0.2	-1.0	24.2
0515 A	10/4/94	2.45	-0.001	-0.010	-0.010	0.16	-0.05	15.30	-0.10	0.31	-0.001	-0.10	0.0030	10.3	-0.2	1.0	12.3
0515 A	1/4/95	1.70	-0.001	-0.010	-0.010	0.11	-0.05	10.20	-0.10	0.42	-0.001	-0.10	0.0040	10.9	-0.2	-1.0	13.4
0515 A	4/4/95	2.04	-0.001	-0.010	-0.010	0.13	-0.05	11.00	-0.10	0.15	-0.001	-0.10	0.0020	12.2	-0.2	2.9	16.1
0515 A	7/6/95	0.25	-0.001	-0.010	-0.010	0.02	-0.05	2.52	-0.10	-0.05	0.002	-0.10	0.0044	7.2	0.3	-1.0	16.1
0515 A	10/3/95	0.65	0.002	-0.010	-0.010	0.07	-0.05	11.10	-0.10	0.13	-0.001	-0.10	0.0057	-4.6	-0.2	-1.0	13.6
0515 A	1/3/96	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	11.40	-0.10	0.14	-0.001	-0.10	0.0038	6.5	0.8	-1.0	7.4
0515 A	4/2/96	0.60	-0.001	-0.010	-0.010	0.08	-0.05	11.80	-0.10	0.14	-0.001	-0.10	-0.0003	6.3	-0.2	-1.0	5.4
0515 A	7/7/96	1.42	-0.001	-0.010	-0.010	0.11	-0.05	12.90	-0.10	0.17	-0.001	-0.10	0.0023	-3.6	-0.2	-1.0	3.4
0515 A	10/1/96	0.85	-0.001	-0.010	-0.010	0.08	-0.05	13.20	-0.10	0.15	0.002	-0.10	0.0028	7.5	-0.2	-1.0	3.8

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TABLE D.1

ZONE 1 DATA SUMMARY
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Well No.	Date	Water Elevation (ft AMSL)	Field pH (SU)	Lab pH (SU)	Lab TDS (mg/L)	Ca (mg/L)	Mg (mg/L)	Na (mg/L)	K (mg/L)	HCO_3 (mg/L)	SO_4 (mg/L)	Cl (mg/L)	NH_4 as N (mg/L)	NO_3 as N (mg/L)	Chloro-form (mg/L)	Naphtha-lene (mg/L)	Cyanide (mg/L)
	NRC Standard	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.001	0.001	0.005
	EPA Standard	NA	NA	NA	4,800	NA	NA	NA	NA	NA	2,125	250	NA	190	NA	NA	NA
0515 A	1/21/97	6,911.90	5.6	6.77	8,110	449	979	455	15.0	428	5,140	253.0	8.03	46.80	0.23900		
0515 A	4/8/97	6,911.70	5.5	7.37	8,220	456	865	449	15.0	331	4,388	294.0	6.41	58.50	0.23000		
0515 A	7/8/97	6,911.20	6.4	6.75	8,260	502	950	466	15.1	296	5,130	300.0	5.39	57.90	0.23800		
0515 A	10/7/97	6,911.20	5.5	6.71	8,200	490	906	450	14.6	254	4,790	255.0	6.04	56.40	0.24200		
0515 A	1/15/98	6,911.00	5.7	6.80	8,040	455	860	439	14.7	228	4,800	287.0	10.40	64.80	0.26200		
0515 A	4/7/98	6,911.00	5.5	7.14	8,190	429	821	444	14.1	276	4,420	257.0	6.47	58.90	0.23600		
0515 A	7/7/98	6,910.90	5.8	7.61	8,170	481	912	456	14.5	291	4,500	291.0	6.90	63.90	0.27000		
0515 A	10/6/98	6,910.50	5.7	7.32	8,170	465	910	468	15.5	317	5,000	286.0	3.89	70.50	0.21000		
0515 A	1/5/99	6,910.00	5.7	7.18	8,200	412	867	410	14.2	306	4,900	287.0	6.47	57.40	0.21000		
0515 A	4/6/99	6,910.10	5.5	6.59	8,130	444	889	404	13.7	292	4,600	286.0	6.52	57.80	0.19000		
0515 A	7/13/99	6,909.88	5.7	7.42	7,930	486	938	440	18.0	272	4,800	254.0	4.52	62.60	0.17200		
0515 A	10/5/99	6,910.00	5.4	7.27	7,950	526	1040	423	14.6	253	5,440	272.0	6.64	55.60	0.18300		
0515 A	2/22/00	6,910.40	5.5	7.14	7,720	414	810	338	13.7	222	4,150	221.0	3.59	65.10	0.17100		
0515 A	6/21/00	6,910.60	5.5	7.01	8,080	437	871	437	13.6	356	4,440	261.0	9.79	62.80	0.19800		
0515 A	8/11/00	6,910.30	5.5	6.50	7,740	458	866	428	13.4	242	4,460	239.0	4.19	86.50	0.15400		
0516 A*	4/3/89	6,919.10	4.2	4.15	12,312	459	1568	377	8.8	0	8,360	253.0	24.00	147.00	-0.00100	-0.001	0.051
0516 A*	7/23/89	6,918.70	4.2	4.08	12,629	454	1519	399	9.3	0	8,605	207.0	30.50	146.00	-0.00100	-0.001	-0.005
0516 A*	10/12/89	6,918.50	4.4	4.22	11,560	449	1343	358	13.6	0	6,992	264.0	39.80	188.00	-0.00100	-0.001	-0.005
0516 A*	1/10/90	6,917.80	4.4	4.31	10,892	463	1281	409	11.7	0	6,654	230.0	25.00	181.00	-0.00100	-0.001	-0.005
0516 A*	4/6/90	6,917.40	4.5	4.27	11,343	463	1300	379	12.1	0	6,989	216.0	57.30	186.00	-0.00100	-0.001	-0.005
0516 A*	7/3/90	6,916.40	4.2	4.28	11,462	472	1212	359	10.2	0	7,003	216.0	95.50	208.00	-0.00100	-0.001	-0.005
0516 A*	10/9/90	6,915.60	4.6	4.51	10,430	429	1243	416	13.3	0	6,467	203.0	78.00	208.00	-0.00100	-0.001	-0.005
0516 A*	1/15/91	6,915.10	4.6	4.50	10,179	482	1207	436	19.4	0	5,983	261.0	80.80	240.00	-0.00100	-0.001	-0.005
0516 A*	4/2/91	6,914.40	4.9	4.99	10,493	464	1250	387	13.4	25	6,165	267.0	97.90	240.00	-0.00100	-0.001	-0.005
0516 A*	7/17/91	6,913.80	4.8	5.75	9,771	430	1097	390	12.8	100	6,873	326.0	74.00	281.00	-0.00100	-0.001	-0.005
0516 A*	10/15/91	6,911.40	5.1	6.39	9,878	450	1068	451	16.5	213	6,047	275.0	99.00	234.00	-0.00100	-0.001	-0.005
0516 A*	1/15/92	6,913.20	4.9	4.70	9,588	403	1186	364	11.9	22	6,079	241.0	201.00	93.50	0.00120	-0.001	-0.005
0516 A*	4/8/92	6,912.90	4.9	5.51	10,129	444	669	395	15.1	83	6,152	369.0	117.00	97.10	0.00160	-0.001	-0.005
0516 A*	7/8/92	6,912.40	4.8	6.21	9,577	495	916	413	25.2	117	6,065	234.0	129.00	119.00	0.00140	0.002	-0.005
0516 A*	10/7/92	6,912.20	5.0	5.19	9,800	492	1090	433	17.2	73	6,244	229.0	80.10	15.90	0.00130	-0.001	-0.005
0516 A*	1/6/93	6,912.10	5.1	5.70	8,137	502	889	398	15.5	168	5,252	245.0	93.70	144.00	0.00210	0.002	-0.005
0516 A*	4/6/93	6,911.80	5.4	6.26	9,954	423	1037	456	13.7	250	6,106	252.0	112.00	141.00	0.00180	-0.001	-0.005
0516 A*	7/13/93	6,911.20	5.6	6.48	9,291	485	1102	401	14.4	421	5,879	241.0	92.90	142.00	0.00230	-0.001	-0.005
0516 A*	10/7/93	6,910.50	5.8	6.16	9,168	481	1109	417	13.3	348	5,596	255.0	101.00	169.00	0.00160	-0.001	-0.005
0516 A*	1/6/94	6,910.70	5.7	6.26	10,048	478	1044	445	12.7	477	5,747	237.0	112.00	150.00	0.00250		
0516 A*	4/12/94	6,910.20	5.8	6.52	9,862	472	1121	413	14.6	610	5,815	249.0	138.00	155.00	0.00087		
0516 A*	7/20/94	6,906.80	6.0	6.96	10,276	526	1293	389	17.6	953	6,286	246.0	149.00	157.00	0.00204		
0516 A*	10/4/94	6,909.50	6.2	7.37	10,221	533	1221	488	17.2	949	6,371	249.0	164.00	138.00	0.00160		
0516 A*	1/4/95	6,909.10	6.1	7.01	10,761	495	1245	458	19.0	939	6,901	255.0	198.00	130.00	0.00180		
0516 A*	4/5/95	6,908.80	6.1	6.36	10,757	505	1275	478	20.7	1,069	6,510	255.0	180.00	133.00	0.00130		
0516 A*	7/6/95	6,903.90	6.2	7.21	10,428	491	1290	476	18.7	1,302	6,259	258.0	164.00	129.00	0.00190		
0516 A*	10/3/95	6,903.70	6.1	7.44	10,761	527	1298	450	19.4	1,332	6,394	238.0	178.00	126.00	0.00172		
0516 A*	1/3/96	6,908.20	6.4	7.03	11,314	469	1340	485	18.5	1,302	6,480	237.0	137.00	142.00	0.00176		

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TABLE D.1

ZONE 1 DATA SUMMARY
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Well No.	Date	Al (mg/L)	As (mg/L)	Be (mg/L)	Cd (mg/L)	Co (mg/L)	Pb (mg/L)	Mn (mg/L)	Mo (mg/L)	Ni (mg/L)	Se (mg/L)	V (mg/L)	U (mg/L)	Ra-226+ Ra-228 (pCi/L)	Th-230 (pCi/L)	Pb-210 (pCi/L)	Gross Alpha (pCi/L)
	NRC Standard	NA	0.05	0.05	0.01	NA	0.05	NA	NA	0.05	0.01	0.10	0.3	5.0	5.0	1.0	15.0
	EPA Standard	5.0	0.05	0.02	0.01	0.05	0.05	2.60	1.00	0.20	0.01	0.70	5.0	5.0	NA	NA	15.0
0515 A	1/21/97	0.97	-0.001	-0.010	-0.010	0.07	-0.05	12.20	-0.10	0.14	-0.001	-0.10	0.0040	6.5	-0.2	-1.0	2.5
0515 A	4/8/97	0.75	-0.001	-0.010	-0.010	0.07	-0.05	12.10	-0.10	0.15	0.069	-0.10	0.0019	9.4	-0.2	-1.0	13.0
0515 A	7/8/97	1.27	-0.001	-0.010	-0.010	0.09	-0.05	14.60	-0.10	0.15	-0.001	-0.10	0.0030	5.3	0.2	-1.0	2.2
0515 A	10/7/97	0.98	-0.001	-0.010	-0.010	0.08	-0.05	12.90	-0.10	0.17	-0.001	-0.10	0.0030	-3.1	-0.2	-1.0	3.2
0515 A	1/15/98	2.00	-0.001	-0.010	-0.005	0.10	-0.05	15.60	-0.10	0.19	-0.001	-0.10	0.0025	7.1	-0.2	-1.0	2.4
0515 A	4/7/98	0.78	-0.001	-0.010	-0.005	0.08	-0.05	12.10	-0.10	0.17	-0.001	-0.10	0.0034	6.2	-0.2	-1.0	4.1
0515 A	7/7/98	0.87	-0.001	-0.010	-0.005	0.07	-0.05	13.90	-0.10	0.15	-0.001	-0.10	0.0031	7.1	-0.2	-1.0	3.8
0515 A	10/6/98	0.51	-0.001	-0.010	-0.005	0.06	-0.05	11.80	-0.10	0.15	-0.001	-0.10	0.0049	3.5	-0.2	-1.0	2.8
0515 A	1/5/99	0.69	-0.001	-0.010	0.011	0.05	-0.05	12.30	-0.10	0.12	-0.001	-0.10	0.0035	6.1	-0.2	-1.0	2.5
0515 A	4/6/99	0.86	-0.001	-0.010	0.006	0.07	-0.05	13.60	-0.10	0.15	-0.001	-0.10	0.0029	8.2	-0.2	-1.0	3.1
0515 A	7/13/99	0.40	-0.001	-0.010	0.006	0.05	-0.05	13.60	-0.10	0.13	-0.001	-0.10	0.0036	5.2	-0.2	-1.0	2.0
0515 A	10/5/99	1.02	-0.001	-0.010	0.008	0.07	-0.05	16.60	-0.10	0.15	-0.001	-0.10	0.0023	-3.4	-0.2	-1.0	4.7
0515 A	2/22/00	1.22	-0.001	-0.010	0.006	0.08	-0.05	14.00	-0.10	0.22	-0.001	-0.10	0.0025	7.4	-0.2	-1.0	3.7
0515 A	6/21/00	2.44	-0.001	-0.010	-0.005	0.06	-0.05	11.80	-0.10	0.18	-0.001	-0.10	0.0036	6.2	-0.2	-1.0	12.0
0515 A	8/11/00	2.11	-0.001	-0.010	-0.005	0.09	-0.05	14.60	-0.10	0.19	-0.001	-0.10	0.0021	5.6	-0.2	-1.0	4.6
0516 A*	4/3/89		-0.001	-0.050	-0.010		-0.05	33.00		0.47	-0.001	0.10	0.0018	11.0	-0.2	-1.0	26.0
0516 A*	7/23/89	240.00	-0.001	-0.050	-0.010	0.45	-0.05	37.00	-0.10	0.05	-0.001	-0.10	0.0023	21.9	-0.2	2.9	53.8
0516 A*	10/12/89	150.00	-0.001	-0.050	-0.010	0.40	0.12	29.00	-0.01	0.41	0.010	-0.10	0.0050	21.4	-0.2	1.8	2.5
0516 A*	1/10/90	110.00	-0.001	-0.050	-0.010	0.42	-0.05	25.00	-0.10	0.35	-0.001	-0.10	0.0030	7.7	-0.2	-1.0	3.5
0516 A*	4/6/90	130.00	-0.001	-0.050	-0.010	0.35	-0.05	27.00	-0.10	0.34	-0.001	-0.10	0.0040	6.6	-0.2	-1.0	4.0
0516 A*	7/3/90	144.00	-0.001	-0.050	-0.010	0.25	-0.05	28.00	-0.10	0.45	0.001	-0.10	0.0029	6.3	-0.2	-1.0	3.0
0516 A*	10/9/90	80.30	-0.001	-0.050	-0.010	0.25	-0.05	21.90	-0.10	0.30	-0.001	-0.10	0.0035	7.9	-0.2	-1.0	4.0
0516 A*	1/15/91	42.60	-0.001	0.010	-0.010	0.24	-0.05	20.60	-0.10	0.32	-0.001	-0.10	0.0028	12.9	-0.2	-1.0	6.7
0516 A*	4/2/91	20.50	-0.001	-0.010	-0.010	0.19	-0.05	20.30	-0.10	0.26	-0.001	-0.10	0.0003	12.8	-0.2	3.3	6.0
0516 A*	7/17/91	12.30	-0.001	-0.010	-0.010	0.22	-0.05	18.70	-0.10	0.27	0.002	-0.10	0.0010	5.4	-0.2	-1.0	2.0
0516 A*	10/15/91	4.18	-0.001	-0.010	-0.010	0.18	-0.05	15.30	-0.10	0.22	0.002	-0.10	0.0040	10.8	-0.2	-1.0	1.0
0516 A*	1/15/92	22.20	-0.001	0.010	-0.010	0.21	-0.05	19.20	-0.10	0.29	0.063	-0.10	0.0630	11.3	-0.2	-1.0	2.0
0516 A*	4/8/92	11.40	0.002	0.010	-0.010	0.20	-0.05	15.80	-0.10	0.22	0.001	-0.10	0.0010	11.6	-0.2	-1.0	2.0
0516 A*	7/8/92	6.56	-0.001	-0.010	-0.010	0.17	-0.05	16.20	-0.10	0.21	-0.001	-0.10	0.0020	9.3	-0.2	2.6	2.5
0516 A*	10/7/92	29.30	-0.001	-0.010	-0.010	0.23	-0.05	18.00	-0.10	0.28	0.003	-0.10	-0.0003	10.0	-0.2	3.0	4.6
0516 A*	1/6/93	7.80	-0.001	0.010	0.010	0.41	-0.05	16.00	-0.10	0.37	0.009	-0.10	0.0050	7.1	-0.2	-1.0	3.9
0516 A*	4/6/93	2.90	-0.001	-0.010	-0.010	0.14	-0.05	13.00	-0.10	0.21	0.001	-0.10	0.0040	3.2	0.2	2.6	2.0
0516 A*	7/13/93	2.00	-0.001	-0.010	-0.010	0.13	-0.05	10.30	-0.10	0.17	0.005	-0.10	0.0030	5.7	-0.2	3.0	2.0
0516 A*	10/7/93	2.40	-0.001	-0.010	-0.010	0.18	-0.05	12.40	-0.10	0.22	0.002	-0.10	0.0070	7.7	-0.2	-1.0	4.0
0516 A*	1/6/94	2.87	-0.001	-0.010	-0.010	0.11	0.05	10.20	-0.10	0.15	-0.001	-0.10	0.0010	5.1	-0.2	-1.0	6.8
0516 A*	4/12/94	0.97	-0.001	-0.010	-0.010	0.08	-0.05	7.80	-0.10	0.14	0.001	-0.10	0.0030	8.4	0.2	1.5	11.3
0516 A*	7/20/94	0.46	-0.001	-0.010	-0.010	0.05	-0.05	4.95	-0.10	0.08	-0.001	-0.10	0.0110	6.9	-0.2	-1.0	8.6
0516 A*	10/4/94	-0.10	-0.001	-0.010	-0.010	0.01	-0.05	5.22	-0.10	-0.05	0.001	-0.10	0.0130	-5.3	0.2	3.4	4.5
0516 A*	1/4/95	0.24	-0.001	-0.010	-0.010	0.04	-0.05	4.74	-0.10	0.08	-0.001	-0.10	0.0100	4.3	-0.2	2.0	5.9
0516 A*	4/5/95	0.12	-0.001	-0.010	-0.010	-0.01	-0.05	3.74	-0.10	-0.05	0.001	-0.10	0.0160	3.6	-0.2	3.1	4.9
0516 A*	7/6/95	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	2.70	-0.10	-0.05	0.003	-0.10	0.0183	-1.9	0.2	-1.0	2.0
0516 A*	10/3/95	-0.10	0.001	-0.010	-0.010	-0.01	-0.05	2.54	-0.10	-0.05	0.001	-0.10	0.0256	-2.3	-0.2	-1.0	2.5
0516 A*	1/3/96	-0.10	0.001	-0.010	-0.010	-0.01	-0.05	2.34	-0.10	-0.05	-0.001	-0.10	0.0140	2.5	-0.2	1.7	2.7

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Well No.	Date	Water Elevation (ft AMSL)	Field pH (SU)	Lab pH (SU)	Lab TDS (mg/L)	Ca (mg/L)	Mg (mg/L)	Na (mg/L)	K (mg/L)	HCO_3 (mg/L)	SO_4 (mg/L)	Cl (mg/L)	NH_4 as N (mg/L)	NO_3 as N (mg/L)	Chloro-form (mg/L)	Naphtha-lene (mg/L)	Cyanide (mg/L)
	NRC Standard	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.001	0.001	0.005
	EPA Standard	NA	NA	NA	4,800	NA	NA	NA	NA	NA	2,125	250	NA	190	NA	NA	NA
0516 A*	4/2/96	6,904.10	6.4	7.29	11,345	527	1530	491	19.0	1,320	7,150	259.0	152.00	146.00	0.00209		
0516 A*	7/7/96	6,904.20	6.1	7.15	11,529	465	1480	485	19.6	1,309	6,190	240.0	150.00	134.00	0.00256		
0516 A*	10/1/96	6,903.80	6.4	6.93	11,500	494	1600	485	18.9	1,270	6,640	247.0	149.00	128.00	0.00213		
0516 A*	1/22/97	6,903.70	6.1	7.36	11,200	510	1560	481	20.5	1,420	6,760	241.0	155.00	110.00	0.00246		
0516 A*	4/8/97	6,902.20	6.3	7.57	11,500	457	1320	484	19.7	1,360	6,500	258.0	136.00	126.00	0.00206		
0516 A*	7/8/97	6,902.10	6.7	7.61	11,700	528	1580	507	19.7	1,360	7,120	271.0	135.00	124.00	0.00226		
0516 A*	10/7/97	6,901.40	6.3	7.45	11,600	516	1480	480	18.4	1,370	6,530	258.0	132.00	106.00	0.00250		
0516 A*	1/15/98	6,902.50	6.4	7.59	11,600	474	1450	493	20.2	1,370	7,100	293.0	129.00	137.00	0.00290		
0516 A*	4/7/98	6,901.40	6.2	7.39	11,800	450	1310	469	18.2	1,360	6,220	230.0	141.00	116.00	0.00300		
0516 A*	7/7/98	6,902.10	6.5	7.36	11,800	491	1450	492	18.5	1,380	6,500	257.0	145.00	117.00	0.00300		
0516 A*	10/6/98	6,902.10	6.3	7.66	11,800	478	1460	514	20.7	1,390	7,000	256.0	140.00	132.00	0.00290		
0516 A*	1/5/99	6,902.20	6.4	7.57	11,900	421	1400	446	19.2	1,350	7,100	259.0	152.00	103.00	0.00220		
0516 A*	4/6/99	6,902.40	6.3	7.28	11,900	456	1480	461	17.7	1,350	3,840	246.0	137.00	118.00	0.00180		
0516 A*	7/13/99	6,901.04	6.5	7.78	11,900	485	1540	518	24.9	1,370	6,920	254.0	137.00	106.00	0.00260		
0516 A*	10/5/99	6,900.00	6.4	7.71	11,900	553	1770	458	18.5	1,387	8,030	261.0	143.00	111.00	0.00270		
0516 A*	2/23/00	6,899.60	6.3	7.64	11,700	459	1520	408	18.1	1,290	6,590	228.0	137.00	113.00	0.00270		
0516 A*	6/21/00																
0516 A*	8/21/00																
0604*	4/3/89	6,917.80	3.9	4.37	6,418	470	650	217	10.7	0	4,736	68.3	8.90	18.40	-0.00100	-0.001	-0.005
0604*	7/23/89	6,917.20	3.9	4.04	6,697	454	707	251	11.6	0	3,891	21.4	6.39	31.00	-0.00100	-0.001	-0.005
0604*	10/12/89	6,916.40	3.9	4.11	6,728	428	644	235	14.6	0	4,407	33.7	6.05	39.00	-0.00100	-0.001	-0.005
0604*	1/10/90	6,915.80	3.9	4.06	6,602	444	691	291	13.7	0	4,325	23.1	6.70	33.00	-0.00100	-0.001	-0.005
0604*	4/5/90	6,914.90	4.2	4.20	6,806	455	670	240	11.6	0	4,352	33.4	6.80	43.00	-0.00100	-0.001	-0.005
0604*	7/3/90	6,914.60	4.0	4.24	6,824	461	662	240	9.6	0	4,321	26.8	5.38	50.90	-0.00100	-0.001	-0.005
0604*	10/3/90	6,914.80	4.1	4.11	6,616	453	628	264	13.3	0	4,290	31.1	3.27	44.00	-0.00100	-0.001	-0.005
0604*	1/15/91	6,914.30	4.1	4.21	6,802	475	710	265	15.2	0	4,627	31.6	5.48	52.00	-0.00100	-0.001	-0.005
0604*	4/2/91	6,914.50	4.2	4.51	6,380	432	659	215	11.1	0	4,923	33.0	4.60	56.50	-0.00100	-0.001	-0.005
0604*	7/17/91	6,914.40	4.0	4.46	6,949	408	624	218	11.1	0	5,307	28.4	5.34	51.40	-0.00100	-0.001	-0.005
0604*	10/15/91	6,914.40	3.9	4.26	6,909	432	570	275	12.5	0	4,502	34.7	7.86	47.30	-0.00100	-0.001	-0.005
0604*	1/15/92	6,914.20	3.8	4.11	6,837	414	702	222	10.0	0	4,554	31.6	3.70	35.40	-0.00100	-0.001	-0.005
0604*	4/8/92	6,914.10	3.8	4.24	7,106	454	654	252	12.2	0	4,691	40.8	3.75	41.40	-0.00100	-0.001	-0.005
0604*	7/8/92	6,914.00	3.7	4.22	6,654	495	610	285	12.3	0	4,669	33.3	3.94	49.20	-0.00100	-0.001	-0.005
0604*	10/7/92	6,913.50	4.1	4.04	7,185	447	702	273	15.1	0	4,860	35.5	3.80	15.70	-0.00100	-0.001	-0.005
0604*	1/6/93	6,913.30	4.3	4.45	5,855	411	642	236	12.0	0	4,042	56.3	2.09	88.60	0.00120	-0.001	-0.005
0604*	4/6/93	6,913.10	4.4	4.36	7,409	414	687	284	10.2	0	4,639	62.0	1.83	89.10	-0.00100	-0.001	-0.005
0604*	7/13/93	6,912.80	4.4	4.30	7,711	449	816	265	11.9	0	4,973	62.7	1.45	84.40	0.00100	-0.001	-0.005
0604*	10/7/93	6,912.30	4.5	4.24	6,891	475	785	250	10.8	0	4,744	47.6	1.07	91.80	-0.00100	-0.001	-0.005
0604*	1/6/94	6,912.40	4.3	4.32	7,520	450	691	243	10.3	0	4,543	52.6	1.19	97.60	0.00180		
0604*	4/12/94	6,912.10	4.4	4.39	7,215	423	729	254	10.2	0	4,838	51.6	2.70	90.70	-0.00100		
0604*	7/20/94	6,911.90	4.5	4.33	7,069	491	856	232	11.2	0	4,790	60.6	1.02	89.20	-0.00100		
0604*	10/4/94	6,911.40	4.5	4.38	7,504	493	837	280	11.6	0	4,935	60.0	1.61	92.50	-0.00100		
0604*	1/4/95	6,919.30	4.4	4.50	7,621	490	835	256	12.5	0	5,023	62.6	1.67	86.90	-0.00100		
0604*	4/5/95	6,919.20	4.5	4.50	7,614	475	850	260	12.0	1	4,870	53.0	1.97	92.50	-0.00100		

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Well No.	Date	Al (mg/L)	As (mg/L)	Be (mg/L)	Cd (mg/L)	Co (mg/L)	Pb (mg/L)	Mn (mg/L)	Mo (mg/L)	Ni (mg/L)	Se (mg/L)	V (mg/L)	U (mg/L)	Ra-226+ Ra-228 (pCi/L)	Th-230 (pCi/L)	Pb-210 (pCi/L)	Gross Alpha (pCi/L)
	NRC Standard	NA	0.05	0.05	0.01	NA	0.05	NA	NA	0.05	0.01	0.10	0.3	5.0	5.0	1.0	15.0
	EPA Standard	5.0	0.05	0.02	0.01	0.05	0.05	2.60	1.00	0.20	0.01	0.70	5.0	5.0	NA	NA	15.0
0516 A*	4/2/96	-0.10	0.002	-0.010	-0.010	-0.01	-0.05	2.10	-0.10	-0.05	-0.001	-0.10	0.0140	-1.8	-0.2	-1.0	1.4
0516 A*	7/7/96	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	2.00	-0.10	-0.05	-0.001	-0.10	0.0180	-1.7	-0.2	-1.0	-1.0
0516 A*	10/1/96	-0.10	-0.001	-0.010	-0.010	0.02	-0.05	2.20	-0.10	-0.05	0.002	-0.10	0.0130	-1.9	-0.2	-1.0	-1.0
0516 A*	1/22/97	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	1.79	-0.10	-0.05	-0.001	-0.10	0.0160	4.4	-0.2	-1.0	-1.0
0516 A*	4/8/97	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	1.77	-0.10	-0.05	0.078	-0.10	0.0160	5.2	-0.2	-1.0	-1.0
0516 A*	7/8/97	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	1.80	-0.10	-0.05	-0.001	-0.10	0.0150	-1.8	-0.2	-1.0	-1.0
0516 A*	10/7/97	-0.10	-0.001	-0.010	-0.010	0.02	-0.05	1.83	-0.10	-0.05	-0.001	-0.10	0.0150	-2.2	-0.2	-1.0	-1.0
0516 A*	1/15/98	-0.10	-0.001	-0.010	-0.005	-0.01	-0.05	2.03	-0.10	-0.05	-0.001	-0.10	0.0200	-2.1	-0.2	-1.0	-1.0
0516 A*	4/7/98	-0.10	-0.001	-0.010	-0.005	-0.01	-0.05	1.61	-0.10	-0.05	-0.001	-0.10	0.0190	-2.2	-0.2	-1.0	-1.0
0516 A*	7/7/98	-0.10	-0.001	-0.010	-0.005	0.02	-0.05	1.59	-0.10	-0.05	-0.001	-0.10	0.0181	-2.1	-0.2	-1.0	2.2
0516 A*	10/6/98	-0.10	-0.001	-0.010	-0.005	-0.01	-0.05	1.57	-0.10	-0.05	-0.001	-0.10	0.0211	2.7	-0.2	-1.0	-1.0
0516 A*	1/5/99	-0.10	-0.001	-0.010	-0.005	-0.01	-0.05	1.66	-0.10	-0.05	-0.001	-0.10	0.0189	2.7	-0.2	-1.0	-1.0
0516 A*	4/6/99	-0.10	-0.001	-0.010	-0.005	-0.01	-0.05	1.59	-0.10	-0.05	0.001	-0.10	0.0197	4.1	-0.2	-1.0	-1.0
0516 A*	7/13/99	-0.10	-0.001	-0.010	-0.005	-0.01	-0.05	1.67	-0.10	-0.05	0.001	-0.10	0.0199	-1.7	-0.2	-1.0	-1.0
0516 A*	10/5/99	-0.10	-0.001	-0.010	-0.005	-0.01	-0.05	2.11	-0.10	-0.05	-0.001	-0.10	0.0218	-1.7	-0.2	-1.0	1.4
0516 A*	2/23/00	-0.10	-0.001	-0.010	-0.005	0.02	-0.05	2.37	-0.10	-0.05	0.001	-0.10	0.0178	-2.2	-0.2	-1.0	1.2
0516 A*	6/21/00																
0516 A*	8/21/00																
0604*	4/3/89		-0.001	-0.050	-0.010		-0.05	26.00		0.38	0.004	-0.10	0.0018	25.6	41.0	-1.0	50.4
0604*	7/23/89	60.00	-0.001	-0.050	-0.010	0.31	-0.05	22.00	-0.10	0.39	-0.001	-0.10	0.0040	30.9	3.5	1.7	60.2
0604*	10/12/89	66.00	-0.001	-0.050	0.010	0.31	-0.05	22.00	-0.10	0.34	0.006	-0.10	0.0060	15.5	33.9	-1.0	41.7
0604*	1/10/90	58.00	-0.001	-0.050	-0.010	0.33	-0.05	22.00	-0.10	0.38	-0.001	-0.10	0.0050	13.6	1.7	2.8	6.5
0604*	4/5/90	59.00	-0.001	-0.050	-0.010	0.31	-0.05	19.00	-0.10	0.38	-0.001	-0.10	0.0006	14.0	-0.2	2.6	6.0
0604*	7/3/90	60.00	-0.001	-0.050	-0.010	0.21	-0.05	18.20	-0.10	0.34	-0.001	-0.10	0.0029	14.1	0.4	-1.0	8.0
0604*	10/3/90	77.20	-0.001	-0.050	-0.010	0.35	-0.05	22.70	-0.10	0.40	-0.001	-0.10	0.0030	26.1	-0.2	-1.0	6.0
0604*	1/15/91	61.80	-0.001	0.020	-0.010	0.39	-0.05	20.10	-0.10	0.44	-0.001	-0.10	0.0070	22.0	-0.2	2.3	9.1
0604*	4/2/91	45.30	-0.001	0.016	-0.010	0.23	-0.05	14.60	-0.10	0.38	-0.001	-0.10	0.0050	33.4	-0.2	1.3	15.0
0604*	7/17/91	70.95	-0.001	0.030	-0.010	0.30	-0.05	20.50	-0.10	0.41	-0.001	-0.10	0.0060	16.8	-0.2	2.1	4.0
0604*	10/15/91	58.60	-0.001	0.030	-0.010	0.36	-0.05	21.30	-0.10	0.41	-0.001	-0.10	0.0600	24.5	-0.2	-1.0	4.0
0604*	1/15/92	57.10	-0.001	0.020	-0.010	0.34	-0.05	20.50	-0.10	0.41	0.013	-0.10	0.0601	24.5	-0.2	-1.0	4.0
0604*	4/8/92	52.40	0.003	0.020	-0.010	0.36	-0.05	17.80	-0.10	0.40	-0.001	-0.10	0.0030	19.9	-0.2	1.2	3.8
0604*	7/8/92	73.20	0.001	0.029	-0.010	0.37	-0.05	21.80	-0.10	0.50	-0.001	-0.10	0.0050	17.3	-0.2	3.4	3.8
0604*	10/7/92	66.20	-0.001	-0.010	-0.010	0.37	-0.05	19.90	-0.10	0.42	-0.001	-0.10	0.0040	18.4	-0.2	1.9	6.9
0604*	1/6/93	45.10	0.002	0.010	-0.010	0.36	-0.05	14.50	-0.10	0.44	0.006	-0.10	0.0090	13.3	-0.2	-1.0	6.1
0604*	4/6/93	45.50	-0.001	0.022	-0.010	0.37	-0.05	14.50	-0.10	0.49	0.002	-0.10	0.0060	15.3	-0.2	1.7	3.8
0604*	7/13/93	39.10	-0.001	-0.010	-0.010	0.35	-0.05	14.20	-0.10	0.62	0.002	-0.10	0.0003	9.3	-0.2	3.1	3.2
0604*	10/7/93	30.00	-0.001	0.017	-0.010	0.36	-0.05	13.50	-0.10	0.43	-0.001	-0.10	0.0059	7.9	0.2	-1.0	9.0
0604*	1/6/94	47.80	-0.001	0.020	-0.010	0.37	-0.05	13.00	-0.10	0.43	-0.001	-0.10	0.0030	13.9	-0.2	2.3	18.9
0604*	4/12/94	39.40	-0.001	0.020	-0.010	0.28	-0.05	14.10	-0.10	0.41	-0.001	-0.10	0.0040	15.7	-0.2	2.3	24.9
0604*	7/20/94	27.20	-0.001	-0.010	-0.010	0.30	-0.05	9.63	-0.10	0.39	-0.001	-0.10	0.0030	23.0	-0.2	-1.0	29.7
0604*	10/4/94	41.80	-0.001	-0.010	-0.010	0.40	-0.05	12.90	-0.10	0.57	-0.001	-0.10	0.0060	10.6	-0.2	3.8	13.5
0604*	1/4/95	26.10	-0.001	0.010	-0.010	0.32	-0.05	10.40	-0.10	0.42	-0.001	-0.10	0.0040	12.8	-0.2	-1.0	16.8
0604*	4/5/95	30.50	-0.001	-0.010	-0.010	-0.01	-0.05	12.00	-0.10	0.50	-0.001	-0.10	0.0040	12.6	-0.2	4.0	16.6

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TABLE D.1

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Well No.	Date	Water Elevation (ft AMSL)	Field pH (SU)	Lab pH (SU)	Lab TDS (mg/L)	Ca (mg/L)	Mg (mg/L)	Na (mg/L)	K (mg/L)	HCO_3 (mg/L)	SO_4 (mg/L)	Cl (mg/L)	NH_4 as N (mg/L)	NO_3 as N (mg/L)	Chloro-form (mg/L)	Naphtha-lene (mg/L)	Cyanide (mg/L)
	NRC Standard	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.001	0.001	0.005
	EPA Standard	NA	NA	NA	4,800	NA	NA	NA	NA	NA	2,125	250	NA	190	NA	NA	NA
0604*	7/6/95	6,919.10	4.5	4.42	6,741	455	760	260	11.5	0	4,650	60.2	1.83	87.70	-0.00100		
0604*	10/3/95	6,911.50	4.6	4.49	7,616	496	877	279	11.5	0	5,010	58.0	1.19	87.60	-0.00100		
0604*	1/3/96	6,911.20	4.7	4.43	7,223	440	827	277	11.8	0	4,760	54.5	0.20	96.10	-0.00100		
0604*	4/2/96	6,911.30	4.7	4.58	7,638	497	920	260	12.0	3	5,180	64.2	0.15	100.00	-0.00100		
0604*	7/7/96	6,910.60	4.4	4.48	7,742	452	816	262	12.4	0	4,610	64.3	0.24	83.20	-0.00100		
0604*	10/1/96	6,910.30	4.8	4.52	7,690	464	850	265	12.3	1	4,708	57.9	0.36	88.70	-0.00100		
0604*	1/22/97	6,910.20	4.8	4.61	7,560	441	897	262	12.4	4	4,830	57.0	0.21	74.90	-0.00100		
0604*	4/8/97	6,909.90	4.6	4.56	7,650	539	458	170	8.0	3	3,370	45.0	0.19	87.90	-0.00100		
0604*	7/8/97	6,910.00	5.5	4.60	7,740	496	904	275	12.9	3	5,050	69.2	0.21	83.80	-0.00100		
0604*	10/7/97	6,909.60	4.5	4.63	7,590	489	868	261	12.4	5	4,790	62.1	0.38	77.30	-0.00100		
0604*	1/15/98	6,910.40	4.7	4.61	7,530	474	847	271	13.0	3	5,100	75.1	0.79	89.80	-0.00100		
0604*	4/7/98	6,909.70	4.5	4.73	7,570	489	773	255	11.8	7	4,300	60.9	0.35	87.40	-0.00100		
0604*	7/7/98	6,908.90	4.9	4.64	7,600	471	860	274	12.5	4	4,600	61.5	0.46	80.70	-0.00100		
0604*	10/6/98	6,908.90	4.6	4.63	7,760	463	874	287	13.7	4	4,880	61.6	0.78	89.30	-0.00100		
0604*	1/5/99	6,908.90	4.7	4.60	7,830	420	851	257	12.7	3	5,100	64.9	0.45	70.70	-0.00100		
0604*	4/6/99	6,908.40	4.6	4.69	7,980	446	893	259	12.2	5	4,740	62.7	0.83	92.40	-0.00100		
0604*	7/13/99	6,907.80	4.6	4.61	8,030	479	964	292	16.3	3	5,120	55.3	0.57	73.20	-0.00100		
0604*	10/5/99	6,908.60	4.4	4.64	8,150	523	1120	280	12.5	4	6,000	50.9	0.53	58.60	-0.00100		
0604*	2/22/00	6,908.20	4.6	4.64	8,180	397	883	231	12.8	4	4,500	41.9	0.24	67.90	-0.00100		
0604*	6/4/00	6,909.00	4.6	4.75	7,500	416	808	264	14.2	6	4,300	56.5	0.13	84.60	0.00140		
0604*	8/11/00	6,908.80	4.6	4.67	7,380	460	837	258	11.9	5	4,470	53.7	0.33	90.20	0.00240		
0614*	4/3/89	6,930.20	6.6	6.97	6,306	724	643	406	6.8	1,763	2,896	370.0	33.30	112.00	0.01100	-0.001	0.031
0614*	7/23/89	6,929.30	6.6	6.84	6,868	697	672	491	9.8	1,501	3,485	381.0	51.00	99.00	0.08200	-0.001	-0.005
0614*	10/12/89	6,929.00	6.5	6.98	6,734	624	612	479	11.6	1,540	3,002	377.0	38.60	126.00	0.05900	-0.001	-0.005
0614*	1/10/90	6,928.00	6.4	6.80	6,892	609	640	491	10.6	1,586	3,121	359.0	69.00	108.00	0.10000	-0.001	-0.005
0614*	4/5/90	6,927.50	6.4	7.06	6,877	622	680	492	11.2	1,632	3,277	350.0	94.00	107.00	0.16400	-0.001	-0.005
0614*	7/3/90	6,926.60	6.3	6.86	6,754	640	619	429	10.9	1,492	2,996	341.0	111.00	151.00	0.15200	-0.001	-0.005
0614*	10/3/90	6,926.30	6.3	7.23	6,567	585	577	507	14.1	1,362	2,894	334.0	76.60	106.00	0.17600	-0.001	-0.005
0614*	1/15/91	6,926.40	6.4	6.96	6,633	647	623	478	9.6	1,412	3,253	322.0	68.00	125.00	0.17000	-0.001	-0.005
0614*	4/2/91	6,926.20	6.4	7.18	6,539	619	495	420	10.1	1,257	3,165	322.0	78.30	131.00	0.25400	-0.001	-0.005
0614*	7/17/91	6,925.90	6.4	7.49	6,970	573	551	443	9.7	1,680	3,645	327.0	69.40	169.00	0.38000	-0.001	-0.005
0614*	10/15/91	6,925.30	6.3	7.15	7,145	664	526	418	10.0	1,515	3,239	313.0	53.80	119.00	0.36100	-0.001	-0.005
0614*	1/15/92	6,925.20	6.3	7.34	7,026	584	645	449	10.1	1,268	3,376	287.0	94.90	123.00	0.52500	-0.001	-0.005
0614*	4/8/92	6,925.10	6.3	7.48	7,207	691	601	486	10.8	1,568	3,603	279.0	101.00	70.20	0.47100	-0.001	-0.005
0614*	7/8/92	6,924.80	6.2	7.51	6,583	697	496	640	11.3	1,512	3,249	274.0	79.80	116.00	0.30300	-0.001	-0.005
0614*	10/7/92	6,924.70	6.4	8.08	6,914	661	577	566	12.9	803	3,248	273.0	48.60	15.80	0.42600	-0.001	-0.005
0614*	1/6/93	6,924.50	6.4	7.04	6,464	626	563	487	10.8	1,459	3,008	270.0	86.10	117.00	0.52700	-0.001	-0.005
0614*	4/6/93	6,924.40	6.5	7.26	7,340	616	607	521	10.1	1,620	3,518	288.0	97.40	47.50	0.40000	-0.001	-0.005
0614*	7/13/93	6,923.90	6.5	7.11	7,485	651	607	506	10.7	1,454	3,370	262.0	103.00	146.00	0.55300	-0.001	-0.005
0614*	10/7/93	6,923.60	6.7	6.95	7,439	642	660	476	10.8	1,431	3,505	244.0	105.00	166.00	0.66700	-0.001	-0.005
0614*	1/6/94	6,923.40	6.7	7.14	7,380	594	565	485	10.0	1,221	3,435	242.0	91.40	192.00	0.61700		
0614*	4/12/94	6,923.10	6.6	6.96	7,496	576	650	446	11.5	1,174	3,743	242.0	142.00	170.00	0.86600		
0614*	7/20/94	6,922.70	6.5	7.28	7,490	641	748	425	13.5	1,322	4,076	231.0	140.00	140.00	0.79900		

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TABLE D.1

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Well No.	Date	Al (mg/L)	As (mg/L)	Be (mg/L)	Cd (mg/L)	Co (mg/L)	Pb (mg/L)	Mn (mg/L)	Mo (mg/L)	Ni (mg/L)	Se (mg/L)	V (mg/L)	U (mg/L)	Ra-226+ Ra-228 (pCi/L)	Th-230 (pCi/L)	Pb-210 (pCi/L)	Gross Alpha (pCi/L)
	NRC Standard	NA	0.05	0.05	0.01	NA	0.05	NA	NA	0.05	0.01	0.10	0.3	5.0	5.0	1.0	15.0
	EPA Standard	5.0	0.05	0.02	0.01	0.05	0.05	2.60	1.00	0.20	0.01	0.70	5.0	5.0	NA	NA	15.0
0604*	7/6/95	32.00	-0.001	0.020	-0.010	0.35	-0.05	2.61	-0.10	0.40	-0.001	-0.10	0.0035	9.5	-0.2	-1.0	15.3
0604*	10/3/95	25.10	0.002	-0.010	-0.010	0.32	-0.05	11.10	-0.10	0.38	0.031	-0.10	0.0046	22.4	-0.2	-1.0	15.5
0604*	1/3/96	26.20	-0.001	-0.010	-0.010	0.04	-0.05	12.00	-0.10	-0.05	0.031	-0.10	0.0034	5.3	-0.2	2.8	9.0
0604*	4/2/96	22.00	-0.001	-0.010	-0.010	0.32	-0.05	10.80	-0.10	0.36	-0.001	-0.10	-0.0003	9.0	-0.2	-1.0	5.3
0604*	7/7/96	26.30	-0.001	-0.010	-0.010	0.36	-0.05	12.70	-0.10	0.41	-0.001	-0.10	0.0034	-3.5	-0.2	-1.0	3.1
0604*	10/1/96	24.90	-0.001	-0.010	-0.010	0.35	-0.05	11.40	-0.10	0.42	0.002	-0.10	0.0011	9.7	-0.2	-1.0	3.3
0604*	1/22/97	21.10	0.002	0.010	-0.010	0.36	-0.05	11.40	-0.10	0.40	-0.001	-0.10	0.0040	11.3	-0.2	-1.0	4.7
0604*	4/8/97	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	1.87	-0.10	-0.05	0.038	-0.10	0.0030	12.0	-0.2	-1.0	19.8
0604*	7/8/97	21.40	-0.001	0.010	-0.010	0.35	-0.05	12.40	-0.10	0.38	-0.001	-0.10	0.0030	9.5	-0.2	-1.0	4.0
0604*	10/7/97	21.90	-0.001	0.010	-0.010	0.40	-0.05	12.60	-0.10	0.43	-0.001	-0.10	0.0040	6.1	-0.2	-1.0	4.6
0604*	1/15/98	18.10	-0.001	0.010	0.006	0.37	-0.05	11.80	-0.10	0.41	-0.001	-0.10	0.0030	8.1	-0.2	-1.0	3.1
0604*	4/7/98	16.90	-0.001	0.010	0.007	0.34	-0.05	10.70	-0.10	0.39	-0.001	-0.10	0.0031	10.3	-0.2	-1.0	4.6
0604*	7/7/98	20.80	-0.001	0.010	0.006	0.36	-0.05	12.50	-0.10	0.41	-0.001	-0.10	0.0031	5.9	-0.2	-1.0	3.7
0604*	10/6/98	18.70	-0.001	0.010	0.006	0.37	-0.05	12.00	-0.10	0.45	-0.001	-0.10	0.0078	6.5	-0.2	-1.0	3.4
0604*	1/5/99	20.20	-0.001	0.010	0.011	0.37	-0.05	12.80	-0.10	0.40	-0.001	-0.10	0.0033	9.8	-0.2	-1.0	4.3
0604*	4/6/99	20.40	-0.001	0.010	0.015	0.41	-0.05	12.60	-0.10	0.44	-0.001	-0.10	0.0034	11.8	-0.2	-1.0	3.2
0604*	7/13/99	15.70	-0.001	0.010	0.009	0.42	-0.05	14.00	-0.10	0.62	-0.001	-0.10	0.0071	8.2	-0.2	-1.0	3.7
0604*	10/5/99	27.00	-0.001	-0.010	0.015	0.53	-0.05	16.10	-0.10	0.46	-0.001	-0.10	0.0033	5.4	-0.2	-1.0	4.3
0604*	2/22/00	20.00	-0.001	0.010	0.010	0.38	-0.05	11.20	-0.10	0.46	-0.001	-0.10	0.0032	8.3	-0.2	-1.0	4.7
0604*	6/4/00	6.50	-0.001	-0.010	0.022	0.23	-0.05	8.81	-0.10	0.26	-0.001	-0.10	0.0027	10.9	-0.2	-1.0	4.8
0604*	8/11/00	14.50	-0.001	0.010	0.011	0.31	-0.05	10.10	-0.10	0.31	-0.001	-0.10	0.0022	8.5	-0.2	-1.0	4.2
0614*	4/3/89		-0.001	-0.050	-0.010		-0.05	0.07		-0.05	0.003	-0.10	0.0668	-2.2	-0.2	-1.0	3.0
0614*	7/23/89	-0.10	-0.001	-0.050	-0.010	-0.01	-0.05	0.13	-0.10	-0.05	0.003	-0.10	0.0624	6.3	0.6	-1.0	8.9
0614*	10/12/89	0.18	-0.001	-0.050	-0.010	-0.01	-0.05	0.08	-0.01	-0.05	0.020	-0.10	0.0640	5.5	-0.2	2.1	1.5
0614*	1/10/90	-0.10	-0.001	-0.050	0.010	-0.01	-0.05	0.06	-0.10	-0.05	0.002	-0.10	0.0640	-1.6	-0.2	-1.0	0.9
0614*	4/5/90	-0.10	-0.001	-0.050	-0.010	-0.01	-0.05	0.09	-0.10	-0.05	0.003	-0.10	0.0450	-2.0	-0.2	-1.0	1.7
0614*	7/3/90	0.13	-0.001	-0.050	-0.010	-0.01	-0.05	0.07	-0.10	-0.05	0.002	-0.10	0.0611	2.5	-0.2	-1.0	-1.0
0614*	10/3/90	0.10	0.005	-0.050	-0.010	-0.01	-0.05	0.08	-0.10	-0.05	-0.001	-0.10	0.0360	3.4	-0.2	-1.0	-1.0
0614*	1/15/91	0.20	-0.001	-0.010	-0.010	-0.01	-0.05	0.09	-0.10	-0.05	0.001	-0.10	0.0425	-2.9	-0.2	1.3	2.3
0614*	4/2/91	0.11	-0.001	-0.010	-0.010	-0.02	-0.05	0.08	-0.10	-0.05	-0.002	-0.10	0.0589	4.5	2.2	1.3	3.0
0614*	7/17/91	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	0.10	-0.10	-0.05	0.002	-0.10	0.0640	-1.5	-0.2	-1.0	-1.0
0614*	10/15/91	-0.10	0.001	-0.010	-0.010	-0.01	-0.05	0.11	-0.10	-0.05	0.003	-0.10	0.0760	6.1	-0.2	-1.0	-1.0
0614*	1/15/92	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	0.12	-0.10	-0.05	0.059	-0.10	0.0390	-1.4	-0.2	-1.0	-1.0
0614*	4/8/92	-0.10	0.003	-0.010	-0.010	-0.01	-0.05	0.14	-0.10	-0.05	0.004	-0.10	0.0510	4.8	-0.2	-1.0	-1.0
0614*	7/8/92	-0.10	0.001	-0.010	-0.010	-0.01	-0.05	0.17	-0.10	-0.05	0.003	-0.10	0.0500	4.4	-0.2	-1.0	1.1
0614*	10/7/92	0.10	-0.001	-0.010	-0.010	-0.01	-0.05	0.15	-0.10	-0.05	0.005	-0.10	0.0780	5.6	-0.2	1.9	1.8
0614*	1/6/93	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	0.19	-0.10	-0.05	0.012	-0.10	0.0820	5.1	-0.2	-1.0	3.9
0614*	4/6/93	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	0.24	-0.10	-0.05	0.003	-0.10	0.0720	7.0	-0.2	1.0	2.1
0614*	7/13/93	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	0.16	-0.10	-0.05	0.008	-0.10	0.0660	4.8	-0.2	2.3	1.9
0614*	10/7/93	-0.10	-0.001	-0.010	-0.010	0.02	-0.05	0.17	-0.10	-0.05	0.002	-0.10	0.0370	1.8	-0.2	1.8	2.9
0614*	1/6/94	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	0.17	-0.10	-0.05	-0.001	-0.10	0.0480	2.6	-0.2	-1.0	2.6
0614*	4/12/94	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	0.21	-0.10	-0.05	0.004	-0.10	0.0520	-2.5	0.2	5.2	1.7
0614*	7/20/94	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	0.24	-0.10	-0.05	0.001	-0.10	0.0540	4.7	-0.2	-1.0	3.8

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TABLE D.1

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Well No.	Date	Water Elevation (ft AMSL)	Field pH (SU)	Lab pH (SU)	Lab TDS (mg/L)	Ca (mg/L)	Mg (mg/L)	Na (mg/L)	K (mg/L)	HCO_3 (mg/L)	SO_4 (mg/L)	Cl (mg/L)	NH_4 as N (mg/L)	NO_3 as N (mg/L)	Chloro-form (mg/L)	Naphtha-lene (mg/L)	Cyanide (mg/L)
	NRC Standard	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.001	0.001	0.005
	EPA Standard	NA	NA	NA	4,800	NA	NA	NA	NA	NA	2,125	250	NA	190	NA	NA	NA
0614*	10/4/94	6,922.60	6.6	7.54	7,700	642	750	519	14.4	1,465	4,430	246.0	170.00	149.00	0.82900		
0614*	1/4/95	6,922.30	6.5	7.38	7,628	606	636	446	15.2	1,330	4,176	237.0	213.00	155.00	0.52000		
0614*	4/4/95	6,922.00	6.5	6.90	7,731	604	654	451	15.0	1,370	4,048	277.0	183.00	171.00	0.75600		
0614*	7/6/95	6,922.40	6.5	7.93	7,816	565	685	440	15.4	1,331	4,000	241.0	227.00	154.00	0.58500		
0614*	10/3/95	6,921.30	6.5	7.71	7,857	560	690	445	16.0	1,357	4,040	205.0	222.00	179.00	0.63800		
0614*	1/3/96	6,921.10	6.6	7.20	7,886	543	750	470	17.7	1,352	4,260	204.0	234.00	179.00	0.58300		
0614*	4/2/96	6,920.60	6.5	7.92	7,896	605	852	442	17.2	1,286	4,780	221.0	262.00	182.00	0.62400		
0614*	7/7/96	6,920.30	6.3	6.99	8,045	537	750	432	18.5	1,313	4,210	238.0	243.00	181.00	0.58700		
0614*	10/1/96	6,919.70	6.5	6.89	8,120	574	805	436	18.4	1,320	4,394	223.0	288.00	189.00	0.59800		
0614*	1/21/97	6,919.80	6.0	7.01	7,850	555	800	437	18.8	1,272	4,355	201.0	290.00	188.00	0.63500		
0614*	4/8/97	6,919.00	6.6	7.79	7,970	531	760	428	18.7	1,280	4,360	218.0	271.00	226.00	0.48200		
0614*	7/8/97	6,918.60	6.8	7.81	8,100	594	841	449	18.6	1,290	4,520	233.0	264.00	223.00	0.44400		
0614*	10/7/97	6,918.30	6.4	7.62	7,930	602	816	420	16.9	1,320	4,170	252.0	253.00	200.00	0.46100		
0614*	1/15/98	6,917.80	6.9	8.01	7,980	558	775	446	17.0	1,330	4,200	267.0	225.00	214.00	0.28900		
0614*	4/7/98	6,917.70	6.8	7.72	7,930	516	739	447	14.0	1,440	3,740	218.0	170.00	162.00	0.37700		
0614*	7/7/98	6,917.10	6.8	7.96	7,990	579	823	466	14.0	1,490	3,800	261.0	171.00	202.00	0.39200		
0614*	10/6/98	6,916.90	7.2	7.87	7,730	563	822	496	12.2	1,380	4,050	261.0	100.00	115.00	0.17600		
0614*	1/5/99	6,916.20	6.9	7.86	7,900	551	786	434	9.9	1,520	4,000	262.0	81.20	85.50	0.25500		
0614*	4/6/99	6,916.20	6.7	7.90	7,910	552	844	436	10.2	1,590	3,780	261.0	71.50	81.30	0.25800		
0614*	7/13/99	6,915.51	7.0	7.73	7,680	605	891	439	12.7	1,280	4,000	239.0	58.10	90.70	0.18800		
0614*	10/5/99	6,915.30	6.8	7.84	7,710	632	961	430	10.8	1,362	4,410	248.0	58.00	83.00	0.27800		
0614*	2/22/00	6,915.10	6.8	8.07	7,650	510	770	358	11.5	1,470	3,430	217.0	65.10	97.40	0.22600		
0614*	6/4/00	6,914.60	6.5	7.56	7,600	514	784	405	15.7	1,450	3,620	236.0	87.00	114.00	0.38300		
0614*	7/11/00	6,914.40	6.5	7.53	7,600	560	830	426	13.8	1,430	3,760	229.0	93.10	109.00	0.21500		
0619	4/3/89	6,887.90	6.8	7.76	5,148	551	563	157	8.2	238	3,729	19.2	0.55	0.39	-0.00100	-0.001	-0.005
0619	7/23/89	6,888.10	6.6	6.50	5,513	593	596	184	8.4	176	3,852	35.0	0.61	0.34	-0.00100	-0.001	-0.005
0619	10/12/89	6,888.20	6.7	7.28	5,086	486	491	158	11.1	229	3,251	36.6	0.44	1.56	-0.00100	-0.001	-0.005
0619	1/10/90	6,887.60	6.5	7.08	5,278	505	539	168	8.8	206	3,360	40.5	0.74	1.01	-0.00100	-0.001	-0.005
0619	4/6/90	6,887.60	6.8	6.92	4,840	527	512	150	8.8	251	2,966	38.5	0.69	0.22	-0.00100	-0.001	-0.005
0619	7/3/90	6,887.00	6.5	7.32	5,020	527	478	151	7.8	234	3,160	34.2	0.27	0.09	-0.00100	-0.001	-0.005
0619	10/3/90	6,886.90	6.7	7.21	4,526	487	392	147	10.1	254	2,738	36.6	0.13	-0.01	-0.00100	-0.001	-0.005
0619	1/15/91	6,887.20	6.5	6.59	5,538	572	611	185	12.1	176	3,616	41.4	0.54	0.18	-0.00100	-0.001	-0.005
0619	4/2/91	6,887.60	6.4	6.50	5,610	479	459	172	8.0	184	3,589	43.1	0.63	1.00	-0.00100	-0.001	-0.005
0619	7/17/91	6,888.10	6.4	7.15	5,446	452	471	168	7.9	195	3,882	43.7	0.68	0.17	-0.00100	-0.001	-0.005
0619	10/15/91	6,888.50	6.4	7.02	5,399	540	508	189	7.6	165	3,520	44.8	0.63	0.17	-0.00100	-0.001	-0.005
0619	1/15/92	6,888.60	6.4	7.34	5,182	455	544	177	7.8	231	3,398	53.5	1.20	0.87	-0.00100	-0.001	-0.005
0619	4/8/92	6,888.60	6.4	6.52	5,323	537	466	204	9.4	180	3,504	41.8	0.82	-0.10	-0.00100	-0.001	-0.005
0619	7/8/92	6,888.70	6.3	7.64	5,017	500	548	302	12.9	175	3,863	41.7	1.04	3.70	-0.00100	-0.001	-0.005
0619	10/7/92	6,889.00	6.5	7.26	5,257	538	499	222	10.2	168	3,427	39.5	0.59	5.20	-0.00100	-0.001	-0.005
0619	1/6/93	6,889.30	6.5	7.06	5,176	563	507	315	12.6	166	3,487	252.0	0.13	51.80	0.00100	-0.001	0.005
0619	4/6/93	6,889.70	6.6	7.14	5,314	487	439	213	7.0	272	3,359	46.6	0.68	0.60	-0.00100	-0.001	-0.005
0619	7/13/93	6,889.60	6.6	6.66	5,057	531	471	200	8.1	190	3,310	46.2	0.66	0.29	0.00100	-0.001	-0.005
0619	10/7/93	6,889.50	6.5	6.57	4,615	512	460	188	7.4	165	3,207	43.5	0.50	-0.10	-0.00100	-0.001	-0.005

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TABLE D.1

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Well No.	Date	Al (mg/L)	As (mg/L)	Be (mg/L)	Cd (mg/L)	Co (mg/L)	Pb (mg/L)	Mn (mg/L)	Mo (mg/L)	Ni (mg/L)	Se (mg/L)	V (mg/L)	U (mg/L)	Ra-226+ Ra-228 (pCi/L)	Th-230 (pCi/L)	Pb-210 (pCi/L)	Gross Alpha (pCi/L)
	NRC Standard	NA	0.05	0.05	0.01	NA	0.05	NA	NA	0.05	0.01	0.10	0.3	5.0	5.0	1.0	15.0
	EPA Standard	5.0	0.05	0.02	0.01	0.05	0.05	2.60	1.00	0.20	0.01	0.70	5.0	5.0	NA	NA	15.0
0614*	10/4/94	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	0.41	-0.10	-0.05	-0.001	-0.10	0.0590	3.0	-0.2	-1.0	4.1
0614*	1/4/95	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	0.23	-0.10	-0.05	-0.001	-0.10	0.0400	4.2	-0.2	-1.0	5.6
0614*	4/4/95	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	0.33	-0.10	-0.05	0.001	-0.10	0.0440	4.1	-0.2	-1.0	5.7
0614*	7/6/95	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	0.30	-0.10	-0.05	0.003	-0.10	0.0520	15.6	0.5	-1.0	22.8
0614*	10/3/95	-0.10	0.003	-0.010	-0.010	-0.01	-0.05	0.31	-0.10	-0.05	-0.001	-0.10	0.0450	2.0	-0.2	1.7	6.2
0614*	1/3/96	-0.10	0.002	-0.010	-0.010	-0.01	-0.05	0.35	-0.10	-0.05	-0.001	-0.10	0.0470	7.2	0.7	1.5	12.0
0614*	4/2/96	-0.10	0.003	-0.010	-0.010	-0.01	-0.05	0.32	-0.10	-0.05	-0.001	-0.10	0.0500	4.6	-0.2	-1.0	3.5
0614*	7/7/96	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	0.37	-0.10	-0.05	-0.001	-0.10	0.0530	-5.9	-0.2	-1.0	5.3
0614*	10/1/96	0.60	-0.001	-0.010	-0.010	-0.01	-0.05	0.41	-0.10	-0.05	0.002	-0.10	0.0440	-2.6	-0.2	-1.0	2.1
0614*	1/21/97	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	0.41	-0.10	-0.05	-0.001	-0.10	0.0380	4.7	-0.2	-1.0	-1.0
0614*	4/8/97	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	0.39	-0.10	-0.05	0.074	-0.10	0.0490	11.4	-0.2	-1.0	20.4
0614*	7/8/97	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	0.42	-0.10	-0.05	-0.001	-0.10	0.0430	-2.5	-0.2	-1.0	-1.0
0614*	10/7/97	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	0.47	-0.10	-0.05	-0.001	-0.10	0.0510	8.1	-0.2	-1.0	7.8
0614*	1/15/98	-0.10	-0.001	-0.010	-0.005	-0.01	-0.05	0.44	-0.10	-0.05	-0.001	-0.10	0.0590	-2.4	-0.2	-1.0	-1.0
0614*	4/7/98	-0.10	-0.001	-0.010	-0.005	-0.01	-0.05	0.32	-0.10	-0.05	-0.001	-0.10	0.0600	-3.2	-0.2	-1.0	-1.0
0614*	7/7/98	-0.10	-0.001	-0.010	-0.005	-0.01	-0.05	0.34	-0.10	-0.05	-0.001	-0.10	0.0631	-3.3	0.2	-1.0	2.3
0614*	10/6/98	-0.10	-0.001	-0.010	-0.005	-0.01	-0.05	0.26	-0.10	-0.05	-0.001	-0.10	0.0732	-1.6	-0.2	-1.0	-1.0
0614*	1/5/99	-0.10	-0.001	-0.010	-0.005	-0.01	-0.05	0.23	-0.10	-0.05	-0.001	-0.10	0.0682	2.3	-0.2	-1.0	-1.0
0614*	4/6/99	-0.10	-0.001	-0.010	-0.005	-0.01	-0.05	0.26	-0.10	-0.05	0.001	-0.10	0.0641	8.5	-0.2	5.2	3.3
0614*	7/13/99	-0.10	-0.001	-0.010	-0.005	-0.01	-0.05	0.23	-0.10	-0.05	0.001	-0.10	0.0672	2.1	-0.2	-1.0	-1.0
0614*	10/5/99	-0.10	-0.001	-0.010	-0.005	-0.01	-0.05	0.25	-0.10	-0.05	-0.001	-0.10	0.0010	-5.8	-0.2	-1.0	6.8
0614*	2/22/00	-0.10	-0.001	-0.010	-0.005	-0.01	-0.05	0.24	-0.10	-0.05	0.001	-0.10	0.0579	4.9	0.2	-1.0	4.3
0614*	6/4/00	-0.10	-0.001	-0.010	-0.005	-0.01	-0.05	0.34	-0.10	-0.05	-0.001	-0.10	0.0678	6.7	-0.2	-1.0	7.0
0614*	7/11/00	-0.10	-0.001	-0.010	-0.005	-0.01	-0.05	0.22	-0.10	-0.05	-0.001	-0.10	0.0542	4.1	-0.2	-1.0	-1.0
0619	4/3/89		-0.001	-0.050	-0.010		-0.05	1.90		-0.05	-0.001	-0.10	0.0067	-1.9	1.4	-1.0	2.3
0619	7/23/89	-0.10	-0.001	-0.050	-0.010	-0.01	-0.05	2.00	-0.10	-0.05	-0.001	-0.10	0.0034	6.2	4.9	-1.0	9.1
0619	10/12/89	-0.10	-0.001	-0.050	-0.010	0.02	-0.05	1.30	-0.10	-0.05	-0.001	-0.10	0.0110	3.3	-0.2	1.0	1.7
0619	1/10/90	-0.10	-0.001	-0.050	-0.010	0.03	-0.05	1.40	-0.10	-0.05	-0.001	-0.10	0.0090	3.1	0.2	-1.0	1.5
0619	4/6/90	-0.10	-0.001	-0.050	-0.010	-0.01	-0.05	1.00	-0.10	-0.05	0.001	-0.10	0.0090	3.7	-0.2	1.0	2.5
0619	7/3/90	-0.10	-0.001	-0.050	-0.010	0.01	-0.05	1.23	-0.10	-0.05	-0.001	-0.10	0.0068	-2.7	0.5	-1.0	2.0
0619	10/3/90	-0.10	-0.001	-0.050	-0.010	0.03	-0.05	0.89	-0.10	-0.05	-0.001	-0.10	0.0080	4.0	-0.2	-1.0	-1.0
0619	1/15/91	-0.10	-0.001	-0.010	0.010	-0.01	-0.05	2.50	-0.10	-0.05	-0.001	-0.10	0.0050	7.3	0.2	2.5	3.1
0619	4/2/91	0.12	-0.001	-0.010	-0.010	0.01	-0.05	2.01	-0.10	-0.05	-0.001	-0.10	0.0050	5.0	0.2	1.0	2.0
0619	7/17/91	-0.10	-0.001	-0.010	-0.010	0.01	-0.05	-0.01	-0.10	-0.05	-0.001	-0.10	0.0040	2.1	0.2	1.6	1.0
0619	10/15/91	0.27	0.001	-0.010	-0.010	-0.01	-0.05	2.22	-0.10	-0.05	0.001	-0.10	0.0090	5.2	-0.2	-1.0	-1.0
0619	1/15/92	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	1.82	-0.10	-0.05	0.003	-0.10	0.0070	2.4	0.2	-1.0	1.0
0619	4/8/92	-0.10	0.002	-0.010	-0.010	-0.01	-0.05	1.92	-0.10	-0.05	0.001	-0.10	0.0060	2.5	0.2	-1.0	-1.0
0619	7/8/92	0.14	-0.001	-0.010	-0.010	-0.01	-0.05	1.91	-0.10	-0.05	0.001	-0.10	0.0030	6.2	-0.2	1.1	1.5
0619	10/7/92	-0.10	0.002	-0.010	-0.010	-0.01	-0.05	2.04	-0.10	-0.05	-0.001	-0.10	0.0003	4.9	0.2	-1.0	1.9
0619	1/6/93	-0.10	0.003	-0.010	-0.010	0.01	-0.05	0.66	-0.10	-0.05	0.003	-0.10	0.9750	2.1	-0.2	-1.0	-1.0
0619	4/6/93	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	1.90	-0.10	-0.05	-0.001	-0.10	0.0070	7.9	0.2	1.9	-1.0
0619	7/13/93	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	1.80	-0.10	-0.05	-0.001	-0.10	0.0060	4.9	0.2	2.7	1.8
0619	10/7/93	0.32	0.002	-0.010	-0.010	0.01	-0.05	1.75	-0.10	-0.05	0.002	-0.10	0.0050	10.3	0.2	-1.0	1.4

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TABLE D.1

ZONE 1 DATA SUMMARY
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Well No.	Date	Water Elevation (ft AMSL)	Field pH (SU)	Lab pH (SU)	Lab TDS (mg/L)	Ca (mg/L)	Mg (mg/L)	Na (mg/L)	K (mg/L)	HCO_3 (mg/L)	SO_4 (mg/L)	Cl (mg/L)	NH_4 as N (mg/L)	NO_3 as N (mg/L)	Chloro-form (mg/L)	Naphtha-lene (mg/L)	Cyanide (mg/L)
	NRC Standard	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.001	0.001	0.005
	EPA Standard	NA	NA	NA	4,800	NA	NA	NA	NA	NA	2,125	250	NA	190	NA	NA	NA
0619	1/6/94	6,889.80	6.6	7.01	5,111	505	416	179	7.0	171	3,192	50.5	2.23	-0.10	-0.00100		
0619	4/12/94	6,889.70	6.6	7.03	4,764	502	432	177	7.0	173	3,035	45.8	1.64	39.80	-0.00100		
0619	7/20/94	6,889.50	6.6	6.66	5,111	565	427	158	7.5	177	3,424	45.5	0.60	-0.10	-0.00100		
0619	10/4/94	6,889.70	6.7	7.56	5,045	573	453	187	8.1	200	3,658	46.0	0.62	-0.10	-0.00100		
0619	1/4/95	6,889.50	6.5	7.21	5,078	580	432	172	8.8	203	3,349	44.8	1.19	-0.10	-0.00100		
0619	4/5/95	6,889.40	6.7	6.94	5,148	540	500	174	7.7	212	3,405	47.0	1.30	0.13	-0.00100		
0619	7/6/95	6,888.00	6.7	7.66	4,288	515	410	153	7.2	216	2,963	40.0	0.74	-0.10	-0.00100		
0619	10/3/95	6,888.90	6.3	7.78	4,677	530	457	175	7.5	192	3,255	41.0	0.74	0.17	-0.00100		
0619	1/3/96	6,888.80	6.7	7.31	4,731	505	445	182	7.8	179	3,260	39.5	0.62	0.12	-0.00100		
0619	4/2/96	6,888.60	6.8	7.90	5,039	545	473	164	7.9	204	3,395	47.0	0.52	0.11	-0.00100		
0619	7/7/96	6,888.30	6.4	7.15	5,207	515	450	180	8.6	179	3,195	50.0	0.69	-0.10	-0.00100		
0619	10/1/96	6,888.10	6.4	6.95	5,140	547	478	182	8.1	190	3,232	47.1	0.46	-0.10	-0.00100		
0619	1/22/97	6,888.50	6.2	7.53	5,060	540	490	177	8.1	182	3,350	44.0	0.42	-0.10	-0.00100		
0619	4/8/97	6,887.80	6.5	7.82	5,110	539	458	170	8.0	193	3,370	45.0	0.20	0.17	-0.00100		
0619	7/8/97	6,887.40	7.1	7.73	5,130	586	514	182	8.3	190	3,510	49.2	0.50	0.21	-0.00100		
0619	10/7/97	6,887.30	6.2	7.78	5,080	569	483	178	8.2	217	3,190	47.1	0.46	-0.10	-0.00100		
0619	1/15/98	6,887.20	6.9	8.09	5,310	521	484	187	8.8	190	3,300	55.0	0.67	0.13	-0.00100		
0619	4/7/98	6,887.10	6.6	7.42	5,280	504	469	176	7.9	188	3,120	41.1	0.42	0.26	-0.00100		
0619	7/7/98	6,886.70	6.9	7.61	5,210	505	478	181	8.4	195	3,200	40.7	0.63	-0.10	-0.00100		
0619	10/6/98	6,887.00	6.8	7.88	5,390	535	532	197	9.4	191	3,480	44.8	0.42	0.42	-0.00100		
0619	1/5/99	6,886.20	6.8	7.72	5,350	523	497	175	8.5	186	3,500	44.3	0.33	0.17	-0.00100		
0619	4/6/99	6,886.40	6.7	7.79	5,430	528	534	167	8.1	181	3,440	54.4	0.57	0.21	-0.00100		
0619	7/13/99	6,885.69	6.6	7.96	5,400	551	565	195	11.4	194	3,460	50.3	0.49	0.29	-0.00100		
0619	10/5/99	6,885.60	6.9	7.86	5,220	581	606	169	8.4	188	3,790	48.3	0.51	0.28	-0.00100		
0619	2/22/00	6,885.60	6.7	7.67	5,330	467	497	151	8.9	188	3,000	44.4	-0.05	0.18	-0.00100		
0619	6/4/00																
0619	8/21/00																
EPA 02	4/20/89	6,843.30	6.5	6.89	3,936	503	257	242	8.4	234	2,674	31.7	0.64	0.03	-0.00100	-0.001	-0.005
EPA 02	7/26/89	6,843.90	6.8	6.80	3,959	526	275	267	8.9	256	2,463	32.1	0.89	0.01	-0.00100	-0.001	-0.005
EPA 02	10/5/89	6,844.30	6.4	7.00	4,088	528	264	268	11.7	262	2,589	29.7	0.89	0.08	-0.00100	-0.001	-0.005
EPA 02	1/17/90	6,844.80	6.2	6.62	3,622	446	216	265	8.2	293	2,197	29.3	0.77	0.12	-0.00100	-0.001	-0.005
EPA 02	4/18/90	6,845.00	6.5	6.80	3,704	440	220	250	7.8	293	2,173	30.3	0.88	0.03	-0.00100	-0.001	-0.005
EPA 02	7/17/90	6,844.90	6.6	6.70	3,623	479	208	253	8.5	305	2,104	28.8	0.51	0.05	-0.00100	-0.001	-0.005
EPA 02	10/16/90	6,845.10	6.4	7.17	3,965	445	230	259	7.5	259	2,462	36.2	0.79	0.01	-0.00100	-0.001	-0.005
EPA 02	1/8/91	6,845.30	6.5	6.85	3,834	451	236	263	11.0	264	2,388	35.6	0.76	0.01	-0.00100	-0.001	-0.005
EPA 02	4/17/91	6,845.80	6.3	7.37	3,708	452	238	268	7.6	284	2,300	24.6	0.67	-0.01	-0.00100	-0.001	-0.005
EPA 02	7/3/91	6,846.00	6.4	6.83	4,500	523	285	230	7.8	183	3,175	38.1	1.07	-0.01	-0.00100	-0.001	-0.005
EPA 02	10/22/91	6,846.50	6.4	6.59	3,843	475	244	242	7.7	275	2,435	34.4	0.96	0.04	-0.00100	-0.001	-0.005
EPA 02	1/23/92	6,846.70	6.5	7.02	3,478	455	235	229	7.4	226	2,364	32.6	0.88	-0.01	-0.00100	-0.001	-0.005
EPA 02	4/2/92	6,847.10	6.4	7.86	3,799	483	243	279	8.4	282	2,486	29.5	0.92	-0.01	-0.00100	-0.001	-0.005
EPA 02	7/16/92	6,846.50	6.5	6.71	3,885	412	224	290	9.0	237	2,606	33.4	0.58	0.20	-0.00100	-0.001	-0.005
EPA 02	10/15/92	6,846.70	6.3	7.02	4,554	580	300	286	10.6	198	2,890	36.1	0.92	-0.10	-0.00100	-0.001	-0.005
EPA 02	1/14/93	6,847.00	6.6	7.12	3,380	436	196	213	8.3	276	2,201	29.0	0.88	-0.10	-0.00100	-0.001	-0.005

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TABLE D.1

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Well No.	Date	Al (mg/L)	As (mg/L)	Be (mg/L)	Cd (mg/L)	Co (mg/L)	Pb (mg/L)	Mn (mg/L)	Mo (mg/L)	Ni (mg/L)	Se (mg/L)	V (mg/L)	U (mg/L)	Ra-226+ Ra-228 (pCi/L)	Th-230 (pCi/L)	Pb-210 (pCi/L)	Gross Alpha (pCi/L)
	NRC Standard	NA	0.05	0.05	0.01	NA	0.05	NA	NA	0.05	0.01	0.10	0.3	5.0	5.0	1.0	15.0
	EPA Standard	5.0	0.05	0.02	0.01	0.05	0.05	2.60	1.00	0.20	0.01	0.70	5.0	5.0	NA	NA	15.0
0619	1/6/94	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	1.80	-0.10	-0.05	-0.001	-0.10	0.0040	5.0	-0.2	1.4	7.4
0619	4/12/94	0.21	-0.001	-0.010	-0.010	0.02	-0.05	1.75	-0.10	-0.05	-0.001	-0.10	0.0050	9.9	-0.2	5.8	14.0
0619	7/20/94	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	1.57	-0.10	-0.05	-0.001	-0.10	0.0100	2.8	-0.2	-1.0	3.6
0619	10/4/94	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	1.85	-0.10	-0.05	-0.001	-0.10	0.0120	3.2	-0.2	2.5	4.3
0619	1/4/95	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	1.45	-0.10	0.07	-0.001	-0.10	0.0100	5.2	-0.2	-1.0	7.3
0619	4/5/95	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	1.78	-0.10	-0.05	-0.001	-0.10	0.0080	4.4	-0.2	3.7	5.9
0619	7/6/95	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	1.65	-0.10	-0.05	-0.001	-0.10	0.0065	4.2	0.6	-1.0	2.7
0619	10/3/95	-0.10	0.002	-0.010	-0.010	-0.01	-0.05	1.79	-0.10	-0.05	-0.001	-0.10	0.0101	-2.3	-0.2	-1.0	3.1
0619	1/3/96	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	1.78	-0.10	-0.05	-0.001	-0.10	0.0067	-2.5	1.0	-1.0	2.5
0619	4/2/96	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	1.71	-0.10	-0.05	-0.001	-0.10	0.0180	6.5	-0.2	4.1	3.5
0619	7/7/96	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	1.90	-0.10	-0.05	-0.001	-0.10	0.0080	-2.7	-0.2	-1.0	1.1
0619	10/1/96	0.10	-0.001	-0.010	-0.010	-0.01	-0.05	1.86	-0.10	-0.05	0.001	-0.10	0.0036	-2.5	-0.2	-1.0	2.0
0619	1/22/97	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	1.84	-0.10	-0.05	-0.001	-0.10	0.0080	-2.3	-0.2	-1.0	-1.0
0619	4/8/97	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	1.87	-0.10	-0.05	0.004	-0.10	0.0056	6.2	-0.2	-1.0	4.7
0619	7/8/97	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	1.94	-0.10	-0.05	-0.001	-0.10	0.0050	5.8	-0.2	-1.0	-1.0
0619	10/7/97	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	2.05	-0.10	-0.05	-0.001	-0.10	0.0070	-3.0	-0.2	-1.0	-1.0
0619	1/15/98	-0.10	-0.001	-0.010	-0.005	-0.01	-0.05	2.26	-0.10	-0.05	-0.001	-0.10	0.0100	7.9	-0.2	-1.0	7.5
0619	4/7/98	-0.10	-0.001	-0.010	-0.005	-0.01	-0.05	1.94	-0.10	-0.05	-0.001	-0.10	0.0062	8.3	-0.2	-1.0	2.3
0619	7/7/98	-0.10	-0.001	-0.010	-0.005	-0.01	-0.05	1.97	-0.10	-0.05	-0.001	-0.10	0.0051	4.8	-0.2	-1.0	-1.0
0619	10/6/98	-0.10	-0.001	-0.010	-0.005	0.01	-0.05	2.04	-0.10	-0.05	-0.001	-0.10	0.0160	4.6	-0.2	-1.0	-1.0
0619	1/5/99	-0.10	-0.001	-0.010	-0.005	-0.01	-0.05	2.17	-0.10	-0.05	-0.001	-0.10	0.0072	5.4	-0.2	-1.0	2.4
0619	4/6/99	-0.10	-0.001	-0.010	0.005	-0.01	-0.05	2.19	-0.10	-0.05	-0.001	-0.10	0.0053	7.3	-0.2	-1.0	2.0
0619	7/13/99	-0.10	-0.001	-0.010	-0.005	-0.01	-0.05	2.34	-0.10	-0.05	-0.001	-0.10	0.0072	4.4	-0.2	-1.0	-1.0
0619	10/5/99	-0.10	-0.001	-0.010	-0.005	0.01	-0.05	2.77	-0.10	-0.05	-0.001	-0.10	0.0066	4.7	-0.2	-1.0	3.9
0619	2/22/00	-0.10	-0.001	-0.010	-0.005	-0.01	-0.05	2.43	-0.10	-0.05	-0.001	-0.10	0.0067	3.2	-0.2	-1.0	1.5
0619	6/4/00																
0619	8/21/00																
EPA 02	4/20/89		-0.001	-0.050	-0.010		-0.05	2.90		-0.05	-0.001	-0.10	0.0029	2.6	-0.2	-1.0	-1.0
EPA 02	7/26/89	0.37	-0.001	-0.050	-0.010	0.06	-0.05	2.90	-0.10	0.07	-0.001	-0.10	0.0178	-2.6	1.4	-1.0	-1.0
EPA 02	10/5/89	-0.10	-0.001	-0.050	-0.010	-0.01	-0.05	2.80	-0.01	-0.05	-0.001	-0.10	0.0040	2.5	-0.2	3.4	1.1
EPA 02	1/17/90	-0.10	0.001	-0.050	-0.010	-0.01	-0.05	2.60	-0.10	-0.05	-0.001	-0.10	0.0030	-1.6	0.4	-1.0	1.1
EPA 02	4/18/90	-0.10	-0.001	-0.050	-0.010	-0.01	-0.05	2.30	-0.10	-0.05	0.001	-0.10	0.0020	-2.8	-0.2	-1.0	2.3
EPA 02	7/17/90	-0.10	-0.001	-0.050	-0.010	-0.01	-0.05	2.29	-0.10	-0.05	-0.001	-0.10	0.0019	2.3	-0.2	-1.0	-1.0
EPA 02	10/16/90	-0.10	-0.001	-0.050	-0.010	0.01	-0.05	2.57	-0.10	-0.05	-0.001	-0.10	-0.0003	-1.9	-0.2	-1.0	1.0
EPA 02	1/8/91	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	2.62	-0.10	-0.05	-0.001	-0.10	0.0196	-2.2	0.2	-1.0	-1.0
EPA 02	4/17/91	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	2.12	-0.10	-0.05	-0.001	-0.10	0.0010	2.8	-0.2	-1.0	1.0
EPA 02	7/3/91	0.30	-0.001	-0.010	-0.010	-0.01	-0.05	3.02	0.03	-0.05	-0.001	-0.10	-0.0003	3.9	-0.2	-1.0	-1.0
EPA 02	10/22/91	-0.10	-0.001	-0.010	-0.010	0.02	-0.05	2.09	-0.10	-0.05	-0.001	-0.10	0.0010	3.9	-0.2	-1.0	-1.0
EPA 02	1/23/92	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	2.77	-0.10	-0.05	-0.001	-0.10	0.0030	-1.3	-0.2	1.3	1.0
EPA 02	4/2/92	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	2.46	-0.10	-0.05	-0.001	-0.10	0.0090	4.6	-0.2	3.0	1.0
EPA 02	7/16/92	0.13	-0.001	-0.010	-0.010	-0.01	-0.05	2.30	-0.10	-0.05	-0.001	-0.10	0.0010	8.1	-0.2	2.5	1.9
EPA 02	10/15/92	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	3.23	-0.10	-0.05	-0.001	-0.10	-0.0003	7.5	-0.2	2.1	1.3
EPA 02	1/14/93	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	2.27	-0.10	-0.05	-0.001	-0.10	0.0010	-1.2	-0.2	-1.0	-1.0

Refer to page 1 for explanatory notes

TABLE D.1

ZONE 1 DATA SUMMARY
1989 - 2000

Well No.	Date	Water Elevation (ft AMSL)	Field pH (SU)	Lab pH (SU)	Lab TDS (mg/L)	Ca (mg/L)	Mg (mg/L)	Na (mg/L)	K (mg/L)	HCO_3 (mg/L)	SO_4 (mg/L)	Cl (mg/L)	NH_4 as N (mg/L)	NO_3 as N (mg/L)	Chloro-form (mg/L)	Naphtha-lene (mg/L)	Cyanide (mg/L)
	NRC Standard	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.001	0.001	0.005
	EPA Standard	NA	NA	NA	4,800	NA	NA	NA	NA	NA	2,125	250	NA	190	NA	NA	NA
EPA 02	4/15/93	6,847.50	6.6	7.68	3,534	455	186	255	6.3	270	2,292	30.4	0.67	0.20	-0.00100	-0.001	-0.005
EPA 02	7/21/93	6,848.20	6.6	7.43	3,321	458	207	256	8.0	315	2,247	24.3	0.40	-0.10	-0.00100	-0.001	-0.005
EPA 02	10/12/93	6,845.50	6.7	6.50	3,692	498	222	231	7.2	300	2,274	29.6	0.57	-0.10	-0.00100	-0.001	-0.005
EPA 02	1/11/94	6,847.80	6.7	7.10	2,674	353	160	194	5.6	300	1,765	26.3	0.55	-0.10	-0.00100		
EPA 02	4/19/94	6,847.90	6.6	8.05	2,781	357	159	223	6.9	284	1,771	24.3	0.78	-0.10	-0.00100		
EPA 02	7/26/94	6,848.10	6.7	6.93	3,353	469	216	223	6.8	273	2,026	26.6	0.59	-0.10	-0.00100		
EPA 02	10/11/94	6,848.00	6.7	7.70	3,036	462	182	222	6.4	304	2,057	25.2	0.71	-0.10	-0.00100		
EPA 02	1/10/95	6,848.10	6.6	7.16	3,316	486	144	208	7.6	294	2,057	27.5	0.98	-0.10	-0.00100		
EPA 02	4/6/95	6,848.50	6.7	6.91	3,267	423	183	216	6.7	295	2,070	26.5	1.06	-0.10	-0.00100		
EPA 02	7/11/95	6,848.40	6.8	7.14	2,674	390	177	203	6.2	325	1,705	25.4	0.81	-0.10	-0.00100		
EPA 02	10/10/95	6,842.60	6.7	7.43	2,782	393	156	216	6.4	321	1,741	24.2	0.60	-0.10	-0.00100		
EPA 02	1/9/96	6,848.50	6.8	7.73	2,801	382	155	213	6.7	334	1,791	24.7	0.46	-0.10	-0.00100		
EPA 02	4/10/96	6,842.70	6.9	7.70	3,018	408	168	191	6.0	321	1,831	22.7	0.52	-0.10	-0.00100		
EPA 02	7/17/96	6,848.50	6.7	6.88	3,042	390	164	208	16.0	312	1,746	29.0	0.45	-0.10	-0.00100		
EPA 02	10/8/96	6,848.70	6.7	7.17	3,150	453	198	211	6.7	315	1,866	24.5	0.56	-0.10	-0.00100		
EPA 02	1/28/97	6,848.70	6.9	7.75	3,000	400	185	190	6.2	318	1,883	29.9	0.48	-0.10	-0.00100		
EPA 02	4/15/97	6,848.70	6.7	7.77	2,970	410	184	202	6.6	325	1,775	26.4	0.46	-0.10	-0.00100		
EPA 02	7/15/97	6,848.50	6.5	7.46	3,090	411	186	192	6.6	321	1,780	27.7	0.51	-0.10	-0.00100		
EPA 02	10/15/97	6,848.50	6.6	7.64	2,920	400	185	195	6.1	322	1,740	31.6	0.50	-0.10	-0.00100		
EPA 02	1/20/98	6,849.20	6.5	7.76	3,060	407	182	208	6.9	318	2,000	26.8	0.73	-0.10	-0.00100		
EPA 02	4/14/98	6,848.90	6.4	7.47	3,130	438	199	194	6.3	316	1,830	26.2	0.54	-0.10	-0.00100		
EPA 02	7/14/98	6,848.70	7.0	7.66	3,120	385	190	207	6.9	313	1,700	22.3	0.49	-0.10	-0.00100		
EPA 02	10/6/98	6,849.50	6.6	7.82	3,390	454	227	221	7.9	292	2,150	28.6	0.75	0.10	-0.00100		
EPA 02	1/12/99	6,849.30	6.8	7.65	3,060	364	180	181	6.7	311	1,740	27.8	0.55	-0.10	0.00100		
EPA 02	4/13/99	6,849.50	6.7	7.69	3,110	420	182	198	6.8	304	1,800	31.3	0.64	-0.10	-0.00100		
EPA 02	7/20/99	6,849.19	6.7	7.67	3,080	385	186	187	8.8	307	1,650	29.0	0.59	-0.10	-0.00100		
EPA 02	10/12/99	6,849.30	6.6	7.65	3,640	478	244	186	7.6	268	1,970	45.7	0.70	-0.10	-0.00100		
EPA 02	2/23/00	6,849.50	6.7	7.63	3,090	384	187	179	7.4	310	1,700	28.9	0.57	-0.10	-0.00100		
EPA 02	6/4/00	6,850.10	6.6	7.72	2,800	349	162	183	5.9	296	1,490	20.2	0.48	-0.10	-0.00100		
EPA 02	7/11/00	6,849.90	6.7	7.42	2,740	369	166	192	5.9	334	1,540	20.4	0.47	-0.10	-0.00100		
EPA 04*	4/17/89	6,868.40	6.8	7.10	4,506	529	350	217	8.5	184	2,962	36.5	0.81	-0.01	-0.00100	-0.001	-0.005
EPA 04*	7/26/89	6,868.80	6.9	5.97	4,433	559	373	242	9.1	183	3,039	37.1	0.91	0.03	-0.00100	-0.001	-0.005
EPA 04*	10/5/89	6,869.10	6.5	6.90	4,760	560	371	244	12.3	182	3,043	38.9	0.98	0.10	-0.00100	-0.001	-0.005
EPA 04*	1/16/90	6,869.40	6.5	6.76	4,554	491	343	229	9.0	217	2,919	37.5	0.99	0.10	-0.00100	-0.001	-0.005
EPA 04*	4/17/90	6,869.30	6.5	6.90	4,604	500	347	223	7.7	194	2,851	38.4	1.02	0.15	-0.00100	-0.001	-0.005
EPA 04*	7/17/90	6,869.10	6.4	6.70	4,642	526	367	226	9.2	201	2,855	36.4	0.70	0.06	-0.00100	-0.001	-0.005
EPA 04*	10/16/90	6,869.10	6.4	7.15	4,645	515	368	232	9.2	193	2,987	42.7	0.82	0.11	-0.00100	-0.001	-0.005
EPA 04*	1/8/91	6,869.00	6.5	6.65	4,644	494	337	225	17.0	185	3,039	40.1	0.99	0.04	-0.00100	-0.001	-0.005
EPA 04*	4/17/91	6,869.50	6.5	7.22	4,759	525	392	238	8.9	161	3,260	40.2	0.97	-0.01	-0.00100	-0.001	-0.005
EPA 04*	7/3/91	6,869.60	6.6	6.80	4,686	504	352	210	7.7	184	3,345	37.8	1.04	0.05	-0.00100	-0.001	-0.005
EPA 04*	10/22/91	6,870.20	6.5	6.56	4,651	502	350	221	8.2	188	2,948	44.2	1.16	0.04	-0.00100	-0.001	-0.005
EPA 04*	1/23/92	6,870.50	6.4	6.52	4,263	490	344	211	8.0	184	2,997	42.4	1.14	-0.01	0.00100	-0.001	-0.005
EPA 04*	4/2/92	6,870.50	6.4	7.82	4,554	495	348	258	9.3	210	2,963	37.3	1.19	-0.01	-0.00100	-0.001	-0.005

Refer to page 1 for explanatory notes

TABLE D.1

ZONE 1 DATA SUMMARY
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Well No.	Date	Al (mg/L)	As (mg/L)	Be (mg/L)	Cd (mg/L)	Co (mg/L)	Pb (mg/L)	Mn (mg/L)	Mo (mg/L)	Ni (mg/L)	Se (mg/L)	V (mg/L)	U (mg/L)	Ra-226+ Ra-228 (pCi/L)	Th-230 (pCi/L)	Pb-210 (pCi/L)	Gross Alpha (pCi/L)
	NRC Standard	NA	0.05	0.05	0.01	NA	0.05	NA	NA	0.05	0.01	0.10	0.3	5.0	5.0	1.0	15.0
	EPA Standard	5.0	0.05	0.02	0.01	0.05	0.05	2.60	1.00	0.20	0.01	0.70	5.0	5.0	NA	NA	15.0
EPA 02	4/15/93	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	2.15	-0.10	-0.05	-0.001	-0.10	0.0010	-1.5	-0.2	1.6	-1.0
EPA 02	7/21/93	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	1.59	-0.10	-0.05	-0.001	-0.10	-0.0003	3.4	-0.2	-1.0	-1.0
EPA 02	10/12/93	0.10	-0.001	-0.010	-0.010	0.01	-0.05	2.11	-0.10	-0.05	-0.001	-0.10	0.0020	3.5	-0.2	2.8	4.5
EPA 02	1/11/94	0.13	-0.001	-0.010	-0.010	-0.01	-0.05	1.78	-0.10	-0.05	-0.001	-0.10	-0.0003	5.0	-0.2	-1.0	8.1
EPA 02	4/19/94	-0.10	0.001	-0.010	-0.010	0.02	-0.05	2.00	-0.10	-0.05	-0.001	-0.10	0.0010	2.9	-0.2	-1.0	4.1
EPA 02	7/26/94	0.16	-0.001	-0.010	-0.010	-0.01	-0.05	1.81	-0.10	-0.05	-0.001	-0.10	0.0020	-1.2	-0.2	-1.0	-1.0
EPA 02	10/11/94	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	1.52	-0.10	-0.05	-0.001	-0.10	0.0020	-2.0	-0.2	-1.0	1.2
EPA 02	1/10/95	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	1.82	-0.10	-0.05	-0.001	-0.10	0.0020	-2.1	-0.2	-1.0	2.8
EPA 02	4/6/95	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	1.59	-0.10	-0.05	-0.001	-0.10	0.0010	3.0	-0.2	-1.0	3.8
EPA 02	7/11/95	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	1.47	-0.10	-0.05	-0.001	-0.10	0.0012	-2.0	-0.2	-1.0	3.4
EPA 02	10/10/95	-0.10	0.001	-0.010	-0.010	-0.01	-0.05	1.48	-0.10	-0.05	-0.001	-0.10	0.0011	-2.2	-0.2	-1.0	1.1
EPA 02	1/9/96	-0.10	0.003	-0.010	-0.010	-0.01	-0.05	1.48	-0.10	-0.05	-0.001	-0.10	0.0026	-2.0	-0.2	-1.0	-1.0
EPA 02	4/10/96	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	1.52	-0.10	-0.05	-0.001	-0.10	0.0008	-1.7	0.7	-1.0	-1.0
EPA 02	7/17/96	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	1.58	-0.10	-0.05	-0.001	-0.10	0.0011	1.9	0.9	-1.0	-1.0
EPA 02	10/8/96	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	1.53	-0.10	-0.05	-0.001	-0.10	-0.0003	-1.8	-0.2	-1.0	1.7
EPA 02	1/28/97	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	1.46	-0.10	-0.05	-0.001	-0.10	-0.0003	-2.8	-0.2	-1.0	-1.0
EPA 02	4/15/97	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	1.49	-0.10	-0.05	-0.001	-0.10	-0.0003	-1.2	-0.2	-1.0	-1.0
EPA 02	7/15/97	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	1.42	-0.10	-0.05	-0.001	-0.10	-0.0003	3.4	-0.2	-1.0	-1.0
EPA 02	10/15/97	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	1.49	-0.10	-0.05	-0.001	-0.10	-0.0003	-1.5	-0.2	-1.0	-1.0
EPA 02	1/20/98	-0.10	-0.001	-0.010	-0.005	-0.01	-0.05	1.75	-0.10	-0.05	-0.001	-0.10	0.0009	-2.0	-0.2	-1.0	-1.0
EPA 02	4/14/98	-0.10	-0.001	-0.010	-0.005	-0.01	-0.05	1.60	-0.10	-0.05	-0.001	-0.10	0.0008	-2.1	-0.2	-1.0	-1.0
EPA 02	7/14/98	-0.10	-0.001	-0.010	-0.005	-0.01	-0.05	1.50	-0.10	-0.05	-0.001	-0.10	0.0009	-1.9	-0.2	7.5	-1.0
EPA 02	10/6/98	-0.10	-0.001	-0.010	-0.005	-0.01	-0.05	1.94	-0.10	-0.05	-0.001	-0.10	0.0007	3.5	-0.2	-1.0	-1.0
EPA 02	1/12/99	-0.10	-0.001	-0.010	-0.005	-0.01	-0.05	1.44	-0.10	-0.05	-0.001	-0.10	0.0028	3.4	-0.2	-1.0	-1.0
EPA 02	4/13/99	-0.10	-0.001	-0.010	-0.005	-0.01	-0.05	1.64	-0.10	-0.05	-0.001	-0.10	0.0009	-1.2	0.2	-1.0	1.8
EPA 02	7/20/99	-0.10	-0.001	-0.010	-0.005	-0.01	-0.05	1.35	-0.10	-0.05	-0.001	-0.10	0.0012	3.3	-0.2	-1.0	2.1
EPA 02	10/12/99	-0.10	-0.001	-0.010	-0.005	-0.01	-0.05	2.21	-0.10	-0.05	-0.001	-0.10	-0.0003	2.8	-0.2	-1.0	1.8
EPA 02	2/23/00	0.12	-0.001	-0.010	-0.005	-0.01	-0.05	1.58	-0.10	-0.05	0.001	-0.10	0.0015	-1.8	-0.2	-1.0	-1.0
EPA 02	6/4/00	-0.10	-0.001	-0.010	-0.005	-0.01	-0.05	1.29	-0.10	-0.05	-0.001	-0.10	0.0016	-2.7	0.2	-1.0	2.2
EPA 02	7/11/00	-0.10	-0.001	-0.010	-0.005	-0.01	-0.05	1.27	-0.10	-0.05	-0.001	-0.10	0.0011	5.4	-0.2	-1.0	1.4
EPA 04*	4/17/89		-0.001	-0.050	-0.010		-0.05	2.80		-0.05	-0.001	-0.10	0.0004	3.1	-0.2	-1.0	1.2
EPA 04*	7/26/89	-0.10	-0.001	-0.050	-0.010	-0.01	-0.05	3.40	-0.10	-0.05	-0.001	-0.10	0.0040	3.3	0.9	-1.0	3.0
EPA 04*	10/5/89	-0.10	-0.001	-0.050	-0.010	-0.01	-0.05	3.10	-0.01	-0.05	-0.001	-0.10	0.0030	3.9	0.3	2.2	3.0
EPA 04*	1/16/90	-0.10	-0.001	-0.050	-0.010	-0.01	-0.05	3.40	-0.10	-0.05	-0.001	-0.10	0.0007	4.7	2.8	-1.0	3.5
EPA 04*	4/17/90	-0.10	-0.001	-0.050	-0.010	-0.01	-0.05	2.50	-0.10	-0.05	-0.001	-0.10	0.0020	2.4	-0.2	2.4	1.5
EPA 04*	7/17/90	-0.10	-0.001	-0.050	-0.010	-0.01	-0.05	3.31	-0.10	-0.05	-0.001	-0.10	0.0010	5.2	0.2	1.5	-1.0
EPA 04*	10/16/90	-0.10	-0.001	-0.050	-0.010	0.01	-0.05	3.31	-0.10	-0.05	-0.001	-0.10	0.0003	-2.5	-0.2	1.1	2.0
EPA 04*	1/8/91	-0.10	-0.001	-0.010	-0.010	0.01	-0.05	3.27	-0.10	-0.05	-0.001	-0.10	-0.0003	4.2	0.2	-1.0	2.0
EPA 04*	4/17/91	0.11	-0.001	-0.010	-0.010	-0.01	-0.05	3.87	-0.10	-0.05	-0.001	-0.10	0.0010	5.6	0.2	-1.0	-1.0
EPA 04*	7/3/91	0.30	-0.001	-0.010	-0.010	0.01	-0.05	3.21	0.03	-0.05	-0.001	-0.10	0.0029	6.6	-0.2	-1.0	1.0
EPA 04*	10/22/91	-0.10	-0.001	-0.010	-0.010	0.02	-0.05	3.28	-0.10	-0.05	-0.001	0.10	0.0684	4.6	0.2	1.8	-1.0
EPA 04*	1/23/92	0.14	-0.001	-0.010	-0.010	-0.01	-0.05	2.95	-0.10	-0.05	-0.001	-0.10	0.0070	-2.2	0.2	1.9	1.0
EPA 04*	4/2/92	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	3.34	-0.10	-0.05	-0.001	-0.10	0.0010	5.9	-0.2	9.1	-1.0

Refer to page 1 for explanatory notes

TABLE D.1

ZONE 1 DATA SUMMARY
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Well No.	Date	Water Elevation (ft AMSL)	Field pH (SU)	Lab pH (SU)	Lab TDS (mg/L)	Ca (mg/L)	Mg (mg/L)	Na (mg/L)	K (mg/L)	HCO_3 (mg/L)	SO_4 (mg/L)	Cl (mg/L)	NH_4 as N (mg/L)	NO_3 as N (mg/L)	Chloro-form (mg/L)	Naphtha-lene (mg/L)	Cyanide (mg/L)
	NRC Standard	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.001	0.001	0.005
	EPA Standard	NA	NA	NA	4,800	NA	NA	NA	NA	NA	2,125	250	NA	190	NA	NA	NA
EPA 04*	7/15/92	6,869.70	6.6	7.55	4,808	482	336	238	9.0	173	3,072	41.2	0.73	0.20	-0.00100	-0.001	-0.005
EPA 04*	10/14/92	6,869.80	6.8	6.87	4,904	526	357	230	8.6	174	3,164	40.2	0.79	-0.10	-0.00100	-0.001	-0.005
EPA 04*	1/13/93	6,870.00	6.6	6.98	4,631	506	343	228	9.7	177	3,107	38.8	0.21	-0.10	-0.00100	-0.001	-0.005
EPA 04*	4/15/93		6.6	7.05	4,684	452	337	242	7.4	175	3,006	39.4	0.98	0.10	-0.00100	-0.001	-0.005
EPA 04*	7/20/93	6,871.10	6.7	7.11	4,351	519	369	211	7.8	203	3,081	37.4	0.84	-0.10	-0.00100	-0.001	-0.005
EPA 04*	10/12/93	6,868.80	7.1	6.47	4,585	533	332	217	7.8	189	2,962	34.3	0.79	-0.10	-0.00100	-0.001	-0.005
EPA 04*	1/11/94	6,869.50	6.8	6.88	4,530	543	336	219	7.2	178	3,119	35.8	0.89	-0.10	-0.00100		
EPA 04*	4/20/94	6,870.50	6.7	6.44	4,612	544	346	233	7.3	167	3,065	37.9	1.42	-0.10	-0.00100		
EPA 04*	7/26/94	6,870.40	6.7	6.45	4,420	578	359	225	8.2	172	2,863	35.7	0.93	-0.10	-0.00100		
EPA 04*	10/11/94	6,870.30	6.6	7.42	4,528	539	380	229	8.3	195	3,133	37.9	1.11	-0.10	-0.00100		
EPA 04*	1/10/95	6,870.40	6.5	6.98	4,598	640	286	210	9.5	190	3,090	38.3	1.48	-0.10	-0.00100		
EPA 04*	4/6/95	6,870.60	6.6	6.99	4,715	640	328	212	8.3	189	3,268	39.3	1.70	-0.10	-0.00100		
EPA 04*	7/11/95	6,870.30	6.8	7.44	3,894	485	325	194	7.4	253	2,490	35.1	1.29	-0.10	-0.00100		
EPA 04*	10/10/95	6,870.40	6.7	7.04	4,004	515	335	220	8.0	217	2,641	33.1	1.04	-0.10	-0.00100		
EPA 04*	1/9/96	6,870.30	6.8	7.89	4,093	505	335	213	8.3	257	2,637	34.4	0.75	-0.10	-0.00100		
EPA 04*	4/10/96	6,870.20	6.9	7.63	4,412	544	338	199	7.6	223	3,002	36.6	0.85	-0.10	-0.00100		
EPA 04*	7/17/96	6,870.20	6.8	6.76	4,161	485	300	221	8.3	216	2,580	38.0	0.69	-0.10	-0.00100		
EPA 04*	10/8/96	6,870.10	6.6	7.12	4,390	555	358	211	8.3	196	2,721	35.3	0.79	-0.10	-0.00100		
EPA 04*	1/28/97	6,870.10	6.8	7.51	4,290	510	335	192	7.8	222	2,895	44.0	0.77	-0.10	-0.00100		
EPA 04*	4/15/97	6,869.90	6.4	7.38	4,390	544	354	212	8.5	222	2,829	39.4	0.83	-0.10	-0.00100		
EPA 04*	7/15/97	6,869.50	6.5	7.22	4,320	556	338	200	8.0	227	2,800	38.9	0.79	-0.10	-0.00100		
EPA 04*	10/15/97	6,869.40	6.4	7.60	4,480	591	372	202	7.8	209	2,900	49.1	0.82	-0.10	-0.00100		
EPA 04*	1/20/98	6,870.30	6.6	7.85	4,480	588	366	216	8.7	212	3,100	41.9	1.08	-0.10	-0.00100		
EPA 04*	4/14/98	6,869.50	6.7	7.08	4,480	586	340	226	8.2	209	3,010	35.1	0.85	-0.10	-0.00100		
EPA 04*	7/14/98	6,869.20	6.6	7.25	4,620	576	366	223	8.8	200	3,000	36.7	0.86	-0.10	-0.00100		
EPA 04*	10/6/98	6,871.80	6.4	7.84	4,520	579	348	228	8.6	218	3,000	36.1	0.98	0.10	-0.00100		
EPA 04*	1/12/99	6,869.50	6.6	7.53	4,590	615	347	199	8.0	214	3,000	37.2	0.92	-0.10	-0.00100		
EPA 04*	4/13/99	6,869.80	6.5	7.46	4,590	582	343	206	8.2	208	2,860	43.8	0.97	0.11	-0.00100		
EPA 04*	7/20/99	6,869.50	6.5	7.11	4,790	555	323	193	10.4	207	2,550	40.0	0.85	-0.10	-0.00100		
EPA 04*	10/12/99	6,849.30	6.6	7.94	4,830	556	332	193	8.4	641	2,780	39.0	0.87	-0.10	-0.00100		
EPA 04*	2/23/00	6,869.50	6.5	7.51	4,680	557	332	187	8.8	204	2,730	36.2	0.82	-0.10	-0.00100		
EPA 04*	6/20/00	6,869.10	6.7	7.42	4,810	542	366	194	9.1	173	3,000	37.5	1.03	-0.10	-0.00100		
EPA 04*	7/11/00	6,869.90	6.5	7.07	4,790	574	386	199	8.4	171	2,910	38.8	0.97	-0.10	-0.00100		
EPA 05	4/17/89	6,895.20	6.6	7.25	4,684	560	454	110	7.7	322	2,985	59.3	0.21	3.10	-0.00100	-0.001	-0.005
EPA 05	7/26/89	6,895.20	6.5	6.15	5,192	625	508	151	8.5	295	3,279	93.1	0.30	15.80	-0.00100	-0.001	-0.005
EPA 05	10/5/89	6,895.40	6.1	6.90	5,726	639	531	171	12.3	512	3,255	141.0	0.12	29.00	-0.00100	-0.001	-0.005
EPA 05	1/16/90	6,895.60	6.1	6.40	5,698	628	539	186	9.5	567	3,175	169.0	0.18	53.20	-0.00100	-0.001	-0.005
EPA 05	4/17/90	6,895.50	6.0	6.80	5,882	662	555	199	9.5	671	3,159	172.0	0.31	53.00	-0.00100	-0.001	-0.005
EPA 05	7/17/90	6,895.10	6.0	6.46	5,886	723	548	204	10.3	672	3,146	152.0	0.15	41.00	0.00100	-0.001	-0.005
EPA 05	10/16/90	6,895.00	6.0	7.11	6,192	647	540	215	9.0	742	3,391	199.0	0.18	53.00	-0.00100	0.001	0.005
EPA 05	1/8/91	6,894.80	6.1	7.22	5,554	641	485	171	7.3	586	3,088	137.0	0.27	36.00	0.00100	-0.001	0.005
EPA 05	4/17/91	6,894.90	5.9	7.43	6,608	678	591	241	10.6	380	3,536	219.0	0.23	68.00	-0.00100	-0.001	-0.005
EPA 05	7/3/91	6,894.60	6.1	6.69	5,926	634	512	187	8.7	326	3,440	146.0	0.38	39.40	-0.00100	-0.001	-0.005

Refer to page 1 for explanatory notes

TABLE D.1

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Well No.	Date	Al (mg/L)	As (mg/L)	Be (mg/L)	Cd (mg/L)	Co (mg/L)	Pb (mg/L)	Mn (mg/L)	Mo (mg/L)	Ni (mg/L)	Se (mg/L)	V (mg/L)	U (mg/L)	Ra-226+ Ra-228 (pCi/L)	Th-230 (pCi/L)	Pb-210 (pCi/L)	Gross Alpha (pCi/L)
	NRC Standard	NA	0.05	0.05	0.01	NA	0.05	NA	NA	0.05	0.01	0.10	0.3	5.0	5.0	1.0	15.0
	EPA Standard	5.0	0.05	0.02	0.01	0.05	0.05	2.60	1.00	0.20	0.01	0.70	5.0	5.0	NA	NA	15.0
EPA 04*	7/15/92	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	3.19	-0.10	-0.05	-0.001	-0.10	0.0040	6.9	-0.2	-1.0	2.0
EPA 04*	10/14/92	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	3.41	-0.10	-0.05	-0.001	-0.10	0.0290	9.0	-0.2	-1.0	2.1
EPA 04*	1/13/93	0.10	-0.001	-0.010	-0.010	0.02	-0.05	3.47	-0.10	-0.05	-0.001	-0.10	-0.0003	14.8	-0.2	-1.0	1.1
EPA 04*	4/15/93	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	3.55	-0.10	-0.05	-0.001	-0.10	-0.0003	2.1	-0.2	-1.0	1.2
EPA 04*	7/20/93	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	2.81	-0.10	-0.05	-0.001	-0.10	-0.0003	4.6	-0.2	-1.0	1.5
EPA 04*	10/12/93	-0.10	-0.001	-0.010	-0.010	0.01	-0.05	3.08	-0.10	-0.05	-0.001	-0.10	0.0030	3.9	-0.2	1.3	5.2
EPA 04*	1/11/94	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	3.59	-0.10	-0.05	-0.001	-0.10	0.0010	4.1	-0.2	-1.0	6.6
EPA 04*	4/20/94	0.15	0.002	-0.010	-0.010	-0.01	-0.05	2.77	-0.10	-0.05	-0.001	-0.10	0.0010	5.0	-0.2	1.8	6.7
EPA 04*	7/26/94	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	3.40	-0.10	-0.05	-0.001	-0.10	0.0020	7.0	-0.2	-1.0	9.7
EPA 04*	10/11/94	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	2.95	-0.10	-0.05	-0.001	-0.10	0.0010	3.9	-0.2	-1.0	5.2
EPA 04*	1/10/95	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	3.42	-0.10	-0.05	-0.001	-0.10	0.0010	4.2	0.2	3.0	5.6
EPA 04*	4/6/95	-0.10	0.001	-0.010	-0.010	-0.01	-0.05	3.25	-0.10	-0.05	-0.001	-0.10	0.0010	4.4	-0.2	-1.0	6.1
EPA 04*	7/11/95	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	2.76	-0.10	-0.05	-0.001	-0.10	-0.0003	3.8	0.4	-1.0	5.0
EPA 04*	10/10/95	-0.10	0.002	-0.010	-0.010	-0.01	-0.05	2.89	-0.10	-0.05	-0.001	-0.10	0.0008	5.7	0.4	-1.0	2.2
EPA 04*	1/9/96	-0.10	0.003	-0.010	-0.010	-0.01	-0.05	2.83	-0.10	-0.05	-0.001	-0.10	0.0010	3.5	-0.2	2.6	-1.0
EPA 04*	4/10/96	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	3.20	-0.10	-0.05	-0.001	-0.10	-0.0003	4.5	-0.2	-1.0	-1.0
EPA 04*	7/17/96	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	2.85	-0.10	-0.05	-0.001	-0.10	0.0009	-1.5	-0.2	-1.0	-1.0
EPA 04*	10/8/96	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	2.89	-0.10	-0.05	-0.001	-0.10	-0.0003	-2.2	-0.2	-1.0	-1.0
EPA 04*	1/28/97	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	2.82	-0.10	-0.05	-0.001	-0.10	-0.0003	-2.5	-0.2	1.0	2.1
EPA 04*	4/15/97	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	2.97	-0.10	-0.05	-0.001	-0.10	0.0010	2.1	-0.2	-1.0	2.3
EPA 04*	7/15/97	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	2.58	-0.10	-0.05	-0.001	-0.10	0.0009	5.1	-0.2	-1.0	-1.0
EPA 04*	10/15/97	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	3.06	-0.10	-0.05	-0.001	-0.10	-0.0003	-1.6	-0.2	1.0	-1.0
EPA 04*	1/20/98	-0.10	-0.001	-0.010	-0.005	-0.01	-0.05	3.25	-0.10	-0.05	-0.001	-0.10	0.0011	2.0	-0.2	-1.0	-1.0
EPA 04*	4/14/98	-0.10	-0.001	-0.010	-0.005	-0.01	-0.05	2.88	-0.10	-0.05	-0.001	-0.10	0.0011	-2.5	-0.2	-1.0	-1.0
EPA 04*	7/14/98	-0.10	-0.001	-0.010	-0.005	-0.01	-0.05	2.98	-0.10	-0.05	-0.001	-0.10	0.0009	4.3	-0.2	-1.0	-1.0
EPA 04*	10/6/98	-0.10	-0.001	-0.010	-0.005	-0.01	-0.05	2.87	-0.10	-0.05	-0.001	-0.10	0.0010	5.1	-0.2	-1.0	-1.0
EPA 04*	1/12/99	-0.10	-0.001	-0.010	-0.005	-0.01	-0.05	2.78	-0.10	-0.05	-0.001	-0.10	0.0033	5.7	-0.2	-1.0	-1.0
EPA 04*	4/13/99	-0.10	-0.001	-0.010	-0.005	-0.01	-0.05	3.00	-0.10	-0.05	-0.001	-0.10	0.0017	6.7	-0.2	-1.0	2.2
EPA 04*	7/20/99	-0.10	-0.001	-0.010	-0.005	-0.01	-0.05	2.33	-0.10	-0.05	-0.001	-0.10	0.0013	2.4	-0.2	-1.0	1.5
EPA 04*	10/12/99	-0.10	0.001	-0.010	-0.005	-0.01	-0.05	2.93	-0.10	-0.05	-0.001	-0.10	-0.0003	4.5	-0.2	-1.0	1.4
EPA 04*	2/23/00	0.10	-0.001	-0.010	-0.005	-0.01	-0.05	3.10	-0.10	0.06	-0.001	-0.10	0.0021	-2.0	0.2	-1.0	-1.0
EPA 04*	6/20/00	-0.10	0.001	-0.010	-0.005	-0.01	-0.05	4.15	-0.10	-0.05	-0.001	-0.10	0.0006	5.7	-0.2	-1.0	1.3
EPA 04*	7/11/00	-0.10	-0.001	-0.010	0.007	-0.01	-0.05	3.37	-0.10	-0.05	-0.001	-0.10	0.0006	-2.6	0.2	-1.0	1.8
EPA 05	4/17/89		-0.001	-0.050	-0.010		-0.05	1.70		-0.05	-0.001	-0.10	0.0019	2.2	0.2	-1.0	-1.0
EPA 05	7/26/89	-0.10	-0.001	-0.050	-0.010	0.02	-0.05	1.70	-0.10	-0.05	0.001	-0.10	0.0069	3.0	3.2	1.2	2.2
EPA 05	10/5/89	-0.10	-0.001	-0.050	-0.010	0.04	-0.05	1.30	-0.01	-0.05	-0.001	-0.10	0.0220	2.9	0.3	-1.0	1.5
EPA 05	1/16/90	-0.10	-0.001	-0.050	-0.010	-0.01	-0.05	1.80	-0.10	-0.05	0.002	-0.10	0.0320	3.5	0.2	-1.0	1.1
EPA 05	4/17/90	-0.10	-0.001	-0.050	-0.010	0.03	-0.05	2.20	-0.10	0.10	-0.001	-0.10	0.0410	3.3	-0.2	-1.0	1.8
EPA 05	7/17/90	-0.10	-0.001	-0.050	-0.010	0.03	-0.05	2.36	-0.10	-0.05	0.001	-0.10	0.0475	4.4	-0.2	3.6	2.0
EPA 05	10/16/90	-0.10	-0.001	-0.050	-0.010	0.03	-0.05	2.79	-0.10	-0.05	-0.001	-0.10	0.0371	2.5	-0.2	1.0	-1.0
EPA 05	1/8/91	-0.10	-0.001	-0.010	-0.010	0.03	-0.05	3.17	-0.10	-0.05	0.001	-0.10	0.0003	-1.8	0.2	-1.0	-1.0
EPA 05	4/17/91	0.27	-0.001	-0.010	-0.010	0.06	-0.05	3.81	-0.10	0.09	0.001	-0.10	0.0400	-1.6	0.2	2.3	-1.0
EPA 05	7/3/91	0.15	-0.001	-0.010	-0.010	0.03	-0.05	2.80	0.10	-0.05	0.001	-0.10	0.0422	3.8	-0.2	-1.0	-1.0

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TABLE D.1

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Well No.	Date	Water Elevation (ft AMSL)	Field pH (SU)	Lab pH (SU)	Lab TDS (mg/L)	Ca (mg/L)	Mg (mg/L)	Na (mg/L)	K (mg/L)	HCO_3 (mg/L)	SO_4 (mg/L)	Cl (mg/L)	NH_4 as N (mg/L)	NO_3 as N (mg/L)	Chloro-form (mg/L)	Naphtha-lene (mg/L)	Cyanide (mg/L)
	NRC Standard	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.001	0.001	0.005
	EPA Standard	NA	NA	NA	4,800	NA	NA	NA	NA	NA	2,125	250	NA	190	NA	NA	NA
EPA 05	10/22/91	6,894.70	6.0	6.95	7,076	676	712	263	10.2	653	3,873	226.0	0.32	43.10	-0.00100	-0.001	-0.005
EPA 05	1/23/92	6,894.70	6.1	6.81	6,207	607	679	246	9.7	312	3,679	183.0	0.25	26.30	-0.00100	-0.001	-0.005
EPA 05	4/2/92	6,894.60	5.9	7.21	7,719	703	695	336	13.3	1,091	4,080	289.0	0.32	28.90	-0.00100	-0.001	-0.005
EPA 05	7/15/92	6,894.20	6.2	7.18	7,158	570	659	328	11.4	878	3,934	192.0	0.23	29.60	-0.00100	-0.001	-0.005
EPA 05	10/15/92	6,894.10	6.2	6.85	7,824	612	774	365	12.9	857	4,186	215.0	0.19	67.40	-0.00100	-0.001	-0.005
EPA 05	1/12/93	6,894.50	6.1	6.78	8,011	599	791	344	12.7	880	4,407	214.0	0.19	93.50	-0.00100	-0.001	-0.005
EPA 05	4/15/93	6,894.50	6.1	7.01	7,246	621	751	303	8.8	926	4,024	179.0	0.34	118.00	-0.00100	-0.001	-0.005
EPA 05	7/20/93	6,894.30	6.2	7.14	6,893	598	748	371	9.7	1,000	3,990	224.0	0.22	91.60	-0.00100	-0.001	-0.005
EPA 05	10/12/93	6,892.00	6.5	6.76	7,441	599	923	345	9.4	1,177	4,387	197.0	0.05	72.00	-0.00100	-0.001	-0.005
EPA 05	1/11/94	6,894.00	6.5	7.19	8,037	549	857	318	8.4	1,109	4,491	208.0	0.15	95.20	-0.00100		
EPA 05	4/19/94	6,893.80	6.3	7.72	8,035	625	930	408	10.2	693	4,651	121.0	0.25	91.00	-0.00100		
EPA 05	7/26/94	6,893.70	6.3	7.32	7,684	601	926	399	9.5	1,116	4,492	209.0	0.12	91.90	-0.00100		
EPA 05	10/11/94	6,893.50	6.3	7.41	7,630	572	998	371	9.4	1,077	4,448	204.0	0.13	99.80	-0.00100		
EPA 05	1/11/95	6,893.50	6.3	7.02	8,106	581	960	325	10.8	1,032	4,533	192.0	0.17	87.30	-0.00100		
EPA 05	4/11/95	6,894.10	6.5	6.85	8,693	595	1070	388	10.4	1,168	4,895	245.0	0.36	96.00	-0.00100		
EPA 05	7/11/95	6,893.30	6.5	7.41	8,075	547	1043	388	9.8	1,150	4,604	205.0	0.47	82.90	-0.00100		
EPA 05	10/10/95	6,893.40	6.5	7.56	8,070	550	1018	385	10.2	1,258	4,529	201.0	0.67	86.60	-0.00100		
EPA 05	1/9/96	6,893.20	6.6	7.52	7,693	508	966	376	10.9	1,182	4,420	198.0	1.44	94.00	-0.00100		
EPA 05	4/10/96	6,893.10	6.7	7.54	8,569	590	1110	362	10.7	1,221	5,200	211.0	2.74	89.20	-0.00100		
EPA 05	7/17/96	6,893.00	6.4	6.87	8,522	510	957	372	11.9	1,275	4,404	221.0	1.05	100.00	0.00142		
EPA 05	10/8/96	6,892.90	6.4	7.29	8,870	581	1091	389	12.0	1,294	4,869	211.0	5.80	93.10	0.00142		
EPA 05	1/28/97	6,892.70	6.5	7.81	8,450	538	1050	343	11.3	1,208	4,620	246.0	6.24	86.70	-0.00100		
EPA 05	4/15/97	6,892.60	6.4	7.65	8,670	544	1040	376	12.1	1,220	4,740	221.0	6.61	77.10	-0.00100		
EPA 05	7/15/97	6,892.20	6.3	7.43	8,720	555	1010	351	12.4	1,180	4,570	216.0	7.60	78.10	-0.00100		
EPA 05	10/21/97	6,892.00	6.7	7.70	8,610	587	1100	368	12.7	1,240	4,840	254.0	9.31	90.30	-0.00100		
EPA 05	1/20/98	6,892.60	6.4	7.75	8,290	532	1050	372	13.8	1,100	5,000	223.0	8.79	81.20	0.00110		
EPA 05	4/14/98	6,892.40	6.6	7.16	8,500	575	1010	374	13.2	1,220	4,720	195.0	1.72	83.70	0.00130		
EPA 05	7/14/98	6,891.90	6.6	7.69	8,620	541	963	364	14.0	1,210	4,200	201.0	11.40	67.70	0.00110		
EPA 05	10/6/98	6,897.80	6.5	7.75	8,240	540	979	370	15.0	1,190	4,680	198.0	12.90	80.00	0.00100		
EPA 05	1/12/99	6,892.00	6.5	7.75	8,160	462	909	308	14.4	1,140	4,600	192.0	15.50	71.20	-0.00100		
EPA 05	4/13/99	6,892.20	6.5	7.71	8,100	522	934	322	12.7	1,100	4,160	191.0	12.90	76.40	-0.00100		
EPA 05	7/20/99	6,891.94	6.5	7.55	8,130	567	949	82	16.6	1,090	4,580	198.0	15.00	73.90	-0.00100		
EPA 05	10/12/99	6,891.80	6.5	7.75	7,960	523	899	306	15.0	1,086	4,180	191.0	19.40	64.20	-0.00100		
EPA 05	2/23/00	6,891.90	6.5	7.78	7,920	493	860	286	13.7	1,050	3,980	166.0	14.40	53.20	-0.00100		
EPA 05	6/4/00	6,891.80	6.2	7.56	5,780	461	595	181	14.7	458	3,160	94.0	22.30	42.30	-0.00100		
EPA 05	7/11/00	6,902.20	6.1	7.09	5,720	496	630	188	13.5	415	3,310	92.7	23.00	42.50	-0.00100		
EPA 07*	4/17/89	6,907.80	5.1	4.31	7,750	482	850	190	9.3	0	5,263	166.0	3.20	88.00	-0.00100	-0.001	0.022
EPA 07*	7/26/89	6,907.80	4.4	4.01	7,774	526	871	212	9.1	0	5,092	134.0	3.45	94.00	-0.00100	-0.001	-0.005
EPA 07*	10/5/89	6,908.00	4.2	4.26	8,076	497	877	221	12.0	0	5,272	192.0	3.41	69.00	-0.00100	-0.001	-0.005
EPA 07*	1/16/90	6,908.00	4.2	4.22	8,190	449	915	226	9.1	0	5,108	174.0	3.46	88.00	-0.00100	-0.001	-0.005
EPA 07*	4/17/90	6,907.70	4.2	4.30	9,172	453	1100	226	8.7	0	5,392	182.0	3.95	96.00	-0.00100	-0.001	-0.005
EPA 07*	7/17/90	6,907.10	4.4	4.35	9,566	496	1009	230	10.0	0	5,739	176.0	1.90	84.00	0.00100	-0.001	-0.005
EPA 07*	10/9/90		4.4	4.63	8,003	449	928	241	10.5	10	5,204	169.0	1.17	36.20	-0.00100	-0.001	-0.005

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TABLE D.1

ZONE 1 DATA SUMMARY
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Well No.	Date	Al (mg/L)	As (mg/L)	Be (mg/L)	Cd (mg/L)	Co (mg/L)	Pb (mg/L)	Mn (mg/L)	Mo (mg/L)	Ni (mg/L)	Se (mg/L)	V (mg/L)	U (mg/L)	Ra-226+ Ra-228 (pCi/L)	Th-230 (pCi/L)	Pb-210 (pCi/L)	Gross Alpha (pCi/L)
	NRC Standard	NA	0.05	0.05	0.01	NA	0.05	NA	NA	0.05	0.01	0.10	0.3	5.0	5.0	1.0	15.0
	EPA Standard	5.0	0.05	0.02	0.01	0.05	0.05	2.60	1.00	0.20	0.01	0.70	5.0	5.0	NA	NA	15.0
EPA 05	10/22/91	0.17	-0.001	-0.010	-0.010	0.05	-0.05	3.31	-0.10	0.10	0.003	-0.10	0.0021	2.5	-0.2	1.8	-1.0
EPA 05	1/23/92	-0.10	-0.001	-0.010	-0.010	0.06	-0.05	3.00	-0.10	0.08	-0.001	-0.10	0.0640	1.7	-0.2	1.4	-1.0
EPA 05	4/2/92	-0.10	-0.001	-0.010	-0.010	0.05	-0.05	2.56	-0.10	-0.05	0.013	-0.10	0.0020	3.0	-0.2	6.0	-1.0
EPA 05	7/15/92	-0.10	-0.001	-0.010	-0.010	0.06	-0.05	2.31	-0.10	0.07	0.003	-0.10	0.0050	5.4	-0.2	1.5	-1.0
EPA 05	10/15/92	-0.10	0.001	-0.010	-0.010	0.10	-0.05	1.96	-0.10	0.12	0.005	-0.10	0.1050	-2.3	-0.2	-1.0	1.9
EPA 05	1/12/93	-0.10	-0.001	-0.010	-0.010	0.12	-0.05	1.65	-0.10	0.06	0.030	-0.10	0.0770	3.2	-0.2	-1.0	1.5
EPA 05	4/15/93	-0.10	-0.001	-0.010	-0.010	0.05	-0.05	1.95	-0.10	0.08	0.003	-0.10	0.0360	1.3	-0.2	1.6	-1.0
EPA 05	7/20/93	-0.10	-0.001	-0.010	-0.010	0.07	-0.05	1.36	-0.10	0.09	0.005	-0.10	0.0730	4.2	-0.2	-1.0	1.8
EPA 05	10/12/93	-0.10	-0.001	-0.010	-0.010	0.08	-0.05	1.39	-0.10	0.08	0.004	-0.10	0.0840	4.2	-0.2	2.9	5.3
EPA 05	1/11/94	-0.10	-0.001	-0.010	-0.010	0.07	-0.05	1.45	-0.10	0.09	0.002	-0.10	0.1000	2.0	-0.2	-1.0	3.6
EPA 05	4/19/94	-0.10	0.001	-0.010	-0.010	0.12	-0.05	1.19	-0.10	-0.05	0.003	-0.10	0.1010	7.6	-0.2	1.0	10.6
EPA 05	7/26/94	0.16	-0.001	-0.010	-0.010	0.07	-0.05	1.27	-0.10	0.05	0.002	-0.10	0.1020	8.8	-0.2	1.4	12.8
EPA 05	10/11/94	-0.10	-0.001	-0.010	-0.010	0.09	-0.05	1.02	-0.10	0.14	0.002	-0.10	0.0950	-3.1	-0.2	-1.0	2.3
EPA 05	1/11/95	-0.10	-0.001	-0.010	-0.010	0.06	-0.05	1.11	-0.10	0.09	0.003	-0.10	0.1090	4.5	-0.2	-1.0	6.4
EPA 05	4/11/95	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	0.85	-0.10	-0.05	0.004	-0.10	0.1020	2.6	-0.2	-1.0	3.6
EPA 05	7/11/95	-0.10	-0.001	-0.010	-0.010	0.07	-0.05	0.60	-0.10	0.06	0.004	-0.10	0.0900	-2.1	-0.2	-1.0	5.6
EPA 05	10/10/95	-0.10	-0.001	-0.010	-0.010	0.05	-0.05	0.53	-0.10	0.05	0.012	-0.10	0.1132	6.2	0.7	-1.0	2.1
EPA 05	1/9/96	-0.10	-0.001	-0.010	-0.010	0.06	-0.05	0.49	-0.10	-0.05	0.018	-0.10	0.1240	2.5	-0.2	-1.0	1.5
EPA 05	4/10/96	-0.10	-0.001	-0.010	-0.010	0.05	-0.05	0.47	-0.10	0.05	0.001	-0.10	0.1260	3.5	0.7	-1.0	-1.0
EPA 05	7/17/96	-0.10	-0.001	-0.010	-0.010	0.06	-0.05	0.49	-0.10	0.06	0.004	-0.10	0.1250	1.9	-0.2	-1.0	-1.0
EPA 05	10/8/96	-0.10	-0.001	-0.010	-0.010	0.06	-0.05	0.51	-0.10	0.06	0.002	-0.10	0.1170	-1.6	-0.2	-1.0	-1.0
EPA 05	1/28/97	-0.10	-0.001	-0.010	-0.010	0.06	-0.05	0.48	-0.10	0.05	0.003	-0.10	0.0860	-1.7	2.0	-1.0	1.6
EPA 05	4/15/97	-0.10	-0.001	-0.010	-0.010	0.05	-0.05	0.47	-0.10	0.06	0.024	-0.10	0.1070	-2.8	-0.2	-1.0	-1.0
EPA 05	7/15/97	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	0.41	-0.10	0.05	0.006	-0.10	0.0970	-1.9	-0.2	-1.0	-1.0
EPA 05	10/21/97	0.11	-0.001	-0.010	-0.010	0.07	-0.05	0.53	0.50	0.06	0.018	-0.10	0.1210	4.2	-0.2	-1.0	-1.0
EPA 05	1/20/98	-0.10	-0.001	-0.010	-0.005	0.07	-0.05	0.63	3.10	-0.05	-0.001	-0.10	0.2390	3.9	-0.2	-1.0	5.0
EPA 05	4/14/98	-0.10	-0.001	-0.010	-0.005	0.06	-0.05	0.57	0.53	0.05	0.005	-0.10	0.1470	-2.4	-0.2	-1.0	-1.0
EPA 05	7/14/98	-0.10	-0.001	-0.010	-0.005	0.06	-0.05	0.54	0.50	-0.05	0.005	-0.10	0.1730	-2.3	-0.2	-1.0	-1.0
EPA 05	10/6/98	-0.10	-0.001	-0.010	-0.005	0.05	-0.05	0.53	0.55	-0.05	0.005	-0.10	0.1390	4.5	-0.2	-1.0	2.2
EPA 05	1/12/99	-0.10	-0.001	-0.010	-0.005	0.04	-0.05	0.53	0.43	-0.05	-0.001	-0.10	0.1490	4.9	-0.2	-1.0	-1.0
EPA 05	4/13/99	-0.10	-0.001	-0.010	-0.005	0.06	-0.05	0.53	0.44	-0.05	0.004	-0.10	0.1300	3.1	-0.2	-1.0	3.5
EPA 05	7/20/99	-0.10	-0.001	-0.010	-0.005	0.05	-0.05	0.49	0.36	-0.05	0.004	-0.10	0.1270	-2.6	-0.2	-1.0	2.2
EPA 05	10/12/99	-0.10	-0.001	-0.010	-0.005	0.04	-0.05	0.59	0.35	-0.05	0.001	-0.10	0.1240	-2.2	0.2	-1.0	1.0
EPA 05	2/23/00	-0.10	-0.001	-0.010	-0.005	0.06	-0.05	0.51	0.37	0.07	0.005	-0.10	0.1110	1.9	-0.2	-1.0	-1.0
EPA 05	6/4/00	-0.10	-0.001	-0.010	-0.005	0.08	-0.05	1.23	-0.10	0.10	0.003	-0.10	0.0365	2.7	-0.2	-1.0	-1.0
EPA 05	7/11/00	-0.10	-0.001	-0.010	-0.005	0.08	0.05	1.16	-0.10	-0.05	-0.001	-0.10	0.0219	3.0	-0.2	-1.0	-1.0
EPA 07*	4/17/89		-0.001	-0.050	-0.010		-0.05	25.00		0.25	-0.001	-0.10	0.0072	9.0	-0.2	-1.0	3.1
EPA 07*	7/26/89	94.00	-0.001	-0.050	-0.010	0.25	-0.05	24.00	-0.10	0.27	-0.001	-0.10	0.0080	6.1	6.0	-1.0	9.0
EPA 07*	10/5/89	99.00	-0.001	-0.050	-0.010	0.26	0.09	25.00	-0.01	0.29	0.002	-0.10	0.0120	5.3	0.8	-1.0	2.5
EPA 07*	1/16/90	96.00	-0.001	-0.050	-0.010	0.34	-0.05	27.00	-0.10	0.35	0.002	-0.10	0.0080	6.9	-0.2	1.0	1.5
EPA 07*	4/17/90	100.00	-0.001	-0.050	-0.010	0.36	-0.05	42.00	-0.10	0.44	-0.001	-0.10	0.0060	8.5	-0.2	-1.0	2.8
EPA 07*	7/17/90	80.10	-0.001	-0.050	-0.010	0.30	-0.05	42.30	-0.10	0.45	-0.001	-0.10	0.0155	5.8	0.2	-1.0	-1.0
EPA 07*	10/9/90	39.10	-0.001	-0.050	0.010	0.46	-0.05	26.90	-0.10	0.48	-0.001	-0.10	0.0052	7.3	-0.2	-1.0	4.0

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TABLE D.1

ZONE 1 DATA SUMMARY
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Well No.	Date	Water Elevation (ft AMSL)	Field pH (SU)	Lab pH (SU)	Lab TDS (mg/L)	Ca (mg/L)	Mg (mg/L)	Na (mg/L)	K (mg/L)	HCO_3 (mg/L)	SO_4 (mg/L)	Cl (mg/L)	NH_4 as N (mg/L)	NO_3 as N (mg/L)	Chloro-form (mg/L)	Naphtha-lene (mg/L)	Cyanide (mg/L)
	NRC Standard														0.001	0.001	0.005
	EPA Standard	NA	NA	NA	4,800	NA	NA	NA	NA	NA	2,125	250	NA	190	NA	NA	NA
EPA 07*	1/3/91		4.6	4.68	7,145	475	829	262	24.4	6	4,572	117.0	1.67	29.30	-0.00100	-0.001	-0.005
EPA 07*	4/17/91		5.0	5.37	6,918	454	757	252	12.4	15	4,676	117.0	1.30	40.50	-0.00100	-0.001	-0.005
EPA 07*	7/11/91		5.0	5.80	6,957	386	759	230	10.1	39	4,506	99.7	1.01	28.10	-0.00100	-0.001	-0.005
EPA 07*	10/17/91		5.2	5.69	6,827	473	712	257	12.6	39	4,296	111.0	1.25	25.00	-0.00100	-0.001	-0.005
EPA 07*	1/16/92		5.1	6.31	6,893	397	769	235	10.0	44	4,409	113.0	1.50	29.80	-0.00100	-0.001	-0.005
EPA 07*	4/13/92		5.2	6.25	6,768	409	568	263	11.6	69	4,167	116.0	1.10	25.10	-0.00100	-0.001	-0.005
EPA 07*	7/15/92		5.5	6.37	6,446	390	628	287	11.4	95	4,088	94.4	0.60	30.60	-0.00100	-0.001	-0.005
EPA 07*	10/7/92		5.6	6.14	6,406	449	654	333	15.2	112	4,150	90.8	0.85	15.30	-0.00100	-0.001	-0.005
EPA 07*	1/7/93		5.6	6.79	5,654	469	640	281	11.8	134	3,675	98.4	0.92	45.60	-0.00100	-0.001	-0.005
EPA 07*	4/7/93		5.6	6.32	5,787	409	639	293	9.2	108	4,101	115.0	0.78	35.90	-0.00100	-0.001	-0.005
EPA 07*	7/14/93		5.7	6.08	6,729	495	696	270	9.7	144	4,208	65.9	0.84	27.80	-0.00100	-0.001	-0.005
EPA 07*	10/7/93		5.6	6.07	5,989	460	678	250	9.6	142	4,049	106.0	0.75	41.40	-0.00100	-0.001	-0.005
EPA 07*	1/6/94		5.7	6.27	6,870	454	646	277	9.2	135	4,312	126.0	0.87	39.60	-0.00100		
EPA 07*	4/12/94		5.8	6.33	6,573	443	669	257	9.5	140	4,378	121.0	1.88	35.70	-0.00100		
EPA 07*	7/26/94		5.9	6.87	6,463	511	689	289	10.1	139	4,144	120.0	0.88	37.40	-0.00100		
EPA 07*	10/4/94		5.8	7.16	7,011	559	822	299	10.3	160	4,647	141.0	2.94	46.20	-0.00100		
EPA 07*	1/11/95	6,903.70	5.8	6.45	8,136	540	900	353	9.4	326	4,737	215.0	1.37	131.00	0.00104		
EPA 07*	4/11/95	6,904.40	5.9	6.35	7,549	510	798	370	7.2	397	4,566	244.0	1.27	139.00	0.00108		
EPA 07*	7/11/95	6,903.90	6.0	6.96	7,971	475	931	346	6.9	426	4,475	235.0	1.25	145.00	-0.00100		
EPA 07*	10/10/95	6,904.10	6.0	7.50	7,558	507	916	371	7.7	403	4,368	200.0	1.12	137.00	-0.00100		
EPA 07*	1/9/96	6,903.90	6.1	7.36	7,349	474	894	352	7.6	438	4,400	200.0	1.03	141.00	0.00105		
EPA 07*	4/10/96	6,903.80	6.3	7.26	8,204	552	1040	349	7.4	428	5,070	214.0	1.07	147.00	-0.00100		
EPA 07*	7/17/96	6,903.60	6.2	6.36	8,403	483	923	344	7.9	392	4,529	222.0	0.72	156.00	0.00156		
EPA 07*	10/8/96	6,903.40	6.1	6.97	8,440	534	1018	346	7.9	400	4,920	206.0	1.20	142.00	0.00502		
EPA 07*	1/28/97	6,903.30	6.2	7.61	8,280	485	1041	308	7.6	389	4,555	239.0	1.21	137.00	0.00123		
EPA 07*	4/15/97	6,903.10	6.1	7.26	8,440	504	999	338	8.3	386	4,820	215.0	1.27	132.00	-0.00100		
EPA 07*	7/15/97	6,902.80	5.9	7.15	8,390	437	984	318	8.2	372	4,780	209.0	1.28	137.00	0.00120		
EPA 07*	10/15/97	6,902.50	5.9	7.64	8,410	528	1000	314	7.5	349	5,010	238.0	1.49	130.00	-0.00100		
EPA 07*	1/20/98	6,903.90	5.9	7.48	8,340	534	947	335	9.6	340	5,100	217.0	1.89	139.00	0.00110		
EPA 07*	4/14/98	6,902.60	6.0	6.75	8,310	514	969	337	8.0	333	4,870	184.0	1.32	138.00	0.00120		
EPA 07*	7/14/98	6,902.20	6.1	7.30	8,460	486	942	322	8.3	342	4,300	186.0	1.37	133.00	0.00120		
EPA 07*	10/6/98	6,904.00	6.1	8.09	8,150	481	951	327	8.4	325	4,730	183.0	1.58	139.00	0.00130		
EPA 07*	1/12/99	6,903.00	6.0	7.70	8,180	424	900	294	8.6	345	4,750	189.0	1.31	137.00	-0.00100		
EPA 07*	4/13/99	6,903.00	6.0	7.26	8,020	468	926	308	7.9	355	4,320	186.0	1.31	140.00	-0.00100		
EPA 07*	7/20/99	6,903.06	6.1	7.20	8,120	491	880	307	9.5	361	4,500	166.0	1.11	130.00	-0.00100		
EPA 07*	10/12/99	6,903.20	6.0	7.50	7,940	476	903	300	8.4	366	4,370	187.0	1.15	134.00	0.00140		
EPA 07*	2/23/00	6,902.80	6.1	7.73	7,890	439	846	284	8.9	367	4,000	171.0	0.90	122.00	0.00130		
EPA 07*	6/4/00	6,902.50	5.9	7.28	7,750	430	827	306	10.6	362	3,870	168.0	0.99	138.00	0.00120		
EPA 07*	7/11/00	6,902.20	5.8	7.28	7,630	488	897	321	7.5	399	4,160	167.0	0.75	150.00	0.00190		
EPA 08	4/17/89	6,856.80	7.0														
EPA 08	5/4/89		6.8	6.25	4,442	468	370	210	7.9	118	2,970	33.1	0.76	0.02	-0.00100	-0.001	-0.005
EPA 08	7/26/89	6,857.40	6.8	5.89	4,304	521	366	222	8.1	163	3,007	35.9	0.88	0.06	-0.00100	-0.001	-0.005
EPA 08	10/5/89	6,858.00	6.5	6.96	4,454	513	379	206	9.9	169	2,863	35.4	0.84	0.09	-0.00100	-0.001	-0.005

Refer to page 1 for explanatory notes

TABLE D.1

ZONE 1 DATA SUMMARY
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Well No.	Date	Al (mg/L)	As (mg/L)	Be (mg/L)	Cd (mg/L)	Co (mg/L)	Pb (mg/L)	Mn (mg/L)	Mo (mg/L)	Ni (mg/L)	Se (mg/L)	V (mg/L)	U (mg/L)	Ra-226+ Ra-228 (pCi/L)	Th-230 (pCi/L)	Pb-210 (pCi/L)	Gross Alpha (pCi/L)
	NRC Standard	NA	0.05	0.05	0.01	NA	0.05	NA	NA	0.05	0.01	0.10	0.3	5.0	5.0	1.0	15.0
	EPA Standard	5.0	0.05	0.02	0.01	0.05	0.05	2.60	1.00	0.20	0.01	0.70	5.0	5.0	NA	NA	15.0
EPA 07*	1/3/91	18.00	-0.001	-0.010	-0.010	0.25	-0.05	17.60	-0.10	0.30	0.001	-0.10	0.0081	16.3	-0.2	-1.0	8.0
EPA 07*	4/17/91	6.15	-0.001	-0.010	-0.010	0.12	-0.05	13.28	-0.10	0.18	-0.001	-0.10	0.0020	13.0	-0.2	1.7	2.0
EPA 07*	7/11/91	0.18	-0.001	-0.010	-0.010	0.12	-0.05	12.51	-0.10	0.16	0.017	-0.10	0.0038	12.1	-0.2	-1.0	3.0
EPA 07*	10/17/91	1.15	0.001	-0.010	-0.010	0.15	-0.05	13.51	-0.10	0.16	0.001	-0.10	0.0009	9.3	-0.2	-1.0	2.0
EPA 07*	1/16/92	1.91	-0.001	-0.010	-0.010	0.13	-0.05	13.60	-0.10	0.19	0.018	-0.10	0.0050	9.2	-0.2	-1.0	3.0
EPA 07*	4/13/92	0.60	-0.001	-0.010	-0.010	0.13	-0.05	13.30	-0.10	0.18	0.014	-0.10	0.0010	9.8	-0.2	-1.0	2.4
EPA 07*	7/15/92	0.72	-0.001	-0.010	-0.010	0.10	-0.05	10.50	-0.10	0.13	-0.001	-0.10	0.0030	14.8	-0.2	-1.0	3.0
EPA 07*	10/7/92	0.80	-0.001	-0.010	-0.010	0.10	-0.05	11.00	-0.10	0.15	-0.001	-0.10	0.0003	10.1	-0.2	-1.0	2.6
EPA 07*	1/7/93	0.60	-0.001	-0.010	-0.010	0.12	-0.05	11.30	-0.10	0.21	-0.010	-0.10	0.0070	9.2	-0.2	-1.0	2.1
EPA 07*	4/7/93	1.40	0.001	-0.010	-0.010	0.17	-0.05	11.60	-0.10	0.17	-0.001	-0.10	-0.0003	10.3	-0.2	1.3	1.5
EPA 07*	7/14/93	0.53	-0.001	-0.010	-0.010	0.13	-0.05	10.20	-0.10	0.19	0.002	-0.10	-0.0003	8.0	-0.2	-1.0	2.8
EPA 07*	10/7/93	0.62	-0.001	-0.010	-0.010	0.12	-0.05	7.99	-0.10	0.21	-0.001	-0.10	-0.0060	9.2	-0.2	1.8	13.0
EPA 07*	1/6/94	0.84	-0.001	-0.010	-0.010	0.13	-0.05	9.79	-0.10	0.22	-0.001	-0.10	-0.0003	-4.1	-0.2	1.7	4.1
EPA 07*	4/12/94	0.63	-0.001	-0.010	-0.010	0.12	-0.05	9.59	-0.10	0.21	-0.001	-0.10	0.0010	6.3	-0.2	-1.0	8.2
EPA 07*	7/26/94	0.59	-0.001	-0.010	-0.010	0.16	-0.05	9.72	-0.10	0.21	0.003	-0.10	0.0020	3.7	-0.2	-1.0	4.6
EPA 07*	10/4/94	0.74	-0.001	-0.010	-0.010	0.10	-0.05	8.52	-0.10	0.15	-0.001	-0.10	0.0030	7.6	-0.2	-1.0	9.8
EPA 07*	1/11/95	0.50	-0.001	-0.010	-0.010	0.06	-0.05	4.44	-0.10	0.10	-0.001	-0.10	0.0010	7.8	-0.2	4.8	11.1
EPA 07*	4/11/95	0.41	-0.001	-0.010	-0.010	-0.01	-0.05	3.81	-0.10	-0.05	-0.001	-0.10	0.0010	6.6	-0.2	-1.0	9.0
EPA 07*	7/11/95	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	4.02	-0.10	-0.05	-0.001	-0.10	0.0020	-3.0	0.5	14.9	16.3
EPA 07*	10/10/95	0.22	0.002	-0.010	-0.010	0.04	-0.05	4.84	-0.10	-0.05	0.040	-0.10	0.0023	9.0	-0.2	-1.0	5.4
EPA 07*	1/9/96	0.17	0.003	-0.010	-0.010	0.04	-0.05	5.35	-0.10	-0.05	0.067	-0.10	0.0038	4.7	-0.2	-1.0	2.4
EPA 07*	4/10/96	0.22	-0.001	-0.010	-0.010	0.06	-0.05	6.60	-0.10	-0.05	-0.001	-0.10	0.0024	3.3	0.8	-1.0	3.1
EPA 07*	7/17/96	0.25	-0.001	-0.010	-0.010	0.08	-0.05	9.71	-0.10	0.08	-0.001	-0.10	0.0032	-2.2	-0.2	-1.0	4.3
EPA 07*	10/8/96	0.27	-0.001	-0.010	-0.010	0.08	-0.05	10.50	-0.10	0.09	-0.001	-0.10	0.0003	-2.3	-0.2	-1.0	-1.0
EPA 07*	1/28/97	0.27	-0.001	-0.010	-0.010	0.07	-0.05	11.20	-0.10	0.09	-0.001	-0.10	0.0003	-3.3	-0.2	7.9	2.0
EPA 07*	4/15/97	0.38	-0.001	-0.010	-0.010	0.09	-0.05	12.40	-0.10	0.12	0.060	-0.10	0.0010	2.8	-0.2	-1.0	-1.0
EPA 07*	7/15/97	0.19	-0.001	-0.010	-0.010	-0.01	-0.05	12.50	-0.10	0.11	-0.001	-0.10	0.0010	4.5	-0.2	-1.0	-1.0
EPA 07*	10/15/97	0.25	-0.001	-0.010	-0.010	0.13	-0.05	15.20	-0.10	0.13	-0.001	-0.10	0.0020	-1.2	-0.2	-1.0	-1.0
EPA 07*	1/20/98	0.80	-0.001	-0.010	-0.005	0.14	-0.05	17.60	-0.10	0.16	-0.001	-0.10	0.0021	-2.0	-0.2	-1.0	-1.0
EPA 07*	4/14/98	0.48	-0.001	-0.010	-0.005	0.10	-0.05	12.50	-0.10	0.10	-0.001	-0.10	0.0020	-2.5	-0.2	-1.0	-1.0
EPA 07*	7/14/98	0.18	-0.001	-0.010	-0.005	0.10	-0.05	15.10	-0.10	0.12	-0.001	-0.10	0.0023	3.2	-0.2	-1.0	-1.0
EPA 07*	10/6/98	0.24	-0.001	-0.010	-0.005	-0.01	-0.05	13.40	-0.10	0.14	-0.001	-0.10	0.0019	3.5	-0.2	-1.0	4.9
EPA 07*	1/12/99	0.13	-0.001	-0.010	0.007	0.09	-0.05	12.60	-0.10	0.08	-0.001	-0.10	0.0110	6.9	-0.2	-1.0	-1.0
EPA 07*	4/13/99	0.29	-0.001	-0.010	-0.005	0.09	-0.05	12.50	-0.10	0.11	-0.001	-0.10	0.0017	3.3	-0.2	-1.0	3.8
EPA 07*	7/20/99	-0.01	-0.001	-0.010	-0.005	-0.01	-0.05	9.30	-0.10	-0.05	-0.001	-0.10	0.0019	-4.0	-0.2	-1.0	5.2
EPA 07*	10/12/99	0.18	-0.001	-0.010	-0.005	0.07	-0.05	11.80	-0.10	0.08	-0.001	-0.10	0.0009	3.5	-0.2	-1.0	1.1
EPA 07*	2/23/00	0.29	-0.001	-0.010	-0.005	0.08	-0.05	9.94	-0.10	0.13	-0.001	-0.10	0.0021	-2.2	-0.2	-1.0	2.3
EPA 07*	6/4/00	2.90	-0.001	-0.010	-0.005	0.08	-0.05	11.40	-0.10	0.10	-0.001	-0.10	0.0032	3.1	-0.2	-1.0	2.0
EPA 07*	7/11/00	3.57	-0.001	-0.010	-0.005	0.07	-0.05	9.69	-0.10	-0.05	-0.001	-0.10	0.0026	4.8	-0.2	-1.0	2.8
EPA 08	4/17/89																
EPA 08	5/4/89		0.001	-0.050	-0.010		-0.05	3.00		-0.05	-0.001	-0.10	-0.2000	3.9	0.3	-1.0	5.9
EPA 08	7/26/89	-0.10	-0.001	-0.050	-0.010	-0.01	-0.05	3.00	-0.10	-0.05	-0.001	-0.10	0.0012	3.1	0.9	1.7	-1.0
EPA 08	10/5/89	0.13	-0.001	-0.050	-0.010	-0.01	-0.05	2.90	-0.01	-0.05	-0.001	-0.10	0.0040	-2.0	-0.2	2.1	1.5

Refer to page 1 for explanatory notes

TABLE D.1

ZONE 1 DATA SUMMARY
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Well No.	Date	Water Elevation (ft AMSL)	Field pH (SU)	Lab pH (SU)	Lab TDS (mg/L)	Ca (mg/L)	Mg (mg/L)	Na (mg/L)	K (mg/L)	HCO_3 (mg/L)	SO_4 (mg/L)	Cl (mg/L)	NH_4 as N (mg/L)	NO_3 as N (mg/L)	Chloro-form (mg/L)	Naphtha-lene (mg/L)	Cyanide (mg/L)
	NRC Standard	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.001	0.001	0.005
	EPA Standard	NA	NA	NA	4,800	NA	NA	NA	NA	NA	2,125	250	NA	190	NA	NA	NA
EPA 08	1/16/90	6,858.50	6.5	6.40	4,478	486	348	209	8.2	165	2,860	33.2	0.91	0.11	-0.00100	-0.001	-0.005
EPA 08	4/17/90	6,858.70	6.4	6.61	4,577	496	344	210	7.9	165	2,738	36.3	0.93	0.16	-0.00100	-0.001	-0.005
EPA 08	7/17/90	6,858.70	6.5	6.46	4,699	613	431	183	8.5	159	2,893	35.7	0.54	0.06	-0.00100	-0.001	-0.005
EPA 08	10/16/90	6,859.20	6.5	6.73	4,681	509	383	189	8.0	148	3,053	43.4	0.71	0.03	-0.00100	-0.001	-0.005
EPA 08	1/8/91	6,859.40	6.5	6.50	4,648	530	387	194	19.0	159	2,959	39.4	0.86	0.04	-0.00100	-0.001	-0.005
EPA 08	4/17/91	6,860.00	6.4	7.18	4,833	543	379	198	8.1	140	3,164	45.4	0.82	3.30	-0.00100	-0.001	-0.005
EPA 08	7/3/91	6,859.90	6.3	6.40	4,711	514	373	161	7.1	141	3,242	22.1	0.86	0.06	-0.00100	-0.001	-0.005
EPA 08	10/22/91	6,860.50	6.3	6.29	4,612	497	366	182	7.6	166	2,998	39.6	1.01	0.23	-0.00100	-0.001	-0.005
EPA 08	1/22/92	6,860.80	6.4	6.51	4,311	525	376	155	7.3	128	3,014	73.4	0.88	-0.01	-0.00100	-0.001	-0.005
EPA 08	4/2/92	6,860.80	6.3	7.65	4,704	559	394	203	8.8	165	3,034	36.4	0.98	-0.01	-0.00100	-0.001	-0.005
EPA 08	7/15/92	6,860.10	6.4	6.64	4,809	521	388	176	7.7	126	3,120	39.6	0.58	-0.10	-0.00100	-0.001	-0.005
EPA 08	10/14/92	6,860.30	6.6	6.47	4,762	536	384	159	9.4	132	3,158	39.3	0.66	-0.10	-0.00100	-0.001	-0.005
EPA 08	1/13/93	6,860.10	6.6	6.63	4,739	528	637	157	7.8	147	3,159	37.7	1.08	-0.10	-0.00100	-0.001	-0.005
EPA 08	4/15/93	6,861.00	6.6	6.53	4,910	479	359	183	6.6	125	3,019	40.8	0.80	-0.10	-0.00100	-0.001	-0.005
EPA 08	7/20/93	6,862.80	6.6	7.10	4,144	562	352	159	7.9	134	2,956	39.6	0.69	-0.10	-0.00100	-0.001	-0.005
EPA 08	10/12/93	6,859.40	6.7	6.19	4,366	561	370	169	7.1	117	3,110	36.9	0.71	-0.10	-0.00100	-0.001	-0.005
EPA 08	1/11/94	6,861.30	6.7	6.46	4,765	528	366	177	6.7	111	3,197	39.4	0.74	-0.10	-0.00100		
EPA 08	4/20/94	6,861.40	6.5	6.22	4,532	530	368	162	6.4	116	3,154	39.6	1.33	-0.10	-0.00100		
EPA 08	7/26/94	6,862.60	6.5	7.13	4,389	592	379	142	7.5	109	3,049	38.7	0.72	-0.10	-0.00100		
EPA 08	10/11/94	6,861.50	6.5	6.90	4,809	572	425	157	7.5	119	3,367	41.5	1.08	-0.10	-0.00100		
EPA 08	1/10/95	6,861.70	6.4	6.62	4,848	644	388	142	8.5	139	3,277	42.0	1.31	-0.10	-0.00100		
EPA 08	4/6/95	6,861.60	6.5	6.48	4,867	651	345	154	7.5	108	3,364	40.2	1.52	-0.10	-0.00100		
EPA 08	7/11/95	6,861.80	6.9	7.05	4,212	550	408	144	7.3	127	2,906	42.0	1.29	-0.10	-0.00100		
EPA 08	10/10/95	6,861.90	6.6	7.13	4,348	575	411	160	7.3	127	2,965	38.4	0.93	-0.10	-0.00100		
EPA 08	1/9/96	6,862.00	6.7	7.29	4,185	545	401	156	7.9	162	2,863	37.6	0.68	-0.10	-0.00100		
EPA 08	4/10/96	6,862.20	6.9	7.24	4,857	620	444	148	7.6	149	3,460	41.8	0.75	-0.10	-0.00100		
EPA 08	7/17/96	6,862.30	6.8	6.63	4,876	560	395	159	8.0	165	3,085	37.6	0.13	-0.10	-0.00100		
EPA 08	10/8/96	6,862.30	6.6	6.98	4,880	603	441	157	8.0	148	3,061	39.0	0.73	-0.10	-0.00100		
EPA 08	1/28/97	6,862.30	6.9	7.31	4,870	565	415	141	7.6	143	3,130	51.0	0.69	-0.10	-0.00100		
EPA 08	4/15/97	6,862.40	6.6	7.10	4,890	604	440	160	8.2	156	3,330	42.0	0.73	-0.10	-0.00100		
EPA 08	7/15/97	6,862.20	6.6	7.11	4,860	603	432	145	7.8	138	3,200	45.2	0.73	-0.10	-0.00100		
EPA 08	10/15/97	6,862.40	6.5	7.49	4,850	617	444	147	7.6	133	3,190	53.7	0.75	-0.10	-0.00100		
EPA 08	1/20/98	6,863.00	6.6	7.53	4,840	598	439	156	8.4	133	3,400	45.3	1.12	-0.10	-0.00100		
EPA 08	4/14/98	6,862.70	6.7	6.93	4,850	592	431	151	7.8	159	3,300	39.6	0.74	-0.10	-0.00100		
EPA 08	7/14/98	6,862.40	6.6	7.17	4,820	594	430	154	8.3	132	3,000	39.7	0.85	0.10	-0.00100		
EPA 08	10/6/98	6,864.80	6.5	7.58	4,780	566	428	156	8.3	134	3,150	38.5	1.07	-0.10	-0.00100		
EPA 08	1/12/99	6,865.50	6.6	7.20	4,840	594	432	139	8.0	130	3,200	41.0	0.81	-0.10	-0.00100		
EPA 08	4/13/99	6,863.30	6.6	7.35	4,630	558	420	136	7.7	131	3,000	45.7	0.91	-0.10	-0.00100		
EPA 08	7/20/99	6,863.00	6.4	7.18	4,780	514	379	169	10.3	119	2,710	47.0	0.76	0.10	-0.00100		
EPA 08	10/12/99	6,862.90	6.5	7.44	4,790	552	414	133	7.7	121	3,000	42.9	0.71	-0.10	-0.00100		
EPA 08	2/23/00	6,863.20	6.6	7.29	4,720	510	387	127	8.1	125	2,750	39.3	0.79	-0.10	-0.00100		
EPA 08	5/15/00	6,864.00															
EPA 08	7/20/00	6,863.40															

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TABLE D.1

ZONE 1 DATA SUMMARY
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Well No.	Date	Al (mg/L)	As (mg/L)	Be (mg/L)	Cd (mg/L)	Co (mg/L)	Pb (mg/L)	Mn (mg/L)	Mo (mg/L)	Ni (mg/L)	Se (mg/L)	V (mg/L)	U (mg/L)	Ra-226+ Ra-228 (pCi/L)	Th-230 (pCi/L)	Pb-210 (pCi/L)	Gross Alpha (pCi/L)
	NRC Standard	NA	0.05	0.05	0.01	NA	0.05	NA	NA	0.05	0.01	0.10	0.3	5.0	5.0	1.0	15.0
	EPA Standard	5.0	0.05	0.02	0.01	0.05	0.05	2.60	1.00	0.20	0.01	0.70	5.0	5.0	NA	NA	15.0
EPA 08	1/16/90	-0.10	0.001	-0.050	-0.010	-0.01	-0.05	3.30	-0.10	-0.05	-0.001	-0.10	0.0030	3.3	-0.2	-1.0	0.9
EPA 08	4/17/90	-0.10	0.001	-0.050	-0.010	-0.01	-0.05	3.00	-0.10	-0.05	-0.001	-0.10	0.0030	2.4	-0.2	1.7	1.9
EPA 08	7/17/90	0.14	0.002	-0.050	-0.010	-0.01	-0.05	3.41	-0.10	-0.05	-0.001	-0.10	0.0019	-1.6	-0.2	-1.0	-1.0
EPA 08	10/16/90	-0.10	0.002	-0.050	-0.010	-0.01	-0.05	3.40	-0.10	-0.05	-0.001	-0.10	0.0007	3.2	-0.2	-1.0	-1.0
EPA 08	1/8/91	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	3.32	-0.10	-0.05	-0.001	-0.10	0.0027	3.5	-0.2	-1.0	2.0
EPA 08	4/17/91	0.16	-0.001	-0.010	-0.010	-0.01	-0.05	3.82	-0.10	-0.05	-0.001	-0.10	0.0020	6.6	-0.2	-1.0	2.0
EPA 08	7/3/91	0.60	0.002	-0.010	-0.010	-0.01	-0.05	2.93	-0.10	-0.05	-0.001	-0.10	0.0015	2.9	-0.2	-1.0	-1.0
EPA 08	10/22/91	0.24	-0.001	-0.010	-0.010	0.02	-0.05	3.22	-0.10	-0.05	-0.001	-0.10	0.0436	2.8	-0.2	-1.0	-1.0
EPA 08	1/22/92	-0.10	-0.001	-0.010	-0.010	-0.01	0.05	2.88	-0.10	-0.05	-0.001	-0.10	0.0010	-6.4	-0.2	1.3	5.0
EPA 08	4/2/92	-0.10	0.001	-0.010	-0.010	-0.01	-0.05	3.43	-0.10	-0.05	-0.001	-0.10	0.0010	4.3	-0.2	-1.0	-1.0
EPA 08	7/15/92	-0.10	0.002	-0.010	-0.010	-0.01	-0.05	3.17	-0.10	-0.05	-0.001	-0.10	0.0030	6.8	-0.2	-1.0	1.5
EPA 08	10/14/92	0.21	0.001	-0.010	-0.010	-0.01	-0.05	3.09	-0.10	-0.05	-0.001	-0.10	0.0003	3.4	-0.2	-1.0	1.9
EPA 08	1/13/93	0.20	-0.001	-0.010	-0.010	-0.01	-0.05	3.46	-0.10	-0.05	-0.001	-0.10	-0.0003	11.1	-0.2	-1.0	-1.0
EPA 08	4/15/93	-0.10	0.001	-0.010	-0.010	-0.01	-0.05	3.05	-0.10	-0.05	-0.001	-0.10	0.0060	4.3	-0.2	-1.0	-1.0
EPA 08	7/20/93	-0.10	0.002	-0.010	-0.010	-0.01	-0.05	2.78	-0.10	-0.05	-0.001	-0.10	-0.0003	4.4	-0.2	-1.0	1.4
EPA 08	10/12/93	0.16	-0.001	-0.010	-0.010	0.02	-0.05	2.80	-0.10	-0.05	-0.001	-0.10	0.0020	7.0	-0.2	-1.0	2.0
EPA 08	1/11/94	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	3.07	-0.10	-0.05	-0.001	-0.10	0.0060	6.1	-0.2	-1.0	9.6
EPA 08	4/20/94	0.10	0.001	-0.010	-0.010	-0.01	-0.05	2.49	-0.10	-0.05	-0.001	-0.10	0.0010	4.8	-0.2	1.3	6.7
EPA 08	7/26/94	0.12	-0.001	-0.010	-0.010	-0.01	-0.05	3.12	-0.10	-0.05	-0.001	-0.10	0.0003	5.3	-0.2	-1.0	7.2
EPA 08	10/11/94	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	2.46	-0.10	-0.05	-0.001	-0.10	0.0010	3.0	-0.2	-1.0	4.1
EPA 08	1/10/95	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	2.95	-0.10	-0.05	-0.001	-0.10	0.0010	4.9	-0.2	-1.0	6.4
EPA 08	4/6/95	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	3.15	-0.10	-0.05	-0.001	-0.10	0.0020	3.8	-0.2	-1.0	5.3
EPA 08	7/11/95	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	2.92	0.27	-0.05	-0.001	-0.10	0.0016	2.9	0.5	4.9	6.6
EPA 08	10/10/95	-0.10	0.002	-0.010	-0.010	-0.01	-0.05	2.99	-0.10	-0.05	-0.001	-0.10	0.0017	3.9	-0.2	-1.0	1.8
EPA 08	1/9/96	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	2.80	0.13	-0.05	-0.001	-0.10	0.0010	2.5	-0.2	3.8	-1.0
EPA 08	4/10/96	-0.10	0.001	-0.010	-0.010	-0.01	-0.05	2.96	0.14	-0.05	-0.001	-0.10	0.0006	2.5	0.7	-1.0	1.2
EPA 08	7/17/96	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	3.21	-0.10	-0.05	0.002	-0.10	0.0016	-1.7	0.8	-1.0	-1.0
EPA 08	10/8/96	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	3.00	-0.10	-0.05	-0.001	-0.10	0.0005	1.9	-0.2	-1.0	-1.0
EPA 08	1/28/97	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	3.07	-0.10	-0.05	-0.001	-0.10	0.0010	-2.1	-0.2	-1.0	1.1
EPA 08	4/15/97	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	3.01	-0.10	-0.05	-0.001	-0.10	-0.0003	-2.1	-0.2	-1.0	-1.0
EPA 08	7/15/97	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	2.82	-0.10	-0.05	-0.001	-0.10	-0.0003	-1.7	-0.2	-1.0	-1.0
EPA 08	10/15/97	-0.10	-0.001	-0.010	-0.010	-0.01	-0.05	3.24	-0.10	-0.05	-0.001	-0.10	0.0010	1.7	-0.2	-1.0	-1.0
EPA 08	1/20/98	-0.10	-0.001	-0.010	-0.005	-0.01	-0.05	3.42	-0.10	-0.05	-0.001	-0.10	0.0010	-2.1	-0.2	-1.0	-1.0
EPA 08	4/14/98	-0.10	-0.001	-0.010	-0.005	-0.01	-0.05	2.99	-0.10	-0.05	-0.001	-0.10	0.0009	-2.0	-0.2	-1.0	-1.0
EPA 08	7/14/98	-0.10	-0.001	-0.010	-0.005	-0.01	-0.05	2.84	-0.10	-0.05	-0.001	-0.10	0.0009	-1.9	-0.2	-1.0	-1.0
EPA 08	10/6/98	-0.10	-0.001	-0.010	-0.005	-0.01	-0.05	3.05	-0.10	-0.05	-0.001	-0.10	0.0010	5.2	-0.2	1.0	2.3
EPA 08	1/12/99	-0.10	0.003	-0.010	-0.005	-0.01	-0.05	2.98	-0.10	-0.05	-0.001	-0.10	0.0038	3.3	-0.2	-1.0	-1.0
EPA 08	4/13/99	-0.10	-0.001	-0.010	-0.005	-0.01	-0.05	2.98	-0.10	-0.05	-0.001	-0.10	0.0011	5.4	-0.2	-1.0	3.0
EPA 08	7/20/99	-0.10	-0.001	-0.010	-0.005	-0.01	-0.05	2.40	-0.10	-0.05	-0.001	-0.10	0.0016	2.9	-0.2	-1.0	1.8
EPA 08	10/12/99	-0.10	-0.001	-0.010	-0.005	-0.01	-0.05	3.08	-0.10	-0.05	-0.001	-0.10	-0.0003	5.1	-0.2	-1.0	1.6
EPA 08	2/23/00	-0.10	-0.001	-0.010	-0.005	-0.01	-0.05	2.99	-0.10	-0.05	-0.001	-0.10	0.0016	3.5	-0.2	-1.0	-1.0
EPA 08	5/15/00																
EPA 08	7/20/00																

Refer to page 1 for explanatory notes

TABLE D.2

WATER LEVEL DATA FOR ZONE 1
WELLS ADDED UNDER REVISED MONITORING PROGRAM
SECOND QUARTER 2000

Well Number (a)	Date	Water Elevation (ft AMSL)
412	5/15/00	6793.9
412	7/20/00	6793.9
0501 A	5/15/00	6837.7
0501 A	7/20/00	6837.6
0502 A	5/15/00	6832.2
0502 A	7/20/00	6832.1
0504 A	5/15/00	6798.0
0504 A	7/20/00	6797.9
0505 A	5/15/00	6851.3
0505 A	7/20/00	6851.1

Notes:
AMSL - Above Mean Sea Level
a. Wells 412, 501 A, 502 A, 504 A, and 505 A added to the monitoring program in 2nd Quarter 2000 for water level monitoring.

LABORATORY ANALYTICAL DATA
2000

SEMI-ANNUAL GROUND WATER MONITORING REPORT
JANUARY 1, 2000 THROUGH JUNE 30, 2000

ZONE 1

516-A

604 *

614 *

EPA-4 *

EPA-7 *

TWQ-141 (1ST Qr. Only)

TWQ-142 and Duplicate

TWQ-143 (1ST Qr. Only)

515-A

619 (1st Qr. Only)

EPA-2

EPA-5

EPA-8 (1ST Qr. Only)

*Point of Compliance Wells

LEVELS ONLY

501-A (2nd Qr. Addition)

502-A (2nd Qr. Addition)

504-A (2nd Qr. Addition)

505-A (2nd Qr. Addition)

412 (2nd Qr. Addition)

EPA-8 (2nd Qr. Addition)

TWQ-143 (2nd Qr. Addition)

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UNC MINING AND MILLING: CHURCHROCK OPERATIONS
GROUNDWATER MONITORING PROGRAM: ZONE 1 MONITOR WELLS

WELL ID:	516-A	516-A	516-A
LABORATORY ID:	99-35525	99-33596-007	30147-8
SAMPLE DATE/TIME:	07-13-99	10-05-99 @ 10:30	01-04-00 @ 11:30
REPORT DATE:	August 23, 1999	December 1, 1999	February 23, 2000
QUARTER REPRESENTED:	Third '99	Fourth '99	First 2000
UNC SUBMITTAL #:	TE-5-7-99	TE-7-10-99	TE-1-1-2000

Major Ions	Method	Units	Reporting Limit	Results	Results	Results
Calcium	EPA 200.7	mg/L	0.05	485	553	459
Magnesium	EPA 200.7	mg/L	0.01	1540	1770	1520
Sodium	EPA 200.7	mg/L	0.05	518	458	408
Potassium	EPA 200.7	mg/L	0.10	24.9	18.5	18.1
Bicarbonate	SM 2320 B.	mg/L	0.10	1370	1387	1290
Sulfate	EPA 200.7	mg/L	1.0	6920	8030	6590
Chloride	EPA 200.7	mg/L	1.0	254	261	228
Ammonium as N	SM 4500-NH_3 G.	mg/L	0.05	137	143	137
Nitrate + Nitrite as N	EPA 353.2	mg/L	0.10	106	111	113
Non-Metals						
Total Dissolved Solids @ 180°C	SM 2540 C. Mod.	mg/L	1.0	11900	11900	11700
pH	SM 4500-H B.	std. units	0.10	7.78	7.71	7.64
Trace Metals						
Aluminum	EPA 200.7	mg/L	0.10	< 0.10	< 0.10	< 0.10
Arsenic III	SM 3114C	mg/L	0.001	< 0.001	< 0.001	< 0.001
Beryllium	EPA 200.8	mg/L	0.01	< 0.01	< 0.01	< 0.01
Cadmium	EPA 200.8	mg/L	0.005	< 0.005	< 0.005	< 0.005
Cobalt	EPA 200.8	mg/L	0.01	< 0.01	< 0.01	0.02
Lead	EPA 200.8	mg/L	0.05	< 0.05	< 0.05	< 0.05
Manganese	EPA 200.8	mg/L	0.01	1.67	2.11	2.37
Molybdenum	EPA 200.8	mg/L	0.10	< 0.10	< 0.10	< 0.10
Nickel	EPA 200.8	mg/L	0.05	< 0.05	< 0.05	< 0.05
Selenium IV	SM 3114C	mg/L	0.001	< 0.001	< 0.001	0.001
Vanadium	EPA 200.8	mg/L	0.10	< 0.10	< 0.10	< 0.10
Radiometrics						
Uranium	EPA 200.8	mg/L	0.0003	0.0199	0.0218	0.0178
Radium 226	EPA 903.0	pCi/L	0.2	0.7	0.7	1.2
Radium Error Estimate ±				0.2	0.2	0.3
Radium 228	EPA 904.0	pCi/L	1.0	< 1.0	< 1.0	< 1.0
Radium Error Estimate ±						
Thorium 230	EPA 907.0	pCi/L	0.2	< 0.2	< 0.2	< 0.2
Thorium Error Estimate ±						
Lead 210	NEHRL-65-4	pCi/L	1.0	< 1.0	< 1.0	< 1.0
Lead Error Estimate ±						
Gross Alpha	EPA 900.1	pCi/L	1.0	< 1.0	1.4	1.2
G. Alpha Error Estimate ±					1.0	0.4
Trace Organics						
Chloroform	EPA 601	µg/L	1.0	2.6	2.7	2.7

Quality Assurance Data		Target Range			
Anion	meq		181.35	205.31	173
Cation	meq		185.63	205.88	178
WYDEQ A/C Balance	%	-5 - +5	1.17	0.14	1.37
Calc TDS	mg/L		11075	12462	10548
TDS A/C Balance	dec. %	0.80 - 1.20	1.07	0.95	1.11

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UNC MINING AND MILLING: CHURCHROCK OPERATIONS
GROUNDWATER MONITORING PROGRAM: ZONE 1 MONITOR WELLS

WELL ID:	604	604	604	604
LABORATORY ID:	99-35523	99-33596-005	30147-6	32496-8
SAMPLE DATE/TIME:	07-13-99	10-05-99 @ 10:01	01-04-00 @ 11:02	05-03-00
REPORT DATE:	August 23, 1999	December 1, 1999	February 22, 2000	June 04, 2000
QUARTER REPRESENTED:	Third '99	Fourth '99	First 2000	Second 2000
UNC SUBMITTAL #:	TE-5-7-99	TE-7-10-99	TE-1-1-2000	TE-3-5-2000

Major Ions	Method	Units	Reporting Limit	Results	Results	Results	Results
Calcium	EPA 200.7	mg/L	0.05	479	523	397	416
Magnesium	EPA 200.7	mg/L	0.01	964	1120	883	808
Sodium	EPA 200.7	mg/L	0.05	292	280	231	264
Potassium	EPA 200.7	mg/L	0.10	16.3	12.5	12.8	14.2
Bicarbonate	SM 2320 B.	mg/L	0.10	3.0	4.0	4.0	6.0
Sulfate	EPA 200.7	mg/L	1.0	5120	6000	4500	4300
Chloride	EPA 200.7	mg/L	1.0	55.3	50.9	41.9	56.5
Ammonium as N	SM 4500-NH_3 G.	mg/L	0.05	0.57	0.53	0.24	0.13
Nitrate + Nitrite as N	EPA 353.2	mg/L	0.10	73.2	58.6	67.9	84.6
Non-Metals							
Total Dissolved Solids @ 180°C	SM 2540 C. Mod.	mg/L	1.0	8030	8150	8180	7500
pH	SM 4500-H B.	std. units	0.10	4.61	4.64	4.64	4.75
Trace Metals							
Aluminum	EPA 200.8	mg/L	0.10	15.7	27.0	20.0	6.50
Arsenic III	SM 3114C	mg/L	0.001	< 0.001	< 0.001	< 0.001	< 0.001
Beryllium	EPA 200.8	mg/L	0.01	0.01	< 0.01	0.01	< 0.01
Cadmium	EPA 200.8	mg/L	0.005	0.009	0.015	0.010	0.022
Cobalt	EPA 200.8	mg/L	0.01	0.42	0.53	0.38	0.23
Lead	EPA 200.8	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05
Manganese	EPA 200.8	mg/L	0.01	14.0	16.1	11.2	8.81
Molybdenum	EPA 200.8	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nickel	EPA 200.8	mg/L	0.05	0.62	0.46	0.46	0.26
Selenium IV	SM 3114C	mg/L	0.001	< 0.001	< 0.001	< 0.001	< 0.001
Vanadium	EPA 200.8	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Radiometrics							
Uranium	EPA 200.8	mg/L	0.0003	0.0071	0.0033	0.0032	0.0027
Radium 226	EPA 903.0	pCi/L	0.2	3.0	2.5	2.3	4.3
Radium Error Estimate ±				0.3	0.3	0.3	0.4
Radium 228	EPA 904.0	pCi/L	1.0	5.2	2.9	6.0	6.6
Radium Error Estimate ±				0.2	0.3	0.6	0.5
Thorium 230	EPA 907.0	pCi/L	0.2	< 0.2	< 0.2	< 0.2	< 0.2
Thorium Error Estimate ±							
Lead 210	NERHL-65-4	pCi/L	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Lead Error Estimate ±							
Gross Alpha	EPA 900.1	pCi/L	1.0	3.7	4.3	4.7	4.8
G. Alpha Error Estimate ±				1.2	1.2	0.6	1.1
Trace Organics							
Chloroform	EPA 601	µg/L	1.0	< 1.0	< 1.0	< 1.0	1.4
Quality Assurance Data			**Target Range**				
Anion		meq		113.50	130.69	99.8	97.3
Cation		meq		119.95	135.90	107	101
SM A/C Balance		%	-5 - +5	2.76	1.95	3.30	1.95
Calc TDS		mg/L		7267	8265	6380	6245
TDS A/C Balance		dec. %	0.80 - 1.20	1.10	0.99	1.28	1.20

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UNC MINING AND MILLING: CHURCHROCK OPERATIONS
GROUNDWATER MONITORING PROGRAM: ZONE 1 MONITOR WELLS

WELL ID:	**604**
LABORATORY ID:	**00-34353-9**
SAMPLE DATE/TIME:	**07/11/00 10:15**
DATE RECEIVED:	**7/14/00**
REPORT DATE:	**August 21, 2000**
QUARTER REPRESENTED:	**Third 2000**
UNC SUBMITTAL #:	**TE-6-7-2000**

Major Ions	Method	Units	Reporting Limit	Results
Calcium	EPA 200.7	mg/L	0.05	460
Magnesium	EPA 200.7	mg/L	0.01	837
Sodium	EPA 200.7	mg/L	0.05	258
Potassium	EPA 200.7	mg/L	0.10	11.9
Bicarbonate	SM 2320-B	mg/L	0.10	5.0
Sulfate	EPA 200.7	mg/L	1.0	4470
Chloride	EPA 200.7	mg/L	1.0	53.7
Ammonium as N	SM 4500-NH_3-G	mg/L	0.05	0.33
Nitrate + Nitrite as N	EPA 353.2	mg/L	0.10	90.2

Non-Metals				
Total Dissolved Solids	SM 2540-C	mg/L	1.0	7380
pH	SM 4500-H-B	std. units	0.10	4.67

Trace Metals				
Aluminum	EPA 200.7	mg/L	0.10	14.5
Arsenic III	SM 3114C	mg/L	0.001	< 0.001
Beryllium	EPA 200.7	mg/L	0.01	0.01
Cadmium	EPA 200.8	mg/L	0.005	0.011
Cobalt	EPA 200.7	mg/L	0.01	0.31
Iron	EPA 200.7	mg/L	0.05	< 0.05
Lead	EPA 200.7	mg/L	0.05	< 0.05
Manganese	EPA 200.7	mg/L	0.01	10.1
Molybdenum	EPA 200.7	mg/L	0.10	< 0.10
Nickel	EPA 200.7	mg/L	0.05	0.31
Selenium IV	SM 3114C	mg/L	0.001	< 0.001
Vanadium	EPA 200.7	mg/L	0.10	< 0.10

Radiometrics				
Uranium	EPA 200.8	mg/L	0.0003	0.0022
Radium 226	EPA 903.0	pCi/L	0.2	2.5
Radium Error Estimate ±				0.3
Radium 228	EPA 904.0	pCi/L	1.0	6.0
Radium Error Estimate ±				0.2
Thorium 230	EPA 907.0	pCi/L	0.2	< 0.2
Thorium Error Estimate ±				
Lead 210	NERHL-65-4	pCi/L	1.0	< 1.0
Lead Error Estimate ±				
Gross Alpha	EPA 900.0	pCi/L	1.0	4.2
G. Alpha Error Estimate ±				1.4

Trace Organics				
Chloroform	EPA 601	µg/L	1.0	2.4

Quality Assurance Data		Target Range	
Anion	meq		101
Cation	meq		105
SM A/C Balance	%	-5 - +5	1.79
Calc TDS	mg/L		6503
TDS A/C Balance	dec. %	0.80 - 1.20	1.13

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UNC MINING AND MILLING: CHURCHROCK OPERATIONS
GROUNDWATER MONITORING PROGRAM: ZONE 1 MONITOR WELLS

WELL ID:	614	614	614	614
LABORATORY ID:	99-35521	99-33596-003	30147-4	32496-5
SAMPLE DATE/TIME:	07-13-99	10-05-99/09:44	01-04-00 @ 10:40	05-02-00
REPORT DATE:	August 23, 1999	November 30, 1999	February 22, 2000	June 04, 2000
QUARTER REPRESENTED:	Third '99	Fourth '99	First 2000	Second 2000
UNC SUBMITTAL #:	TE-5-7-99	TE-7-10-99	TE-1-1-2000	TE-3-5-2000

Major Ions	Method	Units	Reporting Limit	Results	Results	Results	Results
Calcium	EPA 200.7	mg/L	0.05	605	632	510	514
Magnesium	EPA 200.7	mg/L	0.01	891	961	770	784
Sodium	EPA 200.7	mg/L	0.05	439	430	358	405
Potassium	EPA 200.7	mg/L	0.10	12.7	10.8	11.5	15.7
Bicarbonate	SM 2320 B.	mg/L	0.10	1280	1362	1470	1450
Sulfate	EPA 200.7	mg/L	1.0	4000	4410	3430	3620
Chloride	EPA 200.7	mg/L	1.0	239	248.0	217	236
Ammonium as N	SM 4500-NH_3 G.	mg/L	0.05	58.1	58.0	65.1	87.0
Nitrate + Nitrite as N	EPA 353.2	mg/L	0.10	90.7	83.0	97.4	114
Non-Metals							
Total Dissolved Solids @ 180°C	SM 2540 C. Mod.	mg/L	1.0	7680	7710	7650	7600
pH	SM 4500-H B.	std. units	0.10	7.73	7.84	8.07	7.56
Trace Metals							
Aluminum	EPA 200.8	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Arsenic III	SM 3114C	mg/L	0.001	< 0.001	< 0.001	< 0.001	< 0.001
Beryllium	EPA 200.8	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01
Cadmium	EPA 200.8	mg/L	0.005	< 0.005	< 0.005	< 0.005	< 0.005
obalt	EPA 200.8	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01
Lead	EPA 200.8	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05
Manganese	EPA 200.8	mg/L	0.01	0.23	0.25	0.24	0.34
Molybdenum	EPA 200.8	mg/L	0.10	< 0.10	< 0.1	< 0.1	< 0.1
Nickel	EPA 200.8	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05
Selenium IV	SM 3114C	mg/L	0.001	0.001	< 0.001	0.001	< 0.001
Vanadium	EPA 200.8	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Radiometrics							
Uranium	EPA 200.8	mg/L	0.0003	0.0672	0.0010	0.0579	0.0678
Radium 226	EPA 903.0	pCi/L	0.2	0.9	4.8	3.8	1.1
Radium Error Estimate ±				0.2	0.4	0.3	0.2
Radium 228	EPA 904.0	pCi/L	1.0	1.2	< 1.0	1.1	5.7
Radium Error Estimate ±				0.2		0.2	0.5
Thorium 230	EPA 907.0	pCi/L	0.2	< 0.2	< 0.2	< 0.2	< 0.2
Thorium Error Estimate ±							
Lead 210	NERHL-65-4	pCi/L	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Lead Error Estimate ±							
Gross Alpha	EPA 900.1	pCi/L	1.0	< 1.0	6.8	4.3	7.0
G. Alpha Error Estimate ±					1.5	0.6	1.0
Trace Organics							
Chloroform	EPA 601	µg/L	1.0	188	278	226	383

Quality Assurance Data		Target Range				
Anion	meq		117.53	127.12	109	114
Cation	meq		128.09	134.82	110	115
SM A/C Balance	%	-5 - +5	4.30	2.94	0.72	0.57
Calc TDS	mg/L		7304	7816	6547	6917
TDS A/C Balance	dec. %	0.80 - 1.20	1.05	0.99	1.17	1.10

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UNC MINING AND MILLING: CHURCHROCK OPERATIONS
GROUNDWATER MONITORING PROGRAM: ZONE 1 MONITOR WELLS

WELL ID:	614
LABORATORY ID:	00-34353-7
SAMPLE DATE/TIME:	07/11/00 08:30
DATE RECEIVED:	7/14/00
REPORT DATE:	August 21, 2000
QUARTER REPRESENTED:	Third 2000
UNC SUBMITTAL #:	TE-6-7-2000

Major Ions	Method	Units	Reporting Limit	Results
Calcium	EPA 200.7	mg/L	0.05	560
Magnesium	EPA 200.7	mg/L	0.01	830
Sodium	EPA 200.7	mg/L	0.05	426
Potassium	EPA 200.7	mg/L	0.10	13.8
Bicarbonate	SM 2320-B	mg/L	0.10	1430
Sulfate	EPA 200.7	mg/L	1.0	3760
Chloride	EPA 200.7	mg/L	1.0	229
Ammonium as N	SM 4500-NH_3-G	mg/L	0.05	93.1
Nitrate + Nitrite as N	EPA 353.2	mg/L	0.10	109
Non-Metals				
Total Dissolved Solids	SM 2540-C	mg/L	1.0	7600
pH	SM 4500-H-B	std. units	0.10	7.53
Trace Metals				
Aluminum	EPA 200.7	mg/L	0.10	< 0.10
Arsenic III	SM 3114C	mg/L	0.001	< 0.001
Beryllium	EPA 200.7	mg/L	0.01	< 0.01
Cadmium	EPA 200.8	mg/L	0.005	< 0.005
Cobalt	EPA 200.7	mg/L	0.01	< 0.01
Iron	EPA 200.7	mg/L	0.05	< 0.05
Lead	EPA 200.7	mg/L	0.05	< 0.05
Manganese	EPA 200.7	mg/L	0.01	0.22
Molybdenum	EPA 200.7	mg/L	0.10	< 0.10
Nickel	EPA 200.7	mg/L	0.05	< 0.05
Selenium IV	SM 3114C	mg/L	0.001	< 0.001
Vanadium	EPA 200.7	mg/L	0.10	< 0.10
Radiometrics				
Uranium	EPA 200.8	mg/L	0.0003	0.0542
Radium 226	EPA 903.0	pCi/L	0.2	0.6
Radium Error Estimate ±				0.3
Radium 228	EPA 904.0	pCi/L	1.0	3.5
Radium Error Estimate ±				0.2
Thorium 230	EPA 907.0	pCi/L	0.2	< 0.2
Thorium Error Estimate ±				
Lead 210	NERHL-65-4	pCi/L	1.0	< 1.0
Lead Error Estimate ±				
Gross Alpha	EPA 900.0	pCi/L	1.0	< 1.0
G. Alpha Error Estimate ±				
Trace Organics				
Chloroform	EPA 601	µg/L	1.0	215

Quality Assurance Data		Target Range	
Anion	meq		116
Cation	meq		123
SM A/C Balance	%	-5 - +5	2.81
Calc TDS	mg/L		7137
TDS A/C Balance	dec. %	0.80 - 1.20	1.06

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UNC MINING AND MILLING: CHURCHROCK OPERATIONS
GROUNDWATER MONITORING PROGRAM: ZONE 1 MONITOR WELLS

WELL ID:	EPA 4	EPA 4	EPA 4	EPA-4
LABORATORY ID:	99-35997	99-33759-002	30274-2	00-32840-1
SAMPLE DATE/TIME:	07-20-99	10-12-99 @ 10:05	01-11-00 @ 09:40	05/15/00 00:00
DATE RECEIVED:				05/18/2000
REPORT DATE:	August 31, 1999	November 18, 1999	February 23, 2000	June 20, 2000
QUARTER REPRESENTED:	Third 1999	Fourth 1999	First 2000	Second 2000
UNC SUBMITTAL #:	TE-6-7-99	TE-8-10-99	TE-2-1-2000	TE-5-5-2000

Major Ions	Method	Units	Reporting Limit	Results	Results	Results	Results
Calcium	EPA 200.7	mg/L	0.05	555	556	557	542
Magnesium	EPA 200.7	mg/L	0.01	323	332	332	366
Sodium	EPA 200.7	mg/L	0.05	193	193	187	194
Potassium	EPA 200.7	mg/L	0.10	10.4	8.4	8.8	9.1
Bicarbonate	SM 2320-B	mg/L	0.10	207	641	204	173
Sulfate	EPA 200.7	mg/L	1.0	2550	2780	2730	3000
Chloride	EPA 200.7	mg/L	1.0	40.0	39.0	36.2	37.5
Ammonium as N	SM4500 NH3-G	mg/L	0.05	0.85	0.87	0.82	1.03
Nitrate + Nitrite as N	EPA 353.2	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Non-Metals							
Total Dissolved Solids	SM 2540-C	mg/L	1.0	4790	4830	4680	4810
pH	SM 4500-H-B	std. units	0.10	7.11	7.94	7.51	7.42
Trace Metals							
Aluminum	EPA 200.8	mg/L	0.10	< 0.10	< 0.10	0.10	< 0.10
Arsenic III	SM 3114C	mg/L	0.001	< 0.001	0.001	< 0.001	0.001
Beryllium	EPA 200.8	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01
Cadmium	EPA 200.8	mg/L	0.005	< 0.005	< 0.005	< 0.005	< 0.005
Cobalt	EPA 200.8	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01
Lead	EPA 200.8	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05
Manganese	EPA 200.8	mg/L	0.01	2.33	2.93	3.10	4.15
Molybdenum	EPA 200.8	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nickel	EPA 200.8	mg/L	0.05	< 0.05	< 0.05	0.06	< 0.05
Selenium IV	SM 3114C	mg/L	0.001	< 0.001	< 0.001	< 0.001	< 0.001
Vanadium	EPA 200.8	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Radiometrics							
Uranium	EPA 200.8	mg/L	0.0003	0.0013	< 0.0003	0.0021	0.0006
Radium 226	EPA 903.0	pCi/L	0.2	0.9	1.2	1.0	1.9
Radium Error Estimate ±				0.2	0.3	0.2	0.2
Radium 228	EPA 904.0	pCi/L	1.0	1.5	3.3	< 1.0	3.8
Radium Error Estimate ±				0.2	0.9		0.2
Thorium 230	EPA 907.0	pCi/L	0.2	< 0.2	< 0.2	< 0.2	< 0.2
Thorium Error Estimate ±							
Lead 210	NERHL-65-4	pCi/L	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Lead Error Estimate ±							
Gross Alpha	EPA 900.1	pCi/L	1.0	1.5	1.4	< 1.0	1.3
G. Alpha Error Estimate ±				0.4	0.5		1.0
Trace Organics							
Chloroform	EPA 601	µg/L	1.0	< 1.0	< 1.0	< 1.0	< 1.0

Quality Assurance Data		Target Range				
Anion	meq		57.7	69.5	61.2	66.4
Cation	meq		63.5	64.3	64.1	66.6
SM A/C Balance	%	-5 - +5	4.85	-3.90	2.29	0.13
Calc TDS	mg/L		3779	4233	3958	4241
TDS A/C Balance	dec. %	0.80 - 1.20	1.27	1.14	1.18	1.13

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UNC MINING AND MILLING: CHURCHROCK OPERATIONS
GROUNDWATER MONITORING PROGRAM: ZONE 1 MONITOR WELLS

WELL ID:	EPA-4
LABORATORY ID:	00-34353-12
SAMPLE DATE/TIME:	07/11/00 13:50
DATE RECEIVED:	7/14/00
REPORT DATE:	August 21, 2000
QUARTER REPRESENTED:	Third 2000
UNC SUBMITTAL #:	TE-6-7-2000

Major Ions	Method	Units	Reporting Limit	Results
Calcium	EPA 200.7	mg/L	0.05	574
Magnesium	EPA 200.7	mg/L	0.01	386
Sodium	EPA 200.7	mg/L	0.05	199
Potassium	EPA 200.7	mg/L	0.10	8.40
Bicarbonate	SM 2320-B	mg/L	0.10	171
Sulfate	EPA 200.7	mg/L	1.0	2910
Chloride	EPA 200.7	mg/L	1.0	38.8
Ammonium as N	SM 4500-NH_3-G	mg/L	0.05	0.97
Nitrate + Nitrite as N	EPA 353.2	mg/L	0.10	< 0.10

Non-Metals				
Total Dissolved Solids	SM 2540-C	mg/L	1.0	4790
pH	SM 4500-H-B	std. units	0.10	7.07

Trace Metals				
Aluminum	EPA 200.7	mg/L	0.10	< 0.10
Arsenic III	SM 3114C	mg/L	0.001	< 0.001
Beryllium	EPA 200.7	mg/L	0.01	< 0.01
Cadmium	EPA 200.8	mg/L	0.005	0.007
Cobalt	EPA 200.7	mg/L	0.01	< 0.01
Iron	EPA 200.7	mg/L	0.05	17.6
Lead	EPA 200.7	mg/L	0.05	< 0.05
Manganese	EPA 200.7	mg/L	0.01	3.37
Molybdenum	EPA 200.7	mg/L	0.10	< 0.10
Nickel	EPA 200.7	mg/L	0.05	< 0.05
Selenium IV	SM 3114C	mg/L	0.001	< 0.001
Vanadium	EPA 200.7	mg/L	0.10	< 0.10

Radiometrics				
Uranium	EPA 200.8	mg/L	0.0003	0.0006
Radium 226	EPA 903.0	pCi/L	0.2	< 0.2
Radium Error Estimate ±				
Radium 228	EPA 904.0	pCi/L	1.0	2.4
Radium Error Estimate ±				0.2
Thorium 230	EPA 907.0	pCi/L	0.2	< 0.2
Thorium Error Estimate ±				
Lead 210	NERHL-65-4	pCi/L	1.0	< 1.0
Lead Error Estimate ±				
Gross Alpha	EPA 900.0	pCi/L	1.0	1.8
G. Alpha Error Estimate ±				1.0

Trace Organics				
Chloroform	EPA 601	µg/L	1.0	< 1.0

Quality Assurance Data		Target Range	
Anion	meq		64.5
Cation	meq		70.0
SM A/C Balance	%	-5 - +5	4.06
Calc TDS	mg/L		4207
TDS A/C Balance	dec. %	0.80 - 1.20	1.14

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UNC MINING AND MILLING: CHURCHROCK OPERATIONS
GROUNDWATER MONITORING PROGRAM: ZONE 1 MONITOR WELLS

WELL ID:	EPA 7	EPA 7	EPA 7	EPA 7
LABORATORY ID:	99-35998	99-33759-003	30274-6	32496-7
SAMPLE DATE:	07-20-99	10-12-99 @ 10:25	01-11-00 @ 14:20	05-03-00
REPORT DATE:	August 31, 1999	November 18, 1999	February 23, 2000	June 04, 2000
QUARTER REPRESENTED:	Third 1999	Fourth 1999	First 2000	Second 2000
UNC SUBMITTAL #:	TE-6-7-99	TE-8-10-99	TE-2-1-2000	TE-3-5-2000

Major Ions	Method	Units	Reporting Limit	Results	Results	Results	Results
Calcium	EPA 200.7	mg/L	0.05	491	476	439	430
Magnesium	EPA 200.7	mg/L	0.01	880	903	846	827
Sodium	EPA 200.7	mg/L	0.05	307	300	284	306
Potassium	EPA 200.7	mg/L	0.10	9.5	8.4	8.9	10.6
Bicarbonate	SM 2320 B.	mg/L	0.10	361	366	367	362
Sulfate	EPA 200.7	mg/L	1.0	4500	4370	4000	3870
Chloride	EPA 200.7	mg/L	1.0	166	187	171	168
Ammonium as N	SM 4500-NH_3 G.	mg/L	0.05	1.11	1.15	0.90	0.99
Nitrate + Nitrite as N	EPA 353.2	mg/L	0.10	130	134	122	138
Non-Metals							
Total Dissolved Solids @ 180°C	SM 2540 C. Mod.	mg/L	1.0	8120	7940	7890	7750
pH	SM 4500-H B.	std. units	0.10	7.20	7.50	7.73	7.28
Trace Metals							
Aluminum	EPA 200.8	mg/L	0.10	< 0.10	0.18	0.29	2.90
Arsenic III	SM 3114C	mg/L	0.001	< 0.001	< 0.001	< 0.001	< 0.001
Beryllium	EPA 200.8	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01
Cadmium	EPA 200.8	mg/L	0.005	< 0.005	< 0.005	< 0.005	< 0.005
Cobalt	EPA 200.8	mg/L	0.01	< 0.01	0.07	0.08	0.08
Lead	EPA 200.8	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05
Manganese	EPA 200.8	mg/L	0.01	9.30	11.8	9.94	11.4
Molybdenum	EPA 200.8	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nickel	EPA 200.8	mg/L	0.05	< 0.05	0.08	0.13	0.10
Selenium IV	SM 3114C	mg/L	0.001	< 0.001	< 0.001	< 0.001	< 0.001
Vanadium	EPA 200.8	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Radiometrics							
Uranium	EPA 200.8	mg/L	0.0003	0.0019	0.0009	0.0021	0.0032
Radium 226	EPA 903.0	pCi/L	0.2	3.0	< 0.2	1.2	1.5
Radium Error Estimate ±				0.3		0.2	0.2
Radium 228	EPA 904.0	pCi/L	1.0	< 1.0	3.3	< 1.0	1.6
Radium Error Estimate ±					0.9		0.6
Thorium 230	EPA 907.0	pCi/L	0.2	< 0.2	< 0.2	< 0.2	< 0.2
Thorium Error Estimate ±							
Lead 210	NERHL-65-4	pCi/L	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Lead Error Estimate ±							
Gross Alpha	EPA 900.1	pCi/L	1.0	5.2	1.1	2.3	2.6
G. Alpha Error Estimate ±				0.7	0.5	1.0	1.0
Trace Organics							
Chloroform	EPA 601	µg/L	1.0	< 1.0	< 1.0	1.3	1.2
Quality Assurance Data			**Target Range**				
Anion		meq		113.63	111.88	103	101
Cation		meq		112.07	113.06	106	105
SM A/C Balance		%	-5 - +5	-0.69	0.52	1.34	1.87
Calc TDS		mg/L		7121	7034	6484	6417
TDS A/C Balance		dec. %	0.80-1.20	1.14	1.13	1.22	1.21

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UNC MINING AND MILLING: CHURCHROCK OPERATIONS
GROUNDWATER MONITORING PROGRAM: ZONE 1 MONITOR WELLS

WELL ID:	EPA-7
LABORATORY ID:	00-34353-10
SAMPLE DATE/TIME:	07/11/00 11:00
DATE RECEIVED:	7/14/00
REPORT DATE:	August 21, 2000
QUARTER REPRESENTED:	Third 2000
UNC SUBMITTAL #:	TE-6-7-2000

Major Ions	Method	Units	Reporting Limit	Results
Calcium	EPA 200.7	mg/L	0.05	488
Magnesium	EPA 200.7	mg/L	0.01	897
Sodium	EPA 200.7	mg/L	0.05	321
Potassium	EPA 200.7	mg/L	0.10	7.54
Bicarbonate	SM 2320-B	mg/L	0.10	399
Sulfate	EPA 200.7	mg/L	1.0	4160
Chloride	EPA 200.7	mg/L	1.0	167
Ammonium as N	SM 4500-NH_3-G	mg/L	0.05	0.75
Nitrate + Nitrite as N	EPA 353.2	mg/L	0.10	150

Non-Metals				
Total Dissolved Solids	SM 2540-C	mg/L	1.0	7630
pH	SM 4500-H-B	std. units	0.10	7.28

Trace Metals				
Aluminum	EPA 200.7	mg/L	0.10	3.57
Arsenic III	SM 3114C	mg/L	0.001	< 0.001
Beryllium	EPA 200.7	mg/L	0.01	< 0.01
Cadmium	EPA 200.8	mg/L	0.005	< 0.005
Cobalt	EPA 200.7	mg/L	0.01	0.07
Iron	EPA 200.7	mg/L	0.05	< 0.05
Lead	EPA 200.7	mg/L	0.05	< 0.05
Manganese	EPA 200.7	mg/L	0.01	9.69
Molybdenum	EPA 200.7	mg/L	0.10	< 0.10
Nickel	EPA 200.7	mg/L	0.05	< 0.05
Selenium IV	SM 3114C	mg/L	0.001	< 0.001
Vanadium	EPA 200.7	mg/L	0.10	< 0.10

Radiometrics				
Uranium	EPA 200.8	mg/L	0.0003	0.0026
Radium 226	EPA 903.0	pCi/L	0.2	1.4
Radium Error Estimate ±				0.3
Radium 228	EPA 904.0	pCi/L	1.0	3.4
Radium Error Estimate ±				0.2
Thorium 230	EPA 907.0	pCi/L	0.2	< 0.2
Thorium Error Estimate ±				
Lead 210	NERHL-65-4	pCi/L	1.0	< 1.0
Lead Error Estimate ±				
Gross Alpha	EPA 900.0	pCi/L	1.0	2.8
G. Alpha Error Estimate ±				1.2

Trace Organics				
Chloroform	EPA 601	µg/L	1.0	1.9

Quality Assurance Data		Target Range	
Anion	meq		109
Cation	meq		114
SM A/C Balance	%	-5 - +5	2.36
Calc TDS	mg/L		6915
TDS A/C Balance	dec. %	0.80 - 1.20	1.10

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UNC MINING AND MILLING: CHURCHROCK OPERATIONS
GROUNDWATER MONITORING PROGRAM: ZONE 1 MONITOR WELLS

WELL ID:	TWQ 141	TWQ 141	TWQ 141
LABORATORY ID:	99-24241	99-35518	30147-1
SAMPLE DATE:	04-06-99	07-13-99	01-04-00 @ 08:50
REPORT DATE:	May 6, 1999	August 23, 1999	February 22, 2000
QUARTER REPRESENTED:	Second '99	Third '99	First 2000
UNC SUBMITTAL #:	TE-3-4-99	TE-5-7-99	TE-1-1-2000

Major Ions	Method	Units	Reporting Limit	Results	Results	Results
Calcium	EPA 200.7	mg/L	0.05	31.9	29.7	19.7
Magnesium	EPA 200.7	mg/L	0.01	16.3	14.2	6.4
Sodium	EPA 200.7	mg/L	0.05	299	285	665
Potassium	EPA 200.7	mg/L	0.10	3.4	7.5	7.0
Bicarbonate	SM 2320 B.	mg/L	0.10	249	258	228
Sulfate	EPA 200.7	mg/L	1.0	516	507	1150
Chloride	EPA 200.7	mg/L	1.0	25.2	30.2	176
Ammonium as N	SM 4500-NH_3 G.	mg/L	0.05	0.23	0.37	< 0.05
Nitrate + Nitrite as N	EPA 353.2	mg/L	0.10	0.21	< 0.10	0.28

Non-Metals						
Total Dissolved Solids @ 180°C	SM 2540 C. Mod.	mg/L	1.0	1070	968	2280
pH	SM 4500-H B.	std. units	0.10	8.13	8.28	8.38

Trace Metals						
Aluminum	EPA 200.8	mg/L	0.10	< 0.10	< 0.10	< 0.10
Arsenic III	SM 3114C	mg/L	0.001	0.002	0.004	< 0.001
Beryllium	EPA 200.8	mg/L	0.01	< 0.01	< 0.01	< 0.01
Cadmium	EPA 200.8	mg/L	0.005	< 0.005	< 0.005	< 0.005
Cobalt	EPA 200.8	mg/L	0.01	< 0.01	< 0.01	< 0.01
Lead	EPA 200.8	mg/L	0.05	< 0.05	< 0.05	< 0.05
Manganese	EPA 200.8	mg/L	0.01	0.24	0.27	0.11
Molybdenum	EPA 200.8	mg/L	0.10	< 0.10	< 0.10	< 0.10
Nickel	EPA 200.8	mg/L	0.05	< 0.05	< 0.05	< 0.05
Selenium IV	SM 3114C	mg/L	0.001	0.001	< 0.001	0.001
Vanadium	EPA 200.8	mg/L	0.10	< 0.10	< 0.10	< 0.10

Radiometrics						
Uranium	EPA 200.8	mg/L	0.0003	0.0059	0.0541	0.0183
Radium 226	EPA 903.0	pCi/L	0.2	1.0	1.1	< 0.2
Radium Error Estimate ±				0.3	0.3	
Radium 228	EPA 904.0	pCi/L	1.0	< 1.0	< 1.0	< 1.0
Radium Error Estimate ±						
Thorium 230	EPA 907.0	pCi/L	0.2	< 0.2	< 0.2	< 0.2
Thorium Error Estimate ±						
Lead 210	NEHRL-65-4	pCi/L	1.0	< 1.0	< 1.0	< 1.0
Lead Error Estimate ±						
Gross Alpha	EPA 900.1	pCi/L	1.0	< 1.0	< 1.0	< 1.0
G. Alpha Error Estimate ±						

Trace Organics						
Chloroform	EPA 601	µg/L	1.0	< 1.0	< 1.0	< 1.0

Quality Assurance Data		Target Range			
Anion	meq		15.56	15.65	32.67
Cation	meq		16.08	15.30	30.63
WYDEQ A/C Balance	%	-5 - +5	1.66	-1.12	-3.23
Calc TDS	mg/L		1018	1004	2140
TDS A/C Balance	dec. %	0.80 - 1.20	1.05	0.96	1.07

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UNC MINING AND MILLING: CHURCHROCK OPERATIONS
GROUNDWATER MONITORING PROGRAM: ZONE 1 MONITOR WELLS

WELL ID:	TWQ 142	TWQ 142	TWQ 142	TWQ-142
LABORATORY ID:	99-35519	99-33596-001	30147-2	00-32687-1
SAMPLE DATE/TIME:	07-13-99	10-05-99 @ 08:33	01-04-00 @ 09:10	05/10/00 00:00
DATE RECEIVED:				05/12/2000
REPORT DATE:	August 23, 1999	November 30, 1999	February 22, 2000	June 15, 2000
QUARTER REPRESENTED:	Third '99	Fourth '99	First 2000	Second 2000
UNC SUBMITTAL #:	TE-5-7-99	TE-7-10-99	TE-1-1-2000	TE-4-5-2000

Major Ions	Method	Units	Reporting Limit	Results	Results	Results	Results
Calcium	EPA 200.7	mg/L	0.05	32.4	29.6	82.2	27.2
Magnesium	EPA 200.7	mg/L	0.01	15.8	14.6	41.7	12.6
Sodium	EPA 200.7	mg/L	0.05	299	308	319	306
Potassium	EPA 200.7	mg/L	0.10	6.7	3.7	7.8	3.25
Bicarbonate	SM 2320-B	mg/L	0.10	262	251	309	242
Sulfate	EPA 200.7	mg/L	1.0	498	557	797	613
Chloride	EPA 200.7	mg/L	1.0	24.5	21.4	26.6	19.1
Ammonium as N	SM4500 NH3-G	mg/L	0.05	0.26	0.26	1.51	0.24
Nitrate + Nitrite as N	EPA 353.2	mg/L	0.10	0.16	0.13	0.11	< 0.10
Non-Metals							
Total Dissolved Solids	SM 2540-C	mg/L	1.0	1030	1130	1500	1080
pH	SM 4500-H-B	std. units	0.10	8.27	8.11	8.36	8.27
Trace Metals							
Aluminum	EPA 200.8	mg/L	0.10	< 0.10	< 0.10	< 0.10	1.18
Arsenic III	SM 3114C	mg/L	0.001	0.001	< 0.001	< 0.001	< 0.001
Beryllium	EPA 200.8	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01
Cadmium	EPA 200.8	mg/L	0.005	< 0.005	< 0.005	< 0.005	< 0.005
Cobalt	EPA 200.8	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01
Lead	EPA 200.8	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05
Manganese	EPA 200.8	mg/L	0.01	0.01	0.03	0.10	0.07
Molybdenum	EPA 200.8	mg/L	0.10	< 0.10	< 0.10	0.14	< 0.10
Nickel	EPA 200.8	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05
Selenium IV	SM 3114C	mg/L	0.001	0.001	< 0.001	< 0.001	< 0.001
Vanadium	EPA 200.8	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Radiometrics							
Uranium	EPA 200.8	mg/L	0.0003	0.0009	0.0008	0.0077	0.0013
Radium 226	EPA 903.0	pCi/L	0.2	< 0.2	0.7	2.4	< 0.2
Radium Error Estimate ±					0.2	0.3	
Radium 228	EPA 904.0	pCi/L	1.0	< 1.0	< 1.0	1.5	< 1.0
Radium Error Estimate ±						0.2	
Thorium 230	EPA 907.0	pCi/L	0.2	< 0.2	< 0.2	< 0.2	< 0.2
Thorium Error Estimate ±							
Lead 210	NERHL-65-4	pCi/L	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Lead Error Estimate ±							
Gross Alpha	EPA 900.1	pCi/L	1.0	< 1.0	< 1.0	2.5	< 1.0
G. Alpha Error Estimate ±						0.5	
Trace Organics							
Chloroform	EPA 601	µg/L	1.0	< 1.0	< 1.0	< 1.0	< 1.0

Quality Assurance Data		Target Range				
Anion	meq		15.4	16.3	22.4	17.3
Cation	meq		16.1	16.2	21.8	15.8
SM A/C Balance	%	-5 - +5	2.43	-0.36	-1.47	-4.38
Calc TDS	mg/L		1008	1061	1431	1103
TDS A/C Balance	dec. %	0.80 - 1.20	1.02	1.07	1.05	0.98

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UNC MINING AND MILLING: CHURCHROCK OPERATIONS
GROUNDWATER MONITORING PROGRAM: ZONE 1 MONITOR WELLS

WELL ID:	**TWQ-142**
LABORATORY ID:	**00-34353-1**
SAMPLE DATE/TIME:	**07/10/00 09:00**
DATE RECEIVED:	**7/14/00**
REPORT DATE:	**August 21, 2000**
QUARTER REPRESENTED:	**Third 2000**
UNC SUBMITTAL #:	**TE-6-7-2000**

Major Ions	Method	Units	Reporting Limit	Results
Calcium	EPA 200.7	mg/L	0.05	25.8
Magnesium	EPA 200.7	mg/L	0.01	11.8
Sodium	EPA 200.7	mg/L	0.05	318
Potassium	EPA 200.7	mg/L	0.10	3.10
Bicarbonate	SM 2320-B	mg/L	0.10	242
Sulfate	EPA 200.7	mg/L	1.0	543
Chloride	EPA 200.7	mg/L	1.0	19.9
Ammonium as N	SM 4500-NH_3-G	mg/L	0.05	0.28
Nitrate + Nitrite as N	EPA 353.2	mg/L	0.10	< 0.10

Non-Metals				
Total Dissolved Solids	SM 2540-C	mg/L	1.0	1060
pH	SM 4500-H-B	std. units	0.10	7.99

Trace Metals				
Aluminum	EPA 200.7	mg/L	0.10	0.75
Arsenic III	SM 3114C	mg/L	0.001	< 0.001
Beryllium	EPA 200.7	mg/L	0.01	< 0.01
Cadmium	EPA 200.8	mg/L	0.005	< 0.005
Cobalt	EPA 200.7	mg/L	0.01	< 0.01
Iron	EPA 200.7	mg/L	0.05	1.50
Lead	EPA 200.7	mg/L	0.05	< 0.05
Manganese	EPA 200.7	mg/L	0.01	0.07
Molybdenum	EPA 200.7	mg/L	0.10	< 0.10
Nickel	EPA 200.7	mg/L	0.05	< 0.05
Selenium IV	SM 3114C	mg/L	0.001	< 0.001
Vanadium	EPA 200.7	mg/L	0.10	< 0.10

Radiometrics				
Uranium	EPA 200.8	mg/L	0.0003	0.0011
Radium 226	EPA 903.0	pCi/L	0.2	0.9
Radium Error Estimate ±				0.2
Radium 228	EPA 904.0	pCi/L	1.0	< 1.0
Radium Error Estimate ±				
Thorium 230	EPA 907.0	pCi/L	0.2	< 0.2
Thorium Error Estimate ±				
Lead 210	NERHL-65-4	pCi/L	1.0	< 1.0
Lead Error Estimate ±				
Gross Alpha	EPA 900.0	pCi/L	1.0	1.4
G. Alpha Error Estimate ±				1.0

Trace Organics				
Chloroform	EPA 601	µg/L	1.0	< 1.0

Quality Assurance Data		Target Range	
Anion	meq		15.8
Cation	meq		16.2
SM A/C Balance	%	-5 - +5	1.10
Calc TDS	mg/L		1043
TDS A/C Balance	dec. %	0.80 - 1.20	1.02

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UNC MINING AND MILLING: CHURCHROCK OPERATIONS
GROUNDWATER MONITORING PROGRAM: ZONE 1 MONITOR WELLS

WELL ID:	TWQ 142	TWQ 142	TWQ 142	TWQ-142(DUP.)
LABORATORY ID:	99-35519	99-33596-001	30147-2	00-32687-2
SAMPLE DATE/TIME:	07-13-99	10-05-99 @ 08:33	01-04-00 @ 09:10	05/10/00 00:00
DATE RECEIVED:				05/12/2000
REPORT DATE:	August 23, 1999	November 30, 1999	February 22, 2000	June 20, 2000
QUARTER REPRESENTED:	Third '99	Fourth '99	First 2000	Second 2000
UNC SUBMITTAL #:	TE-5-7-99	TE-7-10-99	TE-1-1-2000	TE-4-5-2000

Major Ions	Method	Units	Reporting Limit	Results	Results	Results	Results
Calcium	EPA 200.7	mg/L	0.05	32.4	29.6	82.2	26.5
Magnesium	EPA 200.7	mg/L	0.01	15.8	14.6	41.7	12.2
Sodium	EPA 200.7	mg/L	0.05	299	308	319	307
Potassium	EPA 200.7	mg/L	0.10	6.7	3.7	7.8	3.1
Bicarbonate	SM 2320-B	mg/L	0.10	262	251	309	239
Sulfate	EPA 200.7	mg/L	1.0	498	557	797	611
Chloride	EPA 200.7	mg/L	1.0	24.5	21.4	26.6	18.5
Ammonium as N	SM4500 NH3-G	mg/L	0.05	0.26	0.26	1.51	0.25
Nitrate + Nitrite as N	EPA 353.2	mg/L	0.10	0.16	0.13	0.11	< 0.10
Non-Metals							
Total Dissolved Solids	SM 2540-C	mg/L	1.0	1030	1130	1500	1110
pH		std. units	0.10	8.27	8.11	8.36	8.26
Trace Metals							
Aluminum	EPA 200.8	mg/L	0.10	< 0.10	< 0.10	< 0.10	0.70
Arsenic III	SM 3114C	mg/L	0.001	0.001	< 0.001	< 0.001	< 0.001
Beryllium	EPA 200.8	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01
Cadmium	EPA 200.8	mg/L	0.005	< 0.005	< 0.005	< 0.005	< 0.005
Cobalt	EPA 200.8	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01
Lead	EPA 200.8	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05
Manganese	EPA 200.8	mg/L	0.01	0.01	0.03	0.10	0.06
Molybdenum	EPA 200.8	mg/L	0.10	< 0.10	< 0.10	0.14	< 0.10
Nickel	EPA 200.8	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05
Selenium IV	SM 3114C	mg/L	0.001	0.001	< 0.001	< 0.001	< 0.001
Vanadium	EPA 200.8	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Radiometrics							
Uranium	EPA 200.8	mg/L	0.0003	0.0009	0.0008	0.0077	0.0012
Radium 226	EPA 903.0	pCi/L	0.2	< 0.2	0.7	2.4	0.7
Radium Error Estimate ±					0.2	0.3	0.2
Radium 228	EPA 904.0	pCi/L	1.0	< 1.0	< 1.0	1.5	< 1.0
Radium Error Estimate ±						0.2	
Thorium 230	EPA 907.0	pCi/L	0.2	< 0.2	< 0.2	< 0.2	< 0.2
Thorium Error Estimate ±							
Lead 210	NERHL-65-4	pCi/L	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Lead Error Estimate ±							
Gross Alpha	EPA 900.1	pCi/L	1.0	< 1.0	< 1.0	2.5	< 1.0
G. Alpha Error Estimate ±						0.5	
Trace Organics							
Chloroform	EPA 601	µg/L	1.0	< 1.0	< 1.0	< 1.0	< 1.0

Quality Assurance Data		Target Range				
Anion	meq		15.4	16.3	22.4	17.2
Cation	meq		16.1	16.2	21.8	15.8
SM A/C Balance	%	-5 - +5	2.43	-0.36	-1.47	-4.27
Calc TDS	mg/L		1008	1061	1431	1098
TDS A/C Balance	dec. %	0.80 - 1.20	1.02	1.07	1.05	1.01

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UNC MINING AND MILLING: CHURCHROCK OPERATIONS
GROUNDWATER MONITORING PROGRAM: ZONE 1 MONITOR WELLS

WELL ID:	**TWQ-142 (DUP)**
LABORATORY ID:	**00-34353-2**
SAMPLE DATE/TIME:	**07/10/00 09:45**
DATE RECEIVED:	**7/14/00**
REPORT DATE:	**August 21, 2000**
QUARTER REPRESENTED:	**Third 2000**
UNC SUBMITTAL #:	**TE-6-7-2000**

Major Ions	Method	Units	Reporting Limit	Results
Calcium	EPA 200.7	mg/L	0.05	24.3
Magnesium	EPA 200.7	mg/L	0.01	11.2
Sodium	EPA 200.7	mg/L	0.05	314
Potassium	EPA 200.7	mg/L	0.10	3.01
Bicarbonate	SM 2320-B	mg/L	0.10	240
Sulfate	EPA 200.7	mg/L	1.0	537
Chloride	EPA 200.7	mg/L	1.0	19.3
Ammonium as N	SM 4500-NH_3-G	mg/L	0.05	0.29
Nitrate + Nitrite as N	EPA 353.2	mg/L	0.10	< 0.10

Non-Metals				
Total Dissolved Solids	SM 2540-C	mg/L	1.0	1060
pH	SM 4500-H-B	std. units	0.10	8.06

Trace Metals				
Aluminum	EPA 200.7	mg/L	0.10	0.39
Arsenic III	SM 3114C	mg/L	0.001	< 0.001
Beryllium	EPA 200.7	mg/L	0.01	< 0.01
Cadmium	EPA 200.8	mg/L	0.005	< 0.005
Cobalt	EPA 200.7	mg/L	0.01	< 0.01
Iron	EPA 200.7	mg/L	0.05	0.74
Lead	EPA 200.7	mg/L	0.05	< 0.05
Manganese	EPA 200.7	mg/L	0.01	0.06
Molybdenum	EPA 200.7	mg/L	0.10	< 0.10
Nickel	EPA 200.7	mg/L	0.05	< 0.05
Selenium IV	SM 3114C	mg/L	0.001	< 0.001
Vanadium	EPA 200.7	mg/L	0.10	< 0.10

Radiometrics				
Uranium	EPA 200.8	mg/L	0.0003	0.0024
Radium 226	EPA 903.0	pCi/L	0.2	0.7
Radium Error Estimate ±				0.2
Radium 228	EPA 904.0	pCi/L	1.0	< 1.0
Radium Error Estimate ±				
Thorium 230	EPA 907.0	pCi/L	0.2	< 0.2
Thorium Error Estimate ±				
Lead 210	NERHL-65-4	pCi/L	1.0	< 1.0
Lead Error Estimate ±				
Gross Alpha	EPA 900.0	pCi/L	1.0	1.4
G. Alpha Error Estimate ±				1.0

Trace Organics				
Chloroform	EPA 601	µg/L	1.0	< 1.0

Quality Assurance Data		Target Range	
Anion	meq		15.7
Cation	meq		15.9
SM A/C Balance	%	-5 - +5	0.72
Calc TDS	mg/L		1030
TDS A/C Balance	dec. %	0.80 - 1.20	1.03

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UNC MINING AND MILLING: CHURCHROCK OPERATIONS
GROUNDWATER MONITORING PROGRAM: ZONE 1 MONITOR WELLS

WELL ID:	TWQ 143	TWQ 143	TWQ 143
LABORATORY ID:	99-35520	99-33596-001	30147-3
SAMPLE DATE/TIME:	07-13-99	10-05-99 @ 08:45	01-04-00 @ 09:25
REPORT DATE:	August 23, 1999	November 30, 1999	February 22, 2000
QUARTER REPRESENTED:	Third '99	Fourth '99	First 2000
UNC SUBMITTAL #:	TE-5-7-99	TE-7-10-99	TE-1-1-2000

Major Ions	Method	Units	Reporting Limit	Results	Results	Results
Calcium	EPA 200.7	mg/L	0.05	33.3	28.1	36.1
Magnesium	EPA 200.7	mg/L	0.01	18.0	15.6	19.4
Sodium	EPA 200.7	mg/L	0.05	284	257	272
Potassium	EPA 200.7	mg/L	0.10	4.0	3.0	5.4
Bicarbonate	SM 2320 B.	mg/L	0.10	247	235	242
Sulfate	EPA 200.7	mg/L	1.0	517	457	528
Chloride	EPA 200.7	mg/L	1.0	13.9	16.4	22.8
Ammonium as N	SM 4500-NH_3 G.	mg/L	0.05	0.33	0.32	0.33
Nitrate + Nitrite as N	EPA 353.2	mg/L	0.10	< 0.10	< 0.10	0.24
Non-Metals						
Total Dissolved Solids @ 180°C	SM 2540 C. Mod.	mg/L	1.0	857	953	998
pH	SM 4500-H B.	std. units	0.10	8.24	8.08	8.41
Trace Metals						
Aluminum	EPA 200.8	mg/L	0.10	< 0.10	< 0.10	< 0.10
Arsenic III	SM 3114C	mg/L	0.001	< 0.001	< 0.001	0.001
Beryllium	EPA 200.8	mg/L	0.01	< 0.01	< 0.01	< 0.01
Cadmium	EPA 200.8	mg/L	0.005	< 0.005	< 0.005	< 0.005
Cobalt	EPA 200.8	mg/L	0.01	< 0.01	< 0.01	< 0.01
Lead	EPA 200.8	mg/L	0.05	< 0.05	< 0.05	< 0.05
Manganese	EPA 200.8	mg/L	0.01	0.02	0.03	0.06
Molybdenum	EPA 200.8	mg/L	0.10	< 0.10	< 0.10	< 0.10
Nickel	EPA 200.8	mg/L	0.05	< 0.05	< 0.05	< 0.05
Selenium IV	SM 3114C	mg/L	0.001	< 0.001	< 0.001	0.001
Vanadium	EPA 200.8	mg/L	0.10	< 0.10	< 0.10	< 0.10
Radiometrics						
Uranium	EPA 200.8	mg/L	0.0003	0.0011	0.0010	0.0047
Radium 226	EPA 903.0	pCi/L	0.2	< 0.2	0.3	2.0
Radium Error Estimate ±					0.2	0.3
Radium 228	EPA 904.0	pCi/L	1.0	< 1.0	< 1.0	< 1.0
Radium Error Estimate ±						
Thorium 230	EPA 907.0	pCi/L	0.2	< 0.2	< 0.2	< 0.2
Thorium Error Estimate ±						
Lead 210	NEHRL-65-4	pCi/L	1.0	< 1.0	< 1.0	< 1.0
Lead Error Estimate ±						
Gross Alpha	EPA 900.1	pCi/L	1.0	< 1.0	< 1.0	3.1
G. Alpha Error Estimate ±						0.5
Trace Organics						
Chloroform	EPA 601	µg/L	1.0	< 1.0	< 1.0	< 1.0

Quality Assurance Data		Target Range			
Anion	meq		15.22	13.84	15.6
Cation	meq		15.65	13.99	15.4
WYDEQ A/C Balance	%	-5 - +5	1.40	0.54	-0.65
Calc TDS	mg/L		995	895	1006
TDS A/C Balance	dec. %	0.80 - 1.20	0.86	1.06	0.99

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UNC MINING AND MILLING: CHURCHROCK OPERATIONS
GROUNDWATER MONITORING PROGRAM: ZONE 1 MONITOR WELLS

WELL ID:	515-A	515-A	515-A	515-A
LABORATORY ID:	99-24245	99-35522	30147-5	00-32687-3
SAMPLE DATE/TIME:	04-06-99	07-13-99	01-04-00 @ 10:50	05/10/00 00:00
DATE RECEIVED:				05/12/2000
REPORT DATE:	May 6, 1999	August 23, 1999	February 22, 2000	June 21, 2000
QUARTER REPRESENTED:	Second '99	Third '99	First 2000	Second 2000
UNC SUBMITTAL #:	TE-3-4-99	TE-5-7-99	TE-1-1-2000	TE-4-5-2000

Major Ions	Method	Units	Reporting Limit	Results	Results	Results	Results
Calcium	EPA 200.7	mg/L	0.05	444	486	414	437
Magnesium	EPA 200.7	mg/L	0.01	889	938	810	871
Sodium	EPA 200.7	mg/L	0.05	404	440	338	437
Potassium	EPA 200.7	mg/L	0.10	13.7	18.0	13.7	13.6
Bicarbonate	SM 2320-B	mg/L	0.10	292	272	222	356
Sulfate	EPA 200.7	mg/L	1.0	4600	4800	4150	4440
Chloride	EPA 200.7	mg/L	1.0	286	254	221	261
Ammonium as N	SM4500 NH3-G	mg/L	0.05	6.52	4.52	3.59	9.79
Nitrate + Nitrite as N	EPA 353.2	mg/L	0.10	57.8	62.6	65.1	62.8

Non-Metals							
Total Dissolved Solids	SM 2540-C	mg/L	1.0	8130	7930	7720	8080
pH	SM 4500-H-B	std. units	0.10	6.59	7.42	7.14	7.01

Trace Metals							
Aluminum	EPA 200.8	mg/L	0.10	0.86	0.40	1.22	2.44
Arsenic III	SM 3114C	mg/L	0.001	< 0.001	< 0.001	< 0.001	< 0.001
Beryllium	EPA 200.8	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01
Cadmium	EPA 200.8	mg/L	0.005	0.006	0.006	0.006	< 0.005
Cobalt	EPA 200.8	mg/L	0.01	0.07	0.05	0.08	0.06
Lead	EPA 200.8	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05
Manganese	EPA 200.8	mg/L	0.01	13.6	13.6	14.0	11.8
Molybdenum	EPA 200.8	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nickel	EPA 200.8	mg/L	0.05	0.15	0.13	0.22	0.18
Selenium IV	SM 3114C	mg/L	0.001	< 0.001	< 0.001	< 0.001	< 0.001
Vanadium	EPA 200.8	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10

Radiometrics							
Uranium	EPA 200.8	mg/L	0.0003	0.0029	0.0036	0.0025	0.0036
Radium 226	EPA 903.0	pCi/L	0.2	3.4	2.3	3.2	4.1
Radium Error Estimate ±				0.4	0.3	0.3	0.4
Radium 228	EPA 904.0	pCi/L	1.0	4.8	2.9	4.2	2.1
Radium Error Estimate ±				0.3	0.2	0.2	0.2
Thorium 230	EPA 907.0	pCi/L	0.2	< 0.2	< 0.2	< 0.2	< 0.2
Thorium Error Estimate ±							
Lead 210	NERHL-65-4	pCi/L	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Lead Error Estimate ±							
Gross Alpha	EPA 900.1	pCi/L	1.0	3.1	2.0	3.7	12.0
G. Alpha Error Estimate ±				0.6	1.0	0.6	1.9

Trace Organics							
Chloroform	EPA 601	µg/L	1.0	190	172	171	198

Quality Assurance Data		Target Range				
Anion	meq		113	116	101	110
Cation	meq		116	123	104	115
SM A/C Balance	%	-5 - +5	1.18	2.96	1.67	2.20
Calc TDS	mg/L		7061	7369	6365	6940
TDS A/C Balance	dec. %	0.80 - 1.20	1.15	1.08	1.21	1.16

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UNC MINING AND MILLING: CHURCHROCK OPERATIONS
GROUNDWATER MONITORING PROGRAM: ZONE 1 MONITOR WELLS

WELL ID:	**515-A**
LABORATORY ID:	**00-34353-8**
SAMPLE DATE/TIME:	**07/11/00 09:25**
DATE RECEIVED:	**7/14/00**
REPORT DATE:	**August 21, 2000**
QUARTER REPRESENTED:	**Third 2000**
UNC SUBMITTAL #:	**TE-6-7-2000**

Major Ions	Method	Units	Reporting Limit	Results
Calcium	EPA 200.7	mg/L	0.05	458
Magnesium	EPA 200.7	mg/L	0.01	866
Sodium	EPA 200.7	mg/L	0.05	428
Potassium	EPA 200.7	mg/L	0.10	13.4
Bicarbonate	SM 2320-B	mg/L	0.10	242
Sulfate	EPA 200.7	mg/L	1.0	4460
Chloride	EPA 200.7	mg/L	1.0	239
Ammonium as N	SM 4500-NH_3-G	mg/L	0.05	4.19
Nitrate + Nitrite as N	EPA 353.2	mg/L	0.10	86.5
Non-Metals				
Total Dissolved Solids	SM 2540-C	mg/L	1.0	7740
pH	SM 4500-H-B	std. units	0.10	6.50
Trace Metals				
Aluminum	EPA 200.7	mg/L	0.10	2.11
Arsenic III	SM 3114C	mg/L	0.001	< 0.001
Beryllium	EPA 200.7	mg/L	0.01	< 0.01
Cadmium	EPA 200.8	mg/L	0.005	< 0.005
Cobalt	EPA 200.7	mg/L	0.01	0.09
Iron	EPA 200.7	mg/L	0.05	< 0.05
Lead	EPA 200.7	mg/L	0.05	< 0.05
Manganese	EPA 200.7	mg/L	0.01	14.6
Molybdenum	EPA 200.7	mg/L	0.10	< 0.10
Nickel	EPA 200.7	mg/L	0.05	0.19
Selenium IV	SM 3114C	mg/L	0.001	< 0.001
Vanadium	EPA 200.7	mg/L	0.10	< 0.10
Radiometrics				
Uranium	EPA 200.8	mg/L	0.0003	0.0021
Radium 226	EPA 903.0	pCi/L	0.2	2.0
Radium Error Estimate ±				0.3
Radium 228	EPA 904.0	pCi/L	1.0	3.6
Radium Error Estimate ±				0.2
Thorium 230	EPA 907.0	pCi/L	0.2	< 0.2
Thorium Error Estimate ±				
Lead 210	NERHL-65-4	pCi/L	1.0	< 1.0
Lead Error Estimate ±				
Gross Alpha	EPA 900.0	pCi/L	1.0	4.6
G. Alpha Error Estimate ±				1.5
Trace Organics				
Chloroform	EPA 601	µg/L	1.0	154

Quality Assurance Data		Target Range	
Anion	meq		110
Cation	meq		115
SM A/C Balance	%	-5 - +5	2.37
Calc TDS	mg/L		6988
TDS A/C Balance	dec. %	0.80 - 1.20	1.11

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UNC MINING AND MILLING: CHURCHROCK OPERATIONS
GROUNDWATER MONITORING PROGRAM: ZONE 1 MONITOR WELLS

WELL ID:	619	619	619
LABORATORY ID:	99-35524	99-33596-006	30147-7
SAMPLE DATE/TIME:	07-13-99	10-05-99 @ 10:13	01-04-00 @ 11:12
REPORT DATE:	August 23, 1999	December 1, 1999	February 22, 2000
QUARTER REPRESENTED:	Third '99	Fourth '99	First 2000
UNC SUBMITTAL #:	TE-5-7-99	TE-7-10-99	TE-1-1-2000

Major Ions	Method	Units	Reporting Limit	Results	Results	Results
Calcium	EPA 200.7	mg/L	0.05	551	581	467
Magnesium	EPA 200.7	mg/L	0.01	565	606	497
Sodium	EPA 200.7	mg/L	0.05	195	169	151
Potassium	EPA 200.7	mg/L	0.10	11.4	8.40	8.90
Bicarbonate	SM 2320 B.	mg/L	0.10	194	188	188
Sulfate	EPA 200.7	mg/L	1.0	3460	3790	3000
Chloride	EPA 200.7	mg/L	1.0	50.3	48.3	44.4
Ammonium as N	SM 4500-NH_3 G.	mg/L	0.05	0.49	0.51	< 0.05
Nitrate + Nitrite as N	EPA 353.2	mg/L	0.10	0.29	0.28	0.18

Non-Metals						
Total Dissolved Solids @ 180°C	SM 2540 C. Mod.	mg/L	1.0	5400	5220	5330
pH	SM 4500-H B.	std. units	0.10	7.96	7.86	7.67

Trace Metals						
Aluminum	EPA 200.8	mg/L	0.10	< 0.10	< 0.10	< 0.10
Arsenic III	SM 3114C	mg/L	0.001	< 0.001	< 0.001	< 0.001
Beryllium	EPA 200.8	mg/L	0.01	< 0.01	< 0.01	< 0.01
Cadmium	EPA 200.8	mg/L	0.005	< 0.005	< 0.005	< 0.005
Cobalt	EPA 200.8	mg/L	0.01	< 0.01	0.01	< 0.01
Lead	EPA 200.8	mg/L	0.05	< 0.05	< 0.05	< 0.05
Manganese	EPA 200.8	mg/L	0.01	2.34	2.77	2.43
Molybdenum	EPA 200.8	mg/L	0.10	< 0.10	< 0.10	< 0.10
Nickel	EPA 200.8	mg/L	0.05	< 0.05	< 0.05	< 0.05
Selenium IV	SM 3114C	mg/L	0.001	< 0.001	< 0.001	< 0.001
Vanadium	EPA 200.8	mg/L	0.10	< 0.10	< 0.10	< 0.10

Radiometrics						
Uranium	EPA 200.8	mg/L	0.0003	0.0072	0.0066	0.0067
Radium 226	EPA 903.0	pCi/L	0.2	1.4	1.7	1.4
Radium Error Estimate ±				0.3	0.2	0.3
Radium 228	EPA 904.0	pCi/L	1.0	3.0	3.0	1.8
Radium Error Estimate ±				0.2	0.3	0.3
Thorium 230	EPA 907.0	pCi/L	0.2	< 0.2	< 0.2	< 0.2
Thorium Error Estimate ±						
Lead 210	NEHRL-65-4	pCi/L	1.0	< 1.0	< 1.0	< 1.0
Lead Error Estimate ±						
Gross Alpha	EPA 900.1	pCi/L	1.0	< 1.0	3.9	1.5
G. Alpha Error Estimate ±					1.2	0.5

Trace Organics						
Chloroform	EPA 601	µg/L	1.0	< 1.0	< 1.0	< 1.0

Quality Assurance Data		Target Range			
Anion	meq		76.70	83.42	66.8
Cation	meq		83.58	87.31	71.7
WYDEQ A/C Balance	%	-5 - +5	4.29	2.28	3.51
Calc TDS	mg/L		4934	5301	4266
TDS A/C Balance	dec. %	0.80 - 1.20	1.09	0.98	1.25

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UNC MINING AND MILLING: CHURCHROCK OPERATIONS
GROUNDWATER MONITORING PROGRAM: ZONE 1 MONITOR WELLS

WELL ID:	EPA 2	EPA 2	EPA 2	EPA 2
LABORATORY ID:	99-36000	99-33759-005	30274-4	32496-3
SAMPLE DATE:	07-20-99	10-12-99 @ 13:16	01-11-00 @ 10:15	05-02-00
REPORT DATE:	August 31, 1999	November 19, 1999	February 23, 2000	June 04, 2000
QUARTER REPRESENTED:	Third 1999	Fourth 1999	First 2000	Second 2000
UNC SUBMITTAL #:	TE-6-7-99	TE-8-10-99	TE-2-1-2000	TE-3-5-2000

Major Ions	Method	Units	Reporting Limit	Results	Results	Results	Results
Calcium	EPA 200.7	mg/L	0.05	385	478	384	349
Magnesium	EPA 200.7	mg/L	0.01	186	244	187	162
Sodium	EPA 200.7	mg/L	0.05	187	186	179	183
Potassium	EPA 200.7	mg/L	0.10	8.8	7.6	7.4	5.9
Bicarbonate	SM 2320 B.	mg/L	0.10	307	268	310	296
Sulfate	EPA 200.7	mg/L	1.0	1650	1970	1700	1490
Chloride	EPA 200.7	mg/L	1.0	29.0	45.7	28.9	20.2
Ammonium as N	SM 4500-NH_3 G.	mg/L	0.05	0.59	0.70	0.57	0.48
Nitrate + Nitrite as N	EPA 353.2	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10

Non-Metals							
Total Dissolved Solids @ 180°C	SM 2540 C. Mod.	mg/L	1.0	3080	3640	3090	2800
pH	SM 4500-H B.	std. units	0.10	7.67	7.65	7.63	7.72

Trace Metals							
Aluminum	EPA 200.8	mg/L	0.10	< 0.10	< 0.10	0.12	< 0.10
Arsenic III	SM 3114C	mg/L	0.001	< 0.001	< 0.001	< 0.001	< 0.001
Beryllium	EPA 200.8	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01
Cadmium	EPA 200.8	mg/L	0.005	< 0.005	< 0.005	< 0.005	< 0.005
Cobalt	EPA 200.8	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01
Lead	EPA 200.8	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05
Manganese	EPA 200.8	mg/L	0.01	1.35	2.21	1.58	1.29
Molybdenum	EPA 200.8	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nickel	EPA 200.8	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05
Selenium IV	SM 3114C	mg/L	0.001	< 0.001	< 0.001	0.001	< 0.001
Vanadium	EPA 200.8	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10

Radiometrics							
Uranium	EPA 200.8	mg/L	0.0003	0.0012	< 0.0003	0.0015	0.0016
Radium 226	EPA 903.0	pCi/L	0.2	1.2	0.6	0.8	1.7
Radium Error Estimate ±				0.2	0.2	0.3	0.3
Radium 228	EPA 904.0	pCi/L	1.0	2.1	2.2	< 1.0	< 1.0
Radium Error Estimate ±				0.2	0.9		
Thorium 230	EPA 907.0	pCi/L	0.2	< 0.2	< 0.2	< 0.2	< 0.2
Thorium Errror Estimate ±							
Lead 210	NERHL-65-4	pCi/L	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Lead Error Estimate ±							
Gross Alpha	EPA 900.1	pCi/L	1.0	2.1	1.8	< 1.0	2.2
G. Alpha Error Estimate ±				0.5	0.5		1.0

Trace Organics							
Chloroform	EPA 601	µg/L	1.0	< 1.0	< 1.0	< 1.0	< 1.0

Quality Assurance Data		Target Range				
Anion	meq		40.23	46.73	41.3	36.5
Cation	meq		43.23	52.70	42.9	39.2
SM A/C Balance	%	-5 - +5	3.60	6.00	1.87	3.57
Calc TDS	mg/L		2602	3069	2644	2360
TDS A/C Balance	dec. %	0.80-1.20	1.18	1.19	1.17	1.19

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UNC MINING AND MILLING: CHURCHROCK OPERATIONS
GROUNDWATER MONITORING PROGRAM: ZONE 1 MONITOR WELLS

WELL ID:	EPA-2
LABORATORY ID:	00-34353-5
SAMPLE DATE/TIME:	07/10/00 14:25
DATE RECEIVED:	7/14/00
REPORT DATE:	August 21, 2000
QUARTER REPRESENTED:	Third 2000
UNC SUBMITTAL #:	TE-6-7-2000

Major Ions	Method	Units	Reporting Limit	Results
Calcium	EPA 200.7	mg/L	0.05	369
Magnesium	EPA 200.7	mg/L	0.01	166
Sodium	EPA 200.7	mg/L	0.05	192
Potassium	EPA 200.7	mg/L	0.10	5.89
Bicarbonate	SM 2320-B	mg/L	0.10	334
Sulfate	EPA 200.7	mg/L	1.0	1540
Chloride	EPA 200.7	mg/L	1.0	20.4
Ammonium as N	SM 4500-NH_3-G	mg/L	0.05	0.47
Nitrate + Nitrite as N	EPA 353.2	mg/L	0.10	< 0.10
Non-Metals				
Total Dissolved Solids	SM 2540-C	mg/L	1.0	2740
pH	SM 4500-H-B	std. units	0.10	7.42
Trace Metals				
Aluminum	EPA 200.7	mg/L	0.10	< 0.10
Arsenic III	SM 3114C	mg/L	0.001	< 0.001
Beryllium	EPA 200.7	mg/L	0.01	< 0.01
Cadmium	EPA 200.8	mg/L	0.005	< 0.005
Cobalt	EPA 200.7	mg/L	0.01	< 0.01
Iron	EPA 200.7	mg/L	0.05	15.7
Lead	EPA 200.7	mg/L	0.05	< 0.05
Manganese	EPA 200.7	mg/L	0.01	1.27
Molybdenum	EPA 200.7	mg/L	0.10	< 0.10
Nickel	EPA 200.7	mg/L	0.05	< 0.05
Selenium IV	SM 3114C	mg/L	0.001	< 0.001
Vanadium	EPA 200.7	mg/L	0.10	< 0.10
Radiometrics				
Uranium	EPA 200.8	mg/L	0.0003	0.0011
Radium 226	EPA 903.0	pCi/L	0.2	1.5
Radium Error Estimate ±				0.2
Radium 228	EPA 904.0	pCi/L	1.0	3.9
Radium Error Estimate ±				0.2
Thorium 230	EPA 907.0	pCi/L	0.2	< 0.2
Thorium Error Estimate ±				
Lead 210	NERHL-65-4	pCi/L	1.0	< 1.0
Lead Error Estimate ±				
Gross Alpha	EPA 900.0	pCi/L	1.0	1.4
G. Alpha Error Estimate ±				1.0
Trace Organics				
Chloroform	EPA 601	µg/L	1.0	< 1.0

Quality Assurance Data		Target Range	
Anion	meq		38.1
Cation	meq		40.9
SM A/C Balance	%	-5 - +5	3.47
Calc TDS	mg/L		2463
TDS A/C Balance	dec. %	0.80 - 1.20	1.11

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UNC MINING AND MILLING: CHURCHROCK OPERATIONS
GROUNDWATER MONITORING PROGRAM: ZONE 1 MONITOR WELLS

WELL ID:	EPA 5	EPA 5	EPA 5	EPA 5
LABORATORY ID:	99-35999	99-33759-004	30274-3	32496-6
SAMPLE DATE:	07-20-99	10-12-99 @ 10:36	01-11-00 @ 09:55	05-03-00
REPORT DATE:	August 31, 1999	November 19, 1999	February 23, 2000	June 04, 2000
QUARTER REPRESENTED:	Third 1999	Fourth 1999	First 2000	Second 2000
UNC SUBMITTAL #:	TE-6-7-99	TE-8-10-99	TE-2-1-2000	TE-3-5-2000

Major Ions	Method	Units	Reporting Limit	Results	Results	Results	Results
Calcium	EPA 200.7	mg/L	0.05	567	523	493	461
Magnesium	EPA 200.7	mg/L	0.01	949	899	860	595
Sodium	EPA 200.7	mg/L	0.05	82.0	306	286	181
Potassium	EPA 200.7	mg/L	0.10	16.6	15.0	13.7	14.7
Bicarbonate	SM 2320 B.	mg/L	0.10	1090	1086	1050	458
Sulfate	EPA 200.7	mg/L	1.0	4580	4180	3980	3160
Chloride	EPA 200.7	mg/L	1.0	198	191	166	94.0
Ammonium as N	SM 4500-NH_3 G.	mg/L	0.05	15.0	19.4	14.4	22.3
Nitrate + Nitrite as N	EPA 353.2	mg/L	0.10	73.9	64.2	53.2	42.3
Non-Metals							
Total Dissolved Solids @ 180°C	SM 2540 C. Mod.	mg/L	1.0	8130	7960	7920	5780
pH	SM 4500-H B.	std. units	0.10	7.55	7.75	7.78	7.56
Trace Metals							
Aluminum	EPA 200.8	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Arsenic III	SM 3114C	mg/L	0.001	< 0.001	< 0.001	< 0.001	< 0.001
Beryllium	EPA 200.8	mg/L	0.01	< 0.01	< 0.01	< 0.01	< 0.01
Cadmium	EPA 200.8	mg/L	0.005	< 0.005	< 0.005	< 0.005	< 0.005
Cobalt	EPA 200.8	mg/L	0.01	0.05	0.04	0.06	0.08
Lead	EPA 200.8	mg/L	0.05	< 0.05	< 0.05	< 0.05	< 0.05
Manganese	EPA 200.8	mg/L	0.01	0.49	0.59	0.51	1.23
Molybdenum	EPA 200.8	mg/L	0.10	0.36	0.35	0.37	< 0.10
Nickel	EPA 200.8	mg/L	0.05	< 0.05	< 0.05	0.07	0.10
Selenium IV	SM 3114C	mg/L	0.001	0.004	0.001	0.005	0.003
Vanadium	EPA 200.8	mg/L	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Radiometrics							
Uranium	EPA 200.8	mg/L	0.0003	0.127	0.124	0.111	0.0365
Radium 226	EPA 903.0	pCi/L	0.2	1.6	1.2	0.9	0.7
Radium Error Estimate ±				0.2	0.3	0.2	0.2
Radium 228	EPA 904.0	pCi/L	1.0	< 1.0	< 1.0	< 1.0	2.0
Radium Error Estimate ±							0.1
Thorium 230	EPA 907.0	pCi/L	0.2	< 0.2	< 0.2	< 0.2	< 0.2
Thorium Error Estimate ±							
Lead 210	NERHL-65-4	pCi/L	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Lead Error Estimate ±							
Gross Alpha	EPA 900.1	pCi/L	1.0	2.2	< 1.0	< 1.0	< 1.0
G. Alpha Error Estimate ±				0.5			
Trace Organics							
Chloroform	EPA 601	µg/L	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Quality Assurance Data			**Target Range**				
Anion		meq		124.14	114.85	109	79.0
Cation		meq		112.53	116.18	110	82.6
SM A/C Balance		%	-5 - +5	-4.90	0.58	0.72	2.19
Calc TDS		mg/L		7285	6967	6578	4952
TDS A/C Balance		dec. %	0.80-1.20	1.12	1.14	1.20	1.17

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UNC MINING AND MILLING: CHURCHROCK OPERATIONS
GROUNDWATER MONITORING PROGRAM: ZONE 1 MONITOR WELLS

WELL ID:	EPA-5
LABORATORY ID:	00-34353-11
SAMPLE DATE/TIME:	07/11/00 13:00
DATE RECEIVED:	7/14/00
REPORT DATE:	August 21, 2000
QUARTER REPRESENTED:	Third 2000
UNC SUBMITTAL #:	TE-6-7-2000

Major Ions	Method	Units	Reporting Limit	Results
Calcium	EPA 200.7	mg/L	0.05	496
Magnesium	EPA 200.7	mg/L	0.01	630
Sodium	EPA 200.7	mg/L	0.05	188
Potassium	EPA 200.7	mg/L	0.10	13.5
Bicarbonate	SM 2320-B	mg/L	0.10	415
Sulfate	EPA 200.7	mg/L	1.0	3310
Chloride	EPA 200.7	mg/L	1.0	92.7
Ammonium as N	SM 4500-NH_3-G	mg/L	0.05	23.0
Nitrate + Nitrite as N	EPA 353.2	mg/L	0.10	42.5

Non-Metals				
Total Dissolved Solids	SM 2540-C	mg/L	1.0	5720
pH	SM 4500-H-B	std. units	0.10	7.09

Trace Metals				
Aluminum	EPA 200.7	mg/L	0.10	< 0.10
Arsenic III	SM 3114C	mg/L	0.001	< 0.001
Beryllium	EPA 200.7	mg/L	0.01	< 0.01
Cadmium	EPA 200.8	mg/L	0.005	< 0.005
Cobalt	EPA 200.7	mg/L	0.01	0.08
Iron	EPA 200.7	mg/L	0.05	< 0.05
Lead	EPA 200.7	mg/L	0.05	0.05
Manganese	EPA 200.7	mg/L	0.01	1.16
Molybdenum	EPA 200.7	mg/L	0.10	< 0.10
Nickel	EPA 200.7	mg/L	0.05	< 0.05
Selenium IV	SM 3114C	mg/L	0.001	< 0.001
Vanadium	EPA 200.7	mg/L	0.10	< 0.10

Radiometrics				
Uranium	EPA 200.8	mg/L	0.0003	0.0219
Radium 226	EPA 903.0	pCi/L	0.2	0.7
Radium Error Estimate ±				0.2
Radium 228	EPA 904.0	pCi/L	1.0	2.3
Radium Error Estimate ±				0.2
Thorium 230	EPA 907.0	pCi/L	0.2	< 0.2
Thorium Error Estimate ±				
Lead 210	NERHL-65-4	pCi/L	1.0	< 1.0
Lead Error Estimate ±				
Gross Alpha	EPA 900.0	pCi/L	1.0	< 1.0
G. Alpha Error Estimate ±				

Trace Organics				
Chloroform	EPA 601	µg/L	1.0	< 1.0

Quality Assurance Data		Target Range	
Anion	meq		81.4
Cation	meq		87.5
SM A/C Balance	%	-5 - +5	3.62
Calc TDS	mg/L		5157
TDS A/C Balance	dec. %	0.80 - 1.20	1.11

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UNC MINING AND MILLING: CHURCHROCK OPERATIONS
GROUNDWATER MONITORING PROGRAM: ZONE 1 MONITOR WELLS

WELL ID:	EPA 8	EPA 8	EPA 8
LABORATORY ID:	99-35996	99-33759-001	30274-1
SAMPLE DATE:	07-20-99	10-12-99 @ 09:38	01-11-00 @ 09:25
REPORT DATE:	August 31, 1999	November 18, 1999	February 23, 2000
QUARTER REPRESENTED:	Third 1999	Fourth 1999	First 2000
UNC SUBMITTAL #:	TE-6-7-99	TE-8-10-99	TE-2-1-2000

Major Ions	Method	Units	Reporting Limit	Results	Results	Results
Calcium	EPA 200.7	mg/L	0.05	514	552	510
Magnesium	EPA 200.7	mg/L	0.01	379	414	387
Sodium	EPA 200.7	mg/L	0.05	169	133	127
Potassium	EPA 200.7	mg/L	0.10	10.3	7.7	8.1
Bicarbonate	SM 2320 B.	mg/L	0.10	119	121	125
Sulfate	EPA 200.7	mg/L	1.0	2710	3000	2750
Chloride	EPA 200.7	mg/L	1.0	47.0	42.9	39.3
Ammonium as N	SM 4500-NH_3 G.	mg/L	0.05	0.76	0.71	0.79
Nitrate + Nitrite as N	EPA 353.2	mg/L	0.10	< 0.10	< 0.10	< 0.10
Non-Metals						
Total Dissolved Solids @ 180°C	SM 2540 C. Mod.	mg/L	1.0	4780	4790	4720
pH	SM 4500-H B.	std. units	0.10	7.18	7.44	7.29
Trace Metals						
Aluminum	EPA 200.8	mg/L	0.10	< 0.10	< 0.10	< 0.10
Arsenic III	SM 3114C	mg/L	0.001	< 0.001	< 0.001	< 0.001
Beryllium	EPA 200.8	mg/L	0.01	< 0.01	< 0.01	< 0.01
Cadmium	EPA 200.8	mg/L	0.005	< 0.005	< 0.005	< 0.005
Cobalt	EPA 200.8	mg/L	0.01	< 0.01	< 0.01	< 0.01
Lead	EPA 200.8	mg/L	0.05	< 0.05	< 0.05	< 0.05
Manganese	EPA 200.8	mg/L	0.01	2.40	3.08	2.99
Molybdenum	EPA 200.8	mg/L	0.10	< 0.10	< 0.10	< 0.10
Nickel	EPA 200.8	mg/L	0.05	< 0.05	< 0.05	< 0.05
Selenium IV	SM 3114C	mg/L	0.001	< 0.001	< 0.001	< 0.001
Vanadium	EPA 200.8	mg/L	0.10	< 0.10	< 0.10	< 0.10
Radiometrics						
Uranium	EPA 200.8	mg/L	0.0003	0.0016	< 0.0003	0.0016
Radium 226	EPA 903.0	pCi/L	0.2	1.4	0.9	0.9
Radium Error Estimate ±				0.2	0.3	0.2
Radium 228	EPA 904.0	pCi/L	1.0	1.5	4.2	2.6
Radium Error Estimate ±				0.2	1.0	0.2
Thorium 230	EPA 907.0	pCi/L	0.2	< 0.2	< 0.2	< 0.2
Thorium Error Estimate ±						
Lead 210	NEHRL-65-4	pCi/L	1.0	< 1.0	< 1.0	< 1.0
Lead Error Estimate ±						
Gross Alpha	EPA 900.1	pCi/L	1.0	1.8	1.6	< 1.0
G. Alpha Error Estimate ±				0.4	0.8	
Trace Organics						
Chloroform	EPA 601	µg/L	1.0	< 1.0	< 1.0	< 1.0

Quality Assurance Data		Target Range			
Anion	meq		59.74	65.70	60.5
Cation	meq		65.09	68.31	63.7
WYDEQ A/C Balance	%	-5 - +5	4.29	1.95	2.62
Calc TDS	mg/L		3893	4215	3888
TDS A/C Balance	dec. %	0.80-1.20	1.23	1.14	1.21

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