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Analytical Results for 328 Water Samples from the Silver City 1° x 2° Quadrangle, Arizona and New Mexico

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INTRODUCTION

Three hundred twenty-eight water samples were collected within the Silver City 1° x 2° quadrangle, Arizona and New Mexico, during 1978-1980, as part of a mineral resource assessment study. The samples were analyzed for alkalinity, pH, specific conductance, temperature and 44 chemical constituents.

The water samples were collected mainly in the pediment and basin portions of the Silver City quadrangle.

ACKNOWLEDGMENTS

We thank the landowners, ranchers, and farmers who kindly allowed access to their property and water sources. Frequently, and at their own time and expense, these same people provided the necessary power to operate many of the wells that were sampled.

SAMPLING METHODS

The 328 water samples were collected from 248 wells, 15 springs and seeps, and 51 storage tanks that were fed by either wells or springs at that site. The remaining 14 samples were "duplicate" samples; this "duplication" occurred when a well-water sample was taken from a well that fed a previously sampled storage tank.

Well-water samples were taken from dug wells, windmills, irrigation and domestic wells. Samples from pumping wells were taken as close to the well head as possible. Generally, wells were allowed to run for 3-5 minutes before the sample was taken, although intermittent wind conditions sometimes forestalled that precautionary procedure. Water from wells having pressure tanks was collected, when possible, before the water reached the tank. Water from the pressure tank was allowed to run 1-5 minutes (depending on size and frequency of use of the pressure tank) after pumping began. The influx of "fresh" water was generally indicated by a sharp drop in temperature. These samples were also classified well-water samples.

Water was taken from storage tanks when such factors as lack of wind, access to electricity, physical barriers, and so forth, prohibited the taking of water from a pumping well. These tanks were constructed from a variety of materials including cement, concrete, wood, iron, and galvanized zinc. The interiors of some tanks were coated with asphalt, asphalt-asbestos mixtures, and aluminum paint.

Some of the springs and seeps were "improved", but water was classified tank water only if the water was taken from a separate holding tank.

At each sample site, a portion of the water was filtered through a 0.45-micron filter and collected into an acid-rinsed polyethylene bottle. This sample was immediately acidified to pH<2 by the addition of a few drops of Ultrex nitric acid. Additionally, a portion of untreated water was collected into a polyethylene bottle that had been rinsed with the sample water. At 103 well and 5 spring sites, an untreated sample was collected into a glass bottle having a foil-lined cap for later radon determination.

ANALYTICAL METHODS

Water temperature and pH were measured at the sample site. All other determinations were made in the laboratory in Denver, Colo. Alkalinity, calcium, chloride, fluoride, lithium, magnesium, nitrate, potassium, radon, sodium, sulfate, and specific conductance were determined on the untreated water sample. The remaining analyses were performed on the filtered and acidified sample. The analytical methods used are shown in table 1. Charge-balance calculations were performed to determine if approximate electrical neutrality exists among the major ionic constituents. Using ion concentrations in milliequivalents per liter, $\text{charge balance} = \frac{/\text{cations}/ - /\text{anions}/}{/\text{cations}/ + /\text{anions}/} \times 100$.

RESULTS

The constituents that were analyzed for and report parameters are given in table 2; the analytical results of the 328 water samples are tabulated in table 3. Water-sample localities are shown on plate 1.

Some elements were determined by both atomic-absorption spectrophotometry (AA) and inductively coupled plasma-atomic emission spectroscopy (ICP) methods, including arsenic, calcium, copper, iron, manganese, magnesium, molybdenum, lead, and zinc. Only the AA values are presented here because the AA method usually had the lower detection limit and because of the deterioration of a number of samples resulting from the length of time between two types of analysis. The methods were, in general, comparable.

Additionally, the ICP method indicates the following elements to be below detection limits (detection limits in µg/L): antimony (391); bismuth (460); gold (50); lead (321); nickel (51); tin (258); and tungsten (148).

The results should be considered as having only two significant figures. Instrument readouts frequently give three or more digits, especially if the data is internally manipulated before the readout. Additionally, when a number such as "1200" occurs in the same column as a number such as "3.5", the computer printout will be "1200.0", indicating a false precision.

Recent work indicates that the precision of the data for some analyses is less than desired. In general, the more dissolved solids present, the greater the possibility of analytical problems. Roughly, at a given detection limit for either an AA or ICP determination, the relative standard deviation may be 100 percent or more. At 5 times detection limit or more, the relative standard deviation is about 10 percent, although there are indications that for a concentration of arsenic >50 µg/L, the deviation may be about 30 percent.

Explanation of table 3

The column headings in table 3 are restricted by computer software to 8 letters, resulting in such titles as "longitud" for longitude and "magnesiu" for magnesium. Such abbreviations should cause little inconvenience for the reader.

The column listings in table 3 are arranged so that column 1 contains the sample identifiers. The first two numbers of the sample identifier designate

the year the sample was collected. The next two letters indicate the 7.5- or 15-minute U.S. Geological Survey topographic quadrangle in which the sample was collected. The letter abbreviation and corresponding quadrangles are as follows:

AC	Allie Canyon
AH	Antelope Hill
AN	Artesia NE
AR	Artesia
BO	Bowie (includes Bowie, Martin Well, Olga, and Ryan Draw 7.5-minute quadrangles)
BP	Burro Peak
BR	Brockman
CB	C-Bar Ranch
CD	Cochise Head (includes Cochise Head, Little Wood Canyon, Bowie Mountain North, and Bowie Mountain South 7.5-minute quadrangles)
CF	Cliff
CM	Circle Mesa
CO	Cochise
CP	Candor Peak
CR	Culbertson Ranch
CS	Cow Springs Mountain
CT	Cotton City
CY	Coyote Peak
DC	Dos Cabezas (includes Dos Cabezas, Dos Cabezas SW, Pat Hills North, and Simmons Peak 7.5-minute quadrangles)
DM	Dry Mountain
DR	Dorsey Ranch
DU	Duncan
FB	Fort Bayard
FS	Faywood Station
GA	Gage (includes Gage, Gage NW, Gage SE, and Gage SW 7.5-minute quadrangles)
GE	Grandmother Mountain East
GH	Gold Hill
GI	Gillespie Mountain
GU	Guthrie
GW	Grandmother Mountain West
GY	Gary
HE	Hurley East
HW	Hurley West
JP	Javelina Peak
LI	Lisbon
LO	Lordsburg
LU	Luzena (includes Fisher Hills, Luzena, Monk Draw, and Railroad Pass 7.5-minute quadrangles)

MG	Mount Graham (includes Fort Grant, Mount Graham, Stockton Pass, and Webb Peak 7.5-minute quadrangles)
ML	Mondel
MR	Muir Ranch
NH	Nine Mile Hill
NR	Ninety-six Ranch
PP	Pyramid Peak
RM	Reading Mountain
RR	Redrock
SA	Safford
SC	Silver City
SE	Separ (includes Separ and Separ NE 7.5-minute quadrangles)
SF	Swallow Fork Mountain
SH	Soldiers Farewell Hill
SI	Steins
SP	South Pyramid Peak
SR	Santa Rita
SS	San Simon
ST	Steeple Rock
SU	Summit
TA	Tanque
TE	The Saltys
TH	Thatcher
TS	Twin Sisters
TT	Table Top Mountain
TY	Tyrone
VA	Vanar
WC	Whitlock Cienega
WH	Werney Hill
WM	Wind Mountain
WN	Whitlock Mountain NE
WS	White Signal
WW	Whitewater
WX	Willcox
YV	York Valley

The three numbers following letter abbreviations are the unique identification of the sample site. The first number designates the person who collected the sample and performed the on-site analytical determinations. Odd numbered samples (100's, 300's, and so forth) were collected by J. R. Hassemer, even numbered samples by K. C. Watts. These numbers, although sequential, are not consecutive. Letter suffixes at the end of the sample number have the following meanings: W, well water; S, spring or seep water; and T, storage-tank water.

The latitude and longitude for each sample locality is shown in degrees, minutes, and seconds in columns 2 and 3. The remaining columns list the 42

constituents (see table 2) for which data are available.

Data-qualified (censoring) codes are used with some reported values. Symbols used are: <, below the value shown; and --, no data available.

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ADDENDUM

A note of caution for the nontechnical reader

For the reader unaccustomed to ICP methodology or chemical terminology, a special warning: there may be a 100-percent deviation or more at--or close to--the detection limit, which means, for example, if a detection limit is 10, a reported value of 11 is highly suspect. The true value may in fact be (much) less than 1. Similarly, for an element whose detection limit is indicated by the entry <120 and whose reported value is 140, the true value may again be less than 1 (140 minus 100% of 140).

Note that this warning applies to nearly all reported values of the following elements: beryllium, cadmium, cerium, chromium, cobalt, germanium, lanthanum, niobium, phosphate, silver, titanium, and yttrium. Unfortunately, insufficient sample (and time) remained to check these results. However, because some of these values may exceed recommended EPA or state water-quality standards or other suggested levels, we are releasing this suspect data.

This work was performed to detect trends in data that might be useful in the mineral assessment of an approximate 8,000 mi^2 area. This program was reconnaissance in nature and not to determine the "water quality" of a specific source. Because individual samples were not subject to rigorous sample control and because many determinations were <u>not</u> made by "standard methods of analysis", analysis of individual samples should not be considered as having legal status.

Table 1.--Analytical methods used for water analyses, Silver City 1° x 2° quadrangle, Arizona and New Mexico

Property,[1] element, or compound	Analyst[2]	Method	Reference
Alkalinity	1,5	Gran's plot titration	Orion Research, Inc. (1978)
Chloride	1,5	Ion chromatography	Fishman and Pyen (1979)
Fluoride	1,5	do.	Do.
Nitrate	1,5	do.	Do.
Sulfate	1,5	do.	Do.
Calcium	1,5	Flame atomic-absorption spectrophotometry	Fishman and Downs (1966)
Lithium	1	do.	Do.
Magnesium	1,5	do.	Do.
Potassium	1	do.	Do.
Sodium	1	do.	Do.
Iron (>200 µg/L)	1	do.	Do.
Zinc (>20 µg/L)	1	do.	Do.
Manganese (>200 µg/L)	1	do.	Brown and others (1970)
Silica	1	do.	Do.
Arsenic	1,4	Electrothermal atomic-absorption spectrophotometry	Perkin-Elmer Corp. (1977a)
Copper	1,4	do.	Do.
Iron (<200 µg/L)	1	do.	Do.
Manganese (<200 µg/L)	1	do.	Do.
Lead	4	do.	Do.
Selenium	4,1	do.	Perkin-Elmer Corp. (1977b)
Zinc (<20 µg/L)	1,4	do.	Perkin-Elmer Corp. (1977a)
Molybdenum	1,4	do.	--[3]
Uranium	1,6	Laser-excitation fluorescence	Ward and Bondar (1979)
Specific conductance	1,5	Conductivity bridge	Brown and others (1970)
pH	1,7	pH meter	Do.
Temperature	1,7	Thermometer	Do.

Table 1.--Analytical methods used for water analyses, Silver City 1° x 2° quadrangle, Arizona and New Mexico--Continued

Property,[1] element, or compound	Analyst[2]	Method	Reference
Radon	2	Alpha particle detection	Dyck (1969)
Aluminum	3,1	Inductively coupled plasma-atomic emission spectroscopy	--[4]
Barium	3,1	do.	Do.
Beryllium	3,1	do.	Do.
Boron	3,1	do.	Do.
Cadmium	3,1	do.	Do.
Cerium	3,1	do.	Do.
Chromium	3,1	do.	Do.
Cobalt	3,1	do.	Do.
Germanium	3,1	do.	Do.
Lanthanum	3,1	do.	Do.
Niobium	3,1	do.	Do.
Phosphate	3,1	do.	Do.
Silver	3,1	do.	Do.
Strontium	3,1	do.	Do.
Titanium	3,1	do.	Do.
Vanadium	3,1	do.	Do.
Yttrium	3,1	do.	Do

[1]Some elements were determined by two different procedures (for example, iron values greater than 200 micrograms per liter (>200 µg/L) were determined by flame atomic-absorption spectrophotometry while iron values less than 200 micrograms per liter (<200 µg/L) were determined by electrothermal atomic-absorption spectrophotometry).

[2]Analysts: (1) Hassemer, J. R., (2) Ficklin, W. H., (3) Motooka, J. M., (4) Preston, D. J., (5) Smaglik, S. M.; (6) Ward, F. N., (7) Watts, K. C. Number order in table indicates principal analyst.

[3]The specific method of analysis is undocumented, but it is a modification of procedures described by the Perkin-Elmer Corporation (1977a).

[4]The specific method of analysis is undocumented, but it is a modification of procedures described by Church (1981).

Table 2.--Constituents and report parameters, Silver City 1° x 2° quadrangle, Arizona and New Mexico

Constituent Detection limits in parentheses[1]	Report parameter	Additional comments
Calcium(0.1), Chloride(0.1), Fluoride(0.1), Lithium(0.002), Magnesium(0.1), Nitrate(0.1), Potassium(0.1), Sodium(0.1), Strontium(0.002), and Sulfate(0.1)	Milligrams per liter	
Alkalinity(10)	do.	Reported as bicarbonate (HCO_3^-)
Phosphate (0.5, 1)	do.	Determined as phosphorus
Silica(1)	do.	Determined as silicon
Charge balance(0.1)	percent	
pH(0.01)	pH units	
Radon(5)	Pico curies	
Specific conductance(10)	Micro mhos per centimeter	
Temperature(0.5)	Degrees celsius	
Aluminum(31,36), Arsenic(1.0), Barium(1), Beryllium(1), Boron(4,6), Cadmium(10), Cerium(81), Chromium(13,14), Cobalt(107,120), Copper(0.5), Germanium(154), Iron (1) Lanthanum(18), Lead(0.1), Manganese(1), Molybdenum(0.5), Niobium(14), Selenium(0.1), Silver(12,15), Titanium(7), Uranium(1), Vanadium(8,9), Yttrium(3), and Zinc(0.5)	Micrograms per liter	

[1]Several elements determined by inductively coupled plasma-atomic emission spectrometry have two limits of detection.

TABLE 3. WATER SAMPLE DATA, SILVER CITY QUADRANGLE.

Sample	LATITUDE	LONGITUD	ALKALINE	CALCIUM	CHLORIDE	FLUORIDE	LITHIUM	MAGNESIU	NITRATE	PHOSPHAT	POTASSIU	SILICA
78CB117W	32 27 28	108 24 43	117	40.0	6.2	.6	.003	7.3	8.5	<.5	.40	38
78CB131W	32 25 45	108 23 53	206	47.0	53.0	4.5	.062	10.0	13.0	<.5	1.30	32
78CB133W	32 26 6	108 25 48	134	42.0	24.0	2.5	.053	11.5	28.0	<.5	1.80	30
78NR108W	32 20 23	108 23 45	138	43.0	40.0	.6	.013	12.2	22.0	<.5	1.80	32
78GH120W	32 23 16	108 32 10	194	50.0	16.0	2.2	.002	18.5	16.0	<.5	1.30	22
78GA102W	32 0 26	108 9 48	216	14.0	20.0	1.0	.054	11.2	14.0	<.5	1.90	39
78GA110W	32 2 16	108 14 21	212	46.0	53.0	1.2	.030	6.4	--	<.5	5.80	41
78GA113W	32 5 31	108 5 33	191	8.5	26.0	3.5	.046	2.1	18.0	<.5	2.30	41
78SI120W	32 11 50	108 55 37	201	22.0	26.0	5.9	.140	7.3	3.2	<.5	3.00	42
78SI122W	32 10 1	108 52 45	163	29.0	14.0	.7	.066	3.8	2.0	<.5	2.30	46
78SI123W	32 14 47	108 50 42	76	370.0	470.0	1.3	.180	94.0	20.0	<1.0	9.80	56
78CT116W	32 6 30	108 58 15	136	42.0	18.0	1.5	.023	14.0	44.0	<.5	3.00	25
78CT117W	32 3 43	108 57 2	202	43.0	6.1	3.4	.130	6.1	2.1	<.5	3.10	35
78CT119W	32 0 16	108 54 24	185	36.0	5.7	2.7	.110	3.0	4.4	<.5	2.70	44
78CT120W	32 2 45	108 55 0	177	28.0	4.5	3.1	.130	1.8	2.1	<.5	2.20	45
78CT122W	32 2 35	108 50 58	227	44.0	19.0	.5	.044	4.1	9.3	--	3.90	--
78CT123W	32 6 32	108 51 56	124	73.0	120.0	.5	.070	7.1	47.0	<.5	3.50	37
78GY101W	32 22 1	108 46 39	389	24.0	140.0	2.8	.064	16.0	2.5	<.5	2.00	45
78GY103W	32 19 21	108 49 43	373	14.0	53.0	9.3	.040	18.0	3.5	<.5	4.40	35
78ML108W	32 15 14	108 56 50	518	2.4	17.0	13.0	.007	.3	.4	.7	.50	33
78ML109W	32 20 37	108 56 57	1,046	29.0	840.0	14.0	<.002	41.0	2.0	.6	4.60	52
78RR150W	32 31 22	108 30 21	263	83.0	7.6	.2	.011	10.0	.2	<1.0	.80	35
78CR200W	32 28 54	108 44 24	--	28.0	9.6	.3	.018	2.0	--	<.5	2.60	29
78CR201W	32 24 49	108 44 44	--	29.0	13.0	.6	.015	3.0	--	<.5	2.00	26
78CR202W	32 24 3	108 41 26	--	17.0	10.0	<.1	.016	2.7	--	<.5	1.60	27
78SE200W	32 12 55	108 26 0	--	40.0	21.0	.2	.016	7.3	--	<.5	2.30	25
78SE202W	32 8 11	108 19 0	--	17.0	290.0	2.3	.200	3.4	--	<.5	3.50	34
78SE204W	32 9 12	108 22 59	--	24.0	30.0	.6	.030	3.7	--	<.5	2.50	30
78MR200W	32 10 15	108 33 15	--	51.0	31.0	3.6	.059	7.7	--	<.5	6.30	42
78MR201W	32 13 24	108 31 6	--	31.0	13.0	1.1	.026	6.0	--	<.5	2.20	26
78MR202W	32 12 39	108 37 17	--	22.0	10.0	.6	.026	9.1	--	<.5	4.70	41
78LU401W	32 29 35	109 42 18	--	83.0	23.0	1.1	.022	29.0	--	<1.0	.50	35
78DM200W	32 43 3	109 28 35	--	6.2	230.0	7.2	.400	.5	--	<.5	4.80	58
78TA200W	32 36 16	109 30 42	--	2.4	190.0	5.8	.330	.3	--	<.5	2.10	43
78TA201W	32 34 34	109 31 8	--	40.0	120.0	.5	.120	8.5	--	<.5	2.60	48
78LU403W	32 27 52	109 40 15	--	31.0	11.0	1.5	.065	7.1	--	<.5	1.20	49
78GI403W	32 36 44	109 43 40	--	31.0	5.0	1.0	.009	9.1	--	<1.0	.80	27
78AR401W	32 43 2	109 41 26	--	60.0	350.0	4.8	.420	14.0	--	<.5	3.10	34
78AR402W	32 41 18	109 40 57	--	100.0	270.0	3.6	.160	26.0	--	1.1	3.50	42
78AR403W	32 40 58	109 42 20	--	28.0	170.0	6.9	.280	1.9	--	<.5	2.00	37
78SA200W	32 45 12	109 38 30	--	26.0	300.0	1.2	.260	3.0	--	<.5	1.80	35
78AN200W	32 44 42	109 36 9	--	4.5	48.0	.7	.064	.5	--	<.5	.60	35
78AN201W	32 43 39	109 35 13	--	2.1	39.0	1.3	.018	.3	--	<.5	.40	57
78AN202W	32 42 55	109 34 18	--	6.4	83.0	.9	.044	.9	--	<.5	.70	40
79WX112W	32 23 53	109 57 21	102	24.0	8.9	1.2	.012	3.5	15.0	<.5	1.30	26

TABLE 3. WATER SAMPLE DATA, SILVER CITY QUADRANGLE.

Sample	SODIUM	STRONTIU	SULFATE	CH-BAL	pH	RADON	SP COND	TEMP	ALUMINUM	ARSENIC	BARIUM
78CB117W	18	.194	57.0	-.7	6.80	1,546	430	18.0	31	1.6	37
78CB131W	87	.253	89.0	-1.2	6.60	2,658	910	18.0	50	1.8	4
78CB133W	37	.447	54.0	1.4	6.80	3,409	630	17.0	77	1.4	14
78NR108W	26	.405	30.0	-.7	7.30	1,300	580	20.0	73	1.8	56
78GH120W	61	.378	140.0	-1.4	7.30	137	870	22.0	74	3.2	38
78GA102W	72	.682	19.0	.3	7.30	769	600	21.0	43	8.8	17
78GA110W	77	.709	30.0	5.6	7.20	10	820	23.0	75	12.0	37
78GA113W	140	.112	73.0	5.4	6.90	545	870	20.0	<31	62.0	2
78SI120W	120	.638	150.0	-4.2	7.30	--	930	17.0	56	12.0	28
78SI122W	68	.293	94.0	-3.2	7.40	760	620	19.0	40	2.8	23
78SI123W	630	3.776	2,500.0	-15.0	7.20	257	4,500	15.0	--	4.3	37
78CT116W	14	.487	37.0	-4.5	7.10	2,371	540	19.0	93	3.6	17
78CT117W	82	.633	130.0	-1.5	7.40	--	800	--	73	5.4	8
78CT119W	69	.342	83.0	-.2	7.40	690	650	19.0	59	4.2	35
78CT120W	75	.298	69.0	2.1	7.60	864	620	20.0	71	5.4	28
78CT122W	57	--	38.0	-.9	7.40	--	660	--	--	--	--
78CT123W	88	.562	130.0	-3.8	7.50	--	1,200	--	119	3.8	57
78GY101W	270	.417	240.0	-3.5	8.10	<5	1,500	21.0	73	5.9	4
78GY103W	250	.610	250.0	-.8	7.90	273	1,200	21.0	70	2.2	19
78ML108W	300	.043	140.0	1.7	8.80	61	1,200	19.0	54	64.0	10
78ML109W	1,700	1.705	2,000.0	-1.8	7.80	272	7,200	--	147	7.1	12
78RR150W	18	.653	70.0	-1.7	7.00	935	750	16.0	--	3.8	62
78CR200W	32	.513	13.0	--	8.10	--	--	--	<31	2.2	17
78CR201W	26	.477	17.0	--	8.00	--	--	--	<31	2.4	17
78CR202W	53	.246	22.0	--	8.00	--	--	--	<31	1.9	24
78SE200W	31	.370	23.0	--	7.70	--	--	--	<31	2.6	136
78SE202W	230	.221	120.0	--	8.40	--	--	--	996	25.0	16
78SE204W	90	.268	21.0	--	8.10	--	--	--	<31	3.5	43
78MR200W	77	.478	100.0	--	7.80	--	--	--	46	6.7	4
78MR201W	30	.357	6.0	--	8.00	--	--	--	36	3.3	338
78MR202W	64	.140	39.0	--	7.90	--	--	--	<31	9.1	11
78LU401W	73	.385	130.0	--	7.80	--	--	--	--	3.0	12
78DM200W	310	.026	270.0	--	8.80	--	--	--	<31	60.0	3
78TA200W	330	.003	290.0	--	9.00	--	--	--	<31	62.0	<1
78TA201W	210	.067	170.0	--	7.70	--	--	--	32	3.8	3
78LU403W	27	.147	10.0	--	7.00	--	--	--	--	<1.0	8
78GI408W	22	.167	25.0	--	6.90	--	--	--	65	<1.0	26
78AR401W	280	.340	440.0	--	7.60	--	--	--	143	2.8	6
78AR402W	190	.744	240.0	--	7.60	--	--	--	--	3.2	23
78AR403W	200	.353	160.0	--	8.30	--	--	--	39	3.0	36
78SA200W	270	.065	240.0	--	8.10	--	--	--	71	1.4	1
78AN200W	100	.008	27.0	--	8.80	--	--	--	<31	3.9	<1
78AN201W	130	.002	17.0	--	9.60	--	--	--	<31	10.0	<1
78AN202W	130	.014	48.0	--	8.90	--	--	--	<31	5.6	<1
79WX112W	24	.182	9.9	2.5	8.40	--	240	19.0	58	2.2	15

TABLE 3. WATER SAMPLE DATA, SILVER CITY QUADRANGLE.

Sample	BERYLLIU	BORON	CADMIUM	CERIUM	CHROMIUM	COBALT	COPPER	GERMANIU	IRON	LANTHANU	LEAD
78CB117W	<1	23	<10	<81	<14	<120	8.3	<154	51	1,368	<.1
78CB131W	<1	33	<10	<81	<14	<120	9.0	<154	33	<18	1.3
78CB133W	<1	36	<10	<81	<14	<120	3.0	<154	17	<18	4.5
78NR108W	<1	50	<10	<81	<14	<120	4.5	<154	130	<18	.5
78GH120W	<1	31	<10	<81	<14	<120	23.0	<154	4	<18	.8
78GA102W	<1	121	<10	<81	<14	<120	8.7	<154	43	<18	2.1
78GA110W	<1	117	<10	<81	<14	<120	2.1	<154	61	<18	1.1
78GA113W	<1	209	<10	<81	<14	<120	5.2	<154	22	<18	<.1
78SI120W	<1	79	<10	<81	<14	<120	7.5	<154	9	<18	.1
78SI122W	<1	51	<10	<81	<14	<120	4.9	<154	11	<18	.5
78SI123W	<1	181	11	111	19	223	22.0	<154	180	<18	1.3
78CT116W	<1	40	<10	<81	<14	<120	2.0	<154	130	<18	.9
78CT117W	<1	66	<10	<81	<14	<120	6.2	<154	2	<18	2.8
78CT119W	<1	55	<10	<81	<14	<120	5.7	<154	100	<18	.8
78CT120W	<1	69	<10	<81	<14	122	15.0	<154	63	<18	1.0
78CT122W	--	--	--	--	--	--	--	--	--	--	--
78CT123W	<1	46	<10	<81	<14	132	3.4	<154	4	21	1.1
78GY101W	<1	392	<10	<81	<14	140	20.0	<154	1,200	18	1.3
78GY103W	<1	500	<10	<81	<14	<120	7.4	<154	22	<18	2.2
78ML108W	<1	271	<10	<81	<14	143	13.0	<154	40	<18	1.1
78ML109W	<1	2,344	<10	<81	<14	215	47.0	<154	210	30	1.3
78RR150W	<1	10	<10	<81	<13	<107	12.0	<154	72	<18	1.4
78CR200W	<1	23	<10	<81	<14	<120	1.7	<154	44	<18	.7
78CR201W	<1	22	<10	<81	<14	<120	2.3	<154	64	<18	.3
78CR202W	<1	30	<10	<81	<14	<120	1.7	<154	84	<18	.7
78SE200W	<1	31	<10	<81	<14	<120	16.0	<154	31	<18	.6
78SE202W	<1	723	<10	<81	25	<120	7.1	<154	920	<18	3.0
78SE204W	<1	181	<10	<81	<14	<120	28.0	<154	75	<18	.5
78MR200W	<1	151	<10	<81	<14	<120	7.7	<154	16	52	.8
78MR201W	<1	28	<10	<81	<14	<120	6.7	<154	15	<18	.3
78MR202W	<1	78	<10	<81	<14	<120	6.0	<154	37	<18	1.0
78LU401W	<1	12	<10	<81	<14	<120	8.2	<154	14	<18	.6
78DM200W	<1	226	<10	<81	<14	<120	7.7	<154	150	<18	.3
78TA200W	<1	245	<10	<81	<14	<120	6.8	<154	61	<18	<1.0
78TA201W	<1	85	<10	<81	<14	<120	3.7	<154	190	<18	1.5
78LU403W	2	28	<10	<81	<14	<120	3.3	<154	55	<18	<1.0
78GI408W	<1	11	<10	<81	<14	<120	6.9	<154	160	<18	<1.0
78AR401W	<1	157	<10	<81	<14	<120	7.9	<154	22	<18	<1.0
78AR402W	<1	197	<10	<81	<14	<120	5.6	<154	45	<18	.6
78AR403W	<1	160	<10	<81	<14	<120	7.3	<154	30	<18	.5
78SA200W	<1	114	<10	<81	<14	<120	11.0	<154	16	<18	.4
78AN200W	<1	52	<10	<81	20	<120	5.6	<154	20	<18	.6
78AN201W	<1	77	<10	<81	<14	<120	1.6	<154	2	<18	.2
78AN202W	<1	78	<10	<81	<14	<120	11.0	<154	290	<18	1.0
79WX112W	<1	19	<10	<81	<14	<120	2.3	<154	4	<18	.6

TABLE 3. WATER SAMPLE DATA, SILVER CITY QUADRANGLE. --continued

Sample	LATITUDE	LONGITUD	ALKALINE	CALCIUM	CHLORIDE	FLUORIDE	LITHIUM	MAGNESIU	NITRATE	PHOSPHAT	POTASSIU	SILICA
79WX407W	32 27 7	109 49 0	284	38.0	17.0	.9	.093	12.0	1.0	<.5	4.60	50
79WX413W	32 26 5	109 49 17	200	38.0	26.0	.4	.050	11.0	4.6	<.5	2.90	38
79WX415W	32 24 46	109 45 51	195	32.0	11.0	.6	.024	5.0	11.0	<.5	3.20	30
79WX416W	32 26 20	109 44 47	260	26.0	12.0	.4	.092	5.1	.2	<.5	3.50	12
79WX421W	32 23 14	109 46 18	151	41.0	22.0	.4	.019	13.0	40.0	<.5	1.20	18
79WX422W	32 21 12	109 47 11	198	36.0	26.0	.6	.027	8.8	13.0	<.5	2.60	33
79MG850W	32 30 3	109 48 42	119	47.0	13.0	1.5	.027	18.0	8.2	<.5	.80	18
79CF301W	32 53 2	108 31 25	213	44.0	15.1	.4	.031	12.0	9.8	<.5	1.80	35
79CF303W	32 54 39	108 33 21	200	52.0	12.3	.4	.025	3.4	12.0	<.5	2.00	34
79CF304W	32 55 42	108 34 26	248	68.0	9.9	1.6	.068	7.5	16.0	<.5	1.40	48
79CF305W	32 58 12	108 31 24	225	58.0	7.9	.6	.012	11.0	.1	<.5	2.30	33
79CF306W	32 57 17	108 38 32	152	26.0	6.7	.5	.014	9.5	2.8	<.5	2.90	57
79CF307W	32 51 27	108 34 57	123	47.0	9.2	.4	.007	6.5	3.9	<.5	1.50	34
79CF308W	32 51 46	108 37 39	129	32.0	6.7	1.0	.007	4.7	1.7	<.5	1.80	56
79CF310W	32 53 59	108 43 53	159	26.0	2.7	.4	.010	9.2	1.2	<.5	2.30	66
79CF311W	32 48 34	108 41 46	411	4.2	11.0	.4	.280	2.4	4.3	<.5	.90	18
79CF313W	32 46 49	108 30 2	298	77.0	5.5	.3	.004	17.0	11.0	<.5	1.50	30
79CF316W	32 47 0	108 42 20	276	87.0	14.0	.2	.004	15.0	--	<.5	3.70	38
79CP102W	32 33 55	108 47 47	238	11.0	18.0	2.7	.100	1.3	.8	<.5	3.20	33
79CP104W	32 32 26	108 56 53	139	5.9	33.0	2.3	.035	.6	1.5	<.5	1.00	28
79CP105W	32 35 52	108 58 15	143	7.2	33.0	2.3	.032	1.0	2.7	<.5	1.00	32
79CP106W	32 39 39	108 54 20	300	24.0	18.0	1.1	.078	19.0	8.1	<.5	2.20	60
79CP108W	32 38 6	108 59 41	216	13.0	19.0	1.5	.044	2.8	3.1	<.5	1.70	35
79RR300W	32 38 48	108 43 48	167	27.0	9.2	.7	.029	12.0	19.0	<.5	2.80	24
79RR301W	32 37 28	108 37 36	240	41.0	12.0	.9	.053	12.0	5.7	<.5	2.90	28
79ST304W	32 57 52	108 58 29	216	49.0	3.1	.3	.003	12.0	1.3	<.5	.70	38
79ST307W	32 54 59	108 55 38	186	31.0	5.1	.4	.028	12.0	3.2	<.5	1.30	65
79ST309W	32 50 53	108 55 11	412	87.0	16.0	.7	.024	33.0	1.6	<.5	.80	39
79ST310W	32 48 24	108 59 2	269	130.0	29.0	.4	.045	49.0	--	<.5	1.40	38
79ST311W	32 51 57	108 57 53	398	170.0	39.0	1.2	.068	22.0	.2	<.5	3.30	19
79ST312W	32 50 12	108 56 54	429	95.0	15.0	.3	.029	17.0	5.5	<.5	.60	44
79ST316W	32 45 37	108 58 0	211	3.4	22.0	.9	.007	.3	9.8	<.5	.20	26
79ST317W	32 45 27	108 51 52	400	80.0	20.0	.5	.014	19.0	6.4	<1.0	.80	52
79ST318W	32 53 27	108 59 11	299	220.0	18.0	.4	.031	56.0	.4	<1.0	1.30	36
79YV500W	32 47 1	109 0 30	239	190.0	28.0	.4	.019	14.0	4.1	<1.0	1.40	37
79YV501W	32 50 42	109 8 7	295	140.0	9.8	.6	.040	25.0	9.0	<1.0	2.70	45
79YV502W	32 53 34	109 3 2	228	350.0	17.0	1.0	.025	53.0	--	<1.0	3.20	38
79YV503W	32 51 2	109 4 53	350	140.0	38.0	1.2	.052	31.0	11.0	<1.0	2.90	45
79YV504W	32 50 17	109 3 25	327	110.0	23.0	.7	.010	22.0	10.0	<1.0	2.10	35
79YV506W	32 46 50	109 4 49	243	49.0	13.0	1.0	.019	13.0	4.8	<.5	1.70	32
79YV507W	32 50 12	109 7 7	156	35.0	14.0	.6	.051	7.6	6.8	<.5	3.30	19
79YV508W	32 54 28	109 3 14	230	510.0	24.0	1.3	.150	110.0	--	1.6	4.70	47
79YV510W	32 55 8	109 4 26	379	170.0	59.0	.8	.074	50.0	130.0	2.3	2.40	41
79BP300W	32 32 10	108 23 30	172	50.0	9.2	.7	.009	10.0	5.8	<.5	.47	25
79BP301W	32 30 2	108 22 46	193	55.0	12.0	.5	.016	6.5	8.6	<.5	.76	24

TABLE 3. WATER SAMPLE DATA, SILVER CITY QUADRANGLE. --continued

Sample	SODIUM	STRONTIU	SULFATE	CH-BAL	pH	RADON	SP COND	TEMP	ALUMINUM	ARSENIC	BARIUM
79WX407W	47	.255	13.0	-3.8	8.70	--	700	--	62	9.6	7
79WX413W	27	.156	15.0	-3.9	8.10	--	570	25.0	57	3.4	1
79WX415W	35	.063	13.0	-2.6	8.00	--	480	--	49	5.5	2
79WX416W	60	.324	6.5	-3.7	7.80	--	610	--	32	3.7	13
79WX421W	23	.129	17.0	.7	7.70	--	580	--	64	4.0	1
79WX422W	38	.207	15.0	-.9	7.80	--	600	--	51	8.4	10
79MG850W	26	.221	140.0	-3.0	7.80	--	730	--	47	3.0	1
79CF301W	25	.595	8.3	.0	7.59	192	420	19.0	50	3.0	25
79CF303W	25	.396	12.0	-.9	7.45	--	400	18.5	55	<1.0	12
79CF304W	31	.447	40.0	-1.2	7.62	<5	500	21.0	59	1.4	17
79CF305W	19	.216	52.0	-2.8	7.54	--	460	--	35	2.6	10
79CF306W	15	.156	2.8	.3	7.97	--	280	22.0	<31	3.1	<1
79CF307W	17	.226	60.0	.4	6.74	712	380	16.0	43	1.0	38
79CF308W	12	.087	6.0	.6	6.95	--	250	19.0	<31	1.4	2
79CF310W	15	.112	3.6	-.3	8.16	<5	270	16.5	<31	2.0	<1
79CF311W	180	.355	57.0	.4	8.89	443	840	17.0	<31	1.8	124
79CF313W	17	.649	53.0	-2.3	7.44	318	560	17.0	--	<1.0	157
79CF316W	30	.501	120.0	-2.4	7.37	206	720	11.0	--	<1.0	42
79CP102W	100	.131	58.0	-6.0	7.97	--	580	21.0	<31	26.0	57
79CP104W	91	.041	53.0	-1.4	8.69	<5	480	26.0	<31	10.0	1
79CP105W	87	.061	50.0	-2.6	8.55	--	480	24.0	<31	15.0	3
79CP106W	66	.273	18.0	-2.4	8.14	130	540	25.0	<31	7.2	<1
79CP108W	89	.128	32.0	-1.0	8.19	608	480	21.0	<31	8.2	9
79RR300W	25	.566	5.5	1.1	7.76	<5	360	19.5	<31	<1.0	18
79RR301W	25	.345	5.4	-3.7	7.62	--	420	18.0	<31	<1.0	73
79ST304W	13	.316	40.0	-5.8	7.28	399	400	13.5	57	<1.0	55
79ST307W	18	.066	7.9	-1.7	7.60	--	310	13.0	<31	1.0	1
79ST309W	45	.734	110.0	-2.5	7.27	<5	870	17.0	--	<1.0	44
79ST310W	70	1.664	420.0	-1.4	7.61	1,243	1,000	19.0	--	1.0	22
79ST311W	55	1.361	290.0	-4.6	7.28	--	960	16.0	--	<1.0	19
79ST312W	39	.656	23.0	-.9	7.10	--	730	16.5	--	37.0	6
79ST316W	96	.024	22.0	-4.0	9.15	--	440	--	<31	6.1	<1
79ST317W	57	.556	46.0	-.7	7.20	<5	730	19.5	--	2.8	33
79ST318W	42	1.154	630.0	-2.7	6.85	214	1,300	17.5	--	1.0	12
79YV500W	79	1.408	500.0	-2.7	7.24	--	1,100	18.0	--	1.8	22
79YV501W	57	1.984	340.0	-2.3	7.23	--	960	19.0	--	<1.0	37
79YV502W	71	1.612	970.0	1.3	7.99	231	1,800	16.0	--	<1.0	13
79YV503W	76	1.414	300.0	-1.7	7.66	--	1,000	16.5	--	6.7	33
79YV504W	68	1.019	220.0	-1.7	7.79	95	990	16.5	--	1.6	71
79YV506W	50	.654	84.0	-3.8	7.80	60	570	14.5	63	<1.0	83
79YV507W	100	1.089	210.0	-5.3	7.29	--	750	17.0	36	<1.0	48
79YV508W	160	2.275	1,600.0	4.3	7.11	40	2,700	14.0	--	1.2	4
79YV510W	120	2.686	400.0	-1.3	8.08	--	1,500	--	--	8.5	39
79BP300W	19	.235	58.0	-2.7	7.37	1,711	440	16.5	40	<1.0	11
79BP301W	18	.152	11.0	2.4	7.84	--	380	18.5	39	<1.0	32

TABLE 3. WATER SAMPLE DATA, SILVER CITY QUADRANGLE. --continued

Sample	BERYLLIU	BORON	CADMIUM	CERIUM	CHROMIUM	COBALT	COPPER	GERMANIU	IRON	LANTHANU	LEAD
79WX407W	<1	33	<10	<81	<14	<120	30.0	<154	22	<18	.7
79WX413W	<1	39	<10	<81	<14	<120	5.6	<154	69	<18	.8
79WX415W	<1	58	<10	<81	<14	<120	6.4	<154	41	<18	.1
79WX416W	<1	23	<10	<81	<14	<120	4.1	<154	1,800	<18	<.1
79WX421W	<1	23	<10	<81	<14	<120	6.4	<154	840	<18	.6
79WX422W	<1	54	<10	<81	<14	<120	5.6	<154	30	<18	.1
79MG850W	<1	17	<10	<81	<14	<120	5.0	<154	18	<18	.2
79CF301W	<1	21	<10	<81	<14	<120	10.0	<154	30	<18	--
79CF303W	<1	11	<10	<81	<14	<120	7.3	<154	17	<18	--
79CF304W	<1	36	<10	<81	<14	<120	12.0	<154	8	<18	--
79CF305W	<1	8	<10	<81	<14	<120	2.7	<154	14	<18	--
79CF306W	<1	6	<10	<81	<14	<120	2.7	<154	2	<18	--
79CF307W	<1	9	<10	<81	<14	<120	3.5	<154	7	<18	--
79CF308W	<1	7	<10	<81	<14	<120	7.4	<154	44	<18	--
79CF310W	<1	<4	<10	<81	<14	<120	1.0	<154	9	<18	--
79CF311W	<1	65	<10	<81	<14	<120	8.2	<154	34	<18	--
79CF313W	<1	14	<10	<81	<14	<120	3.6	<154	23	<18	--
79CF316W	<1	8	<10	<81	<14	<120	11.0	<154	300	<18	--
79CP102W	<1	103	<10	<81	<14	<120	7.7	<154	310	<18	--
79CP104W	<1	100	<10	<81	<14	<120	4.0	<154	130	<18	--
79CP105W	<1	98	<10	<81	16	<120	3.3	<154	140	<18	--
79CP106W	<1	58	<10	<81	<14	<120	2.2	<154	150	<18	--
79CP108W	<1	121	<10	<81	<14	<120	6.6	<154	150	<18	--
79RR300W	<1	25	<10	<81	<14	<120	17.0	<154	18	<18	--
79RR301W	<1	24	<10	<81	<14	<120	1.0	<154	64	<18	--
79ST304W	<1	<4	<10	<81	<14	<120	1.4	<154	1,700	<18	--
79ST307W	<1	<4	<10	<81	<14	<120	22.0	<154	4	<18	--
79ST309W	<1	6	<10	<81	<14	<120	1.5	<154	3,800	18	--
79ST310W	<1	23	12	<81	<14	128	6.4	<154	140	34	--
79ST311W	<1	19	13	97	<14	173	2.7	<154	7,200	42	--
79ST312W	<1	8	<10	<81	<14	<120	20.0	<154	130	<18	--
79ST316W	<1	93	<10	<81	<14	<120	3.3	<154	18	<18	--
79ST317W	<1	19	<10	<81	<13	124	2.3	<154	3	<18	--
79ST318W	<1	14	12	<81	<13	183	4.7	<154	2,400	<18	--
79YV500W	<1	83	10	108	<13	177	10.0	165	120	<18	--
79YV501W	<1	26	15	<81	15	<107	18.0	<154	69	<18	--
79YV502W	<1	23	11	<81	<13	<107	4.0	<154	110	<18	--
79YV503W	<1	47	14	<81	17	<107	7.2	<154	4	<18	--
79YV504W	<1	27	10	<81	15	<107	41.0	<154	8	<18	--
79YV506W	<1	49	<10	<81	<14	<120	6.8	<154	41	<18	--
79YV507W	<1	49	21	<81	<14	<120	56.0	<154	210	<18	--
79YV508W	1	51	23	<81	<13	156	8.7	<154	6,700	<18	--
79YV510W	<1	28	16	<81	16	<107	15.0	<154	2	<18	--
79BP300W	<1	16	<10	<81	<14	<120	4.4	<154	19	<18	--
79BP301W	<1	14	<10	<81	<14	<120	3.4	<154	52	<18	--

TABLE 3. WATER SAMPLE DATA, SILVER CITY QUADRANGLE. --continued

Sample	MANGANES	MOLYBDEN	NIOBIUM	SELENIUM	SILVER	TITANIUM	URANIUM	VANADIUM	YTTRIUM	ZINC
79WX407W	1	1.1	<14	.6	<12	<7	7	<9	<3	130.0
79WX413W	47	10.0	<14	.9	<12	<7	<1	<9	<3	1,100.0
79WX415W	5	4.5	<14	.8	<12	<7	1	<9	<3	720.0
79WX416W	680	3.3	<14	.5	<12	<7	1	<9	<3	340.0
79WX421W	190	3.7	<14	1.1	<12	<7	<1	<9	<3	540.0
79WX422W	1	3.7	<14	1.0	<12	<7	1	18	<3	360.0
79MG850W	72	2.1	<14	1.0	<12	<7	2	<9	<3	500.0
79CF301W	2	.8	<14	--	<12	<7	2	9	<3	120.0
79CF303W	2	.6	<14	--	<12	<7	2	<9	<3	110.0
79CF304W	1	1.6	<14	--	<12	<7	3	<9	<3	74.0
79CF305W	1	2.3	<14	--	<12	<7	1	9	<3	17.0
79CF306W	<1	.6	<14	--	<12	<7	<1	19	<3	13.0
79CF307W	1	1.3	<14	--	<12	<7	<1	<9	<3	21.0
79CF308W	4	<.5	<14	--	<12	<7	<1	<9	<3	55.0
79CF310W	<1	.5	<14	--	<12	<7	<1	17	<3	60.0
79CF311W	1	.8	<14	--	<12	<7	4	<9	<3	10.0
79CF313W	5	1.3	<14	--	<12	<7	2	<9	<3	410.0
79CF316W	15	1.0	<14	--	<12	<7	<1	<9	<3	1,100.0
79CP102W	7	5.8	<14	--	<12	<7	3	<9	<3	17.0
79CP104W	2	2.3	<14	--	<12	<7	3	19	<3	12.0
79CP105W	3	1.4	<14	--	<12	<7	2	40	<3	19.0
79CP106W	4	2.3	<14	--	<12	<7	3	33	<3	92.0
79CP108W	4	3.2	<14	--	<12	<7	7	19	<3	60.0
79RR300W	2	2.1	<14	--	<12	<7	3	20	<3	170.0
79RR301W	2	2.1	<14	--	<12	<7	3	<9	<3	100.0
79ST304W	250	.7	<14	--	<12	<7	<1	<9	<3	84.0
79ST307W	1	.6	<14	--	<12	<7	<1	<9	<3	140.0
79ST309W	180	1.3	<14	--	<12	<7	<1	<9	<3	490.0
79ST310W	22	1.7	<14	--	16	<7	2	13	<3	35.0
79ST311W	110	41.0	17	--	20	<7	1	17	<3	56.0
79ST312W	13	.6	<14	--	<12	<7	<1	12	<3	200.0
79ST316W	2	.6	<14	--	<12	<7	<1	55	<3	7.2
79ST317W	1	.8	17	--	<15	<7	1	37	6	32.0
79ST318W	440	2.6	22	--	20	<7	<1	14	6	570.0
79YV500W	5	1.7	23	--	20	<7	4	22	8	190.0
79YV501W	21	2.5	<14	--	<15	<7	1	13	3	600.0
79YV502W	31	2.9	<14	--	<15	<7	<1	8	<3	120.0
79YV503W	1	6.2	16	--	<15	<7	1	23	5	25.0
79YV504W	3	1.7	<14	--	<15	<7	<1	22	3	120.0
79YV506W	10	1.9	<14	--	<12	<7	1	<9	<3	330.0
79YV507W	810	.8	<14	--	<12	<7	<1	<9	<3	5,900.0
79YV508W	690	2.1	20	--	<15	<7	<1	18	5	26.0
79YV510W	5	2.6	15	--	<15	<7	5	21	<3	6.9
79BP300W	2	2.7	<14	--	<12	<7	10	<9	<3	29.0
79BP301W	3	1.3	<14	--	<12	<7	2	<9	<3	78.0

TABLE 3. WATER SAMPLE DATA, SILVER CITY QUADRANGLE. --continued

Sample	LATITUDE	LONGITUD	ALKALINE	CALCIUM	CHLORIDE	FLUORIDE	LITHIUM	MAGNESIU	NITRATE	PHOSPHAT	POTASSIU	SILICA
79CR300W	32 24 33	108 23 18	218	51.0	26.0	1.9	.032	11.0	8.8	<.5	1.40	25
79CM350W	32 46 4	108 25 52	203	43.0	13.0	.5	.037	13.0	18.0	<.5	3.30	27
79CM354W	32 48 58	108 27 26	254	50.0	6.5	.6	.014	23.0	15.0	<.5	1.30	24
79CM355W	32 47 34	108 29 6	189	110.0	22.0	.5	.020	17.0	34.0	<.5	2.20	27
79CM356W	32 46 7	108 28 3	181	130.0	27.0	.4	.018	17.0	30.0	<.5	2.10	28
79FS101W	32 31 26	108 0 31	186	48.0	5.0	.2	.011	6.8	6.4	<.5	1.90	25
79HW300W	32 41 12	108 13 56	185	56.0	19.0	.3	.005	14.0	17.0	<.5	1.60	24
79HW302W	32 38 11	108 12 49	239	76.0	19.0	.3	.014	17.0	37.0	<.5	2.50	25
79SC350W	32 45 12	108 22 15	222	37.0	11.0	.5	.041	15.0	5.8	<.5	1.80	24
79SH100W	32 21 16	108 21 47	312	58.0	7.2	1.3	.018	17.0	8.2	<.5	.57	40
79SH101W	32 19 36	108 18 26	270	51.0	6.8	.9	.009	9.2	7.2	<.5	2.70	58
79SH103W	32 16 17	108 20 10	267	19.0	32.0	.7	.027	4.5	6.8	<.5	1.10	30
79SR350W	32 50 46	108 3 14	305	140.0	82.0	.6	.022	25.0	220.0	<.5	2.10	24
79SR351W	32 48 49	108 3 19	481	140.0	43.0	.4	.010	20.0	8.4	<.5	.92	12
79TY101W	32 42 18	108 16 58	188	76.0	23.0	.4	.015	20.0	130.0	<.5	1.30	25
79WH110W	32 24 2	108 20 29	288	60.0	12.0	.9	.010	16.0	.5	<.5	7.00	55
79WM101W	32 43 58	108 26 30	173	120.0	14.0	.4	.014	14.0	14.0	<1.0	1.60	29
79WM102W	32 40 51	108 23 16	152	86.0	12.0	.5	.014	8.0	7.9	<1.0	1.70	33
79WS300W	32 33 32	108 21 57	249	120.0	58.0	.9	.010	29.0	19.0	<1.0	.72	26
79WS301W	32 32 35	108 22 16	242	150.0	40.0	.7	.025	37.0	.5	<1.0	2.80	16
79WS302W	32 30 36	108 19 53	243	74.0	17.0	.8	.008	14.0	6.8	<.5	1.30	32
79WS303W	32 31 53	108 21 34	221	70.0	13.0	.6	.004	13.0	2.5	<.5	.74	35
79WW101W	32 34 53	108 8 11	135	39.0	9.1	.3	.009	11.0	2.4	<.5	1.60	25
79WW102W	32 33 45	108 13 12	175	45.0	7.7	1.2	.020	5.6	3.3	<.5	2.20	36
79BR103W	32 5 48	108 23 59	280	27.0	22.0	2.3	.098	6.9	9.7	<1.0	6.40	36
79BR104W	32 7 22	108 29 6	335	47.0	36.0	1.1	.140	12.0	4.5	<1.0	8.50	45
79CS100W	32 23 15	108 10 19	287	68.0	19.0	.5	.022	9.8	20.0	<1.0	2.30	39
79CY100W	32 2 41	108 32 58	313	12.0	19.0	1.4	.088	3.8	6.1	<1.0	1.00	45
79CY101W	32 3 56	108 34 29	313	10.0	26.0	2.1	.130	1.7	13.0	<1.0	1.10	28
79CY104W	32 6 21	108 35 6	299	150.0	130.0	.4	.023	52.0	270.0	<.5	1.70	27
79GA115W	32 12 30	108 4 35	204	46.0	10.0	.4	.021	5.7	4.2	<1.0	2.50	33
79GA117W	32 8 14	108 3 20	191	31.0	11.0	.8	.036	6.7	3.1	<1.0	2.30	30
79GA122W	32 12 22	108 13 39	201	9.0	16.0	.9	.044	.4	3.4	<1.0	1.60	29
79GA124W	32 10 39	108 5 33	413	50.0	78.0	2.3	.077	56.0	19.0	<1.0	4.20	14
79GE100W	32 16 24	108 6 25	231	42.0	40.0	1.6	.050	11.0	3.4	<1.0	2.10	29
79GE101W	32 15 10	108 5 25	192	35.0	9.4	.4	.032	9.6	9.5	<1.0	1.60	35
79LO100W	32 22 21	108 40 9	158	14.0	11.0	1.2	.020	2.6	4.4	<1.0	1.20	25
79LO102W	32 16 17	108 44 21	271	210.0	120.0	1.6	.055	110.0	200.0	<.5	4.30	28
79LO104W	32 19 33	108 44 17	274	170.0	73.0	1.3	.038	50.0	70.0	<.5	3.10	31
79PP100W	32 14 55	108 44 34	219	140.0	160.0	.5	.062	190.0	3.2	<1.0	3.90	24
79SE100W	32 12 6	108 18 35	158	27.0	33.0	.1	.020	6.8	.3	<1.0	1.90	15
79SE101W	32 12 39	108 19 55	135	26.0	37.0	.3	.018	2.2	3.2	<1.0	2.00	26
79SE102W	32 9 37	108 27 41	132	42.0	19.0	.3	.021	5.0	12.0	<1.0	2.30	29
79SE103W	32 11 21	108 28 21	165	26.0	11.0	.5	.030	3.1	1.6	<1.0	2.30	24
79SE105W	32 11 45	108 16 58	274	19.0	26.0	1.4	.061	3.6	.3	<1.0	2.30	23

TABLE 3. WATER SAMPLE DATA, SILVER CITY QUADRANGLE. --continued

Sample	SODIUM	STRONTIU	SULFATE	CH-BAL	pH	RADON	SP COND	TEMP	ALUMINUM	ARSENIC	BARIUM
79CB300W	37	.263	28.0	-.1	7.62	1,430	510	18.5	40	<1.0	82
79CM350W	21	.201	8.9	.8	7.77	421	410	18.5	<31	1.4	3
79CM354W	14	.249	8.1	2.4	7.72	<5	460	19.0	49	<1.0	24
79CM355W	27	.682	210.0	-1.4	7.38	618	840	19.5	--	<1.0	49
79CM356W	30	.722	260.0	-2.3	7.32	171	960	16.0	--	<1.0	89
79FS101W	10	.229	11.0	-1.0	7.71	--	340	10.5	41	<1.0	5
79HW300W	13	.283	35.0	-.1	7.55	--	450	16.5	77	<1.0	8
79HW302W	19	.518	53.0	-.3	7.27	--	610	19.0	63	2.3	12
79SC350W	24	.082	5.6	.1	7.81	192	400	19.0	<31	2.8	2
79SH100W	36	.452	21.0	-.3	7.35	--	560	18.0	54	2.0	122
79SH101W	47	.219	44.0	-2.3	7.42	--	540	22.0	38	2.9	22
79SH103W	100	.178	29.0	-2.7	8.54	--	600	19.0	<31	10.0	7
79SR350W	34	4.092	12.0	-.7	7.42	--	1,000	--	--	<1.0	345
79SR351W	21	.613	290.0	-2.8	6.83	102	1,200	17.0	--	<1.0	62
79TY101W	18	.407	15.0	1.2	7.46	--	640	18.0	71	<1.0	14
79WH110W	43	.171	72.0	-2.2	7.25	828	630	15.5	54	2.7	21
79WM101W	21	.587	240.0	1.9	7.34	--	840	17.0	--	<1.0	71
79WM102W	18	.386	140.0	-.2	7.47	42	600	18.0	--	1.2	55
79WS300W	47	.497	230.0	-1.8	7.16	5,083	970	16.5	--	<1.0	6
79WS301W	44	.699	380.0	-2.9	7.76	23,562	1,100	16.5	--	<1.0	10
79WS302W	28	.331	72.0	-.4	7.87	1,430	600	19.0	59	<1.0	35
79WS303W	27	.318	91.0	-1.4	7.19	1,879	580	17.5	59	<1.0	16
79WW101W	23	.316	65.0	.6	7.85	<5	400	19.5	38	4.6	19
79WW102W	20	.432	21.0	.2	7.82	444	370	20.0	56	1.5	<1
79BR103W	120	.493	120.0	-3.5	7.71	--	810	19.0	48	40.0	3
79BR104W	150	.693	200.0	-4.7	7.71	437	1,000	16.5	77	5.5	25
79CS100W	44	.527	40.0	-2.0	7.20	159	620	19.0	84	2.0	29
79CY100W	120	.055	45.0	-7.3	8.34	386	630	20.0	<36	5.4	3
79CY101W	160	.211	89.0	-4.1	8.20	--	830	21.5	<36	18.0	27
79CY104W	71	3.295	70.0	1.5	7.34	--	1,420	--	--	1.2	60
79GA115W	28	.397	20.0	-1.2	7.58	--	400	--	75	1.6	187
79GA117W	32	.493	14.0	-3.5	7.86	61	360	19.0	42	5.9	87
79GA122W	89	.061	45.0	-4.3	8.31	275	480	25.5	<36	32.0	3
79GA124W	86	1.112	120.0	-1.7	7.68	352	1,200	17.5	68	5.7	65
79GE100W	100	1.262	150.0	-3.6	7.47	--	850	22.0	55	1.2	23
79GE101W	33	.810	35.0	-3.3	7.85	--	410	23.5	61	1.0	108
79LO100W	54	.175	17.0	-1.4	8.33	--	340	30.0	<36	1.7	12
79LO102W	88	3.913	680.0	-3.7	7.48	138	2,000	17.0	266	1.2	14
79LO104W	88	1.599	450.0	-1.3	7.22	198	1,500	19.5	253	1.4	20
79PP100W	88	2.469	680.0	7.7	7.21	95	2,100	17.0	108	<1.0	17
79SE100W	50	.250	25.0	-2.1	8.02	68	420	15.0	<36	<1.0	19
79SE101W	49	.199	24.0	-1.9	8.08	--	400	19.0	<36	3.9	15
79SE102W	21	.372	17.0	3.3	7.77	248	370	19.0	<36	1.6	55
79SE103W	41	.327	19.0	-.1	7.82	--	350	17.0	<36	1.0	57
79SE105W	140	.280	87.0	1.2	7.97	124	800	22.0	<36	1.8	35

TABLE 3. WATER SAMPLE DATA, SILVER CITY QUADRANGLE. --continued

Sample	BERYLLIU	BORON	CADMIUM	CERIUM	CHROMIUM	COBALT	COPPER	GERMANIU	IRON	LANTHANU	LEAD
79CB300W	<1	29	<10	<81	<14	<120	8.4	<154	51	<18	--
79CM350W	<1	21	<10	<81	<14	<120	2.3	<154	3	<18	--
79CM354W	<1	17	<10	<81	<14	<120	12.0	<154	34	<18	--
79CM355W	<1	22	<10	<81	<14	<120	5.8	<154	11	<18	--
79CM356W	<1	25	<10	<81	<14	<120	8.1	<154	87	<18	--
79FS101W	<1	13	<10	<81	<14	<120	11.0	<154	14	<18	--
79HW300W	<1	13	<10	<81	<14	<120	3.5	<154	56	<18	--
79HW302W	<1	17	<10	<81	<14	<120	7.8	<154	930	<18	--
79SC350W	<1	14	<10	<81	<14	<120	2.0	<154	1	<18	--
79SH100W	<1	26	<10	<81	<14	<120	15.0	<154	16	<18	--
79SH101W	<1	35	<10	<81	<14	<120	3.0	<154	1	<18	--
79SH103W	<1	118	<10	<81	<14	<120	6.4	<154	140	<18	--
79SR350W	<1	18	<10	<81	<14	<120	3.5	<154	4	19	--
79SR351W	<1	17	<10	<81	<14	<120	33.0	<154	4	<18	--
79TY101W	<1	16	<10	<81	<14	<120	3.8	<154	20	<18	--
79WH110W	<1	34	<10	<81	<14	<120	17.0	<154	31	<18	--
79WM101W	<1	20	<10	<81	<13	<107	5.5	<154	110	<18	--
79WM102W	<1	19	<10	<81	<13	160	5.8	<154	23	<18	--
79WS300W	<1	23	<10	<81	<13	<107	3.8	<154	33	<18	--
79WS301W	<1	<6	<10	<81	<13	<107	3.2	<154	5,500	<18	--
79WS302W	<1	22	<10	<81	<14	<120	3.4	<154	2	<18	--
79WS303W	<1	20	<10	<81	<14	<120	5.8	<154	24	<18	--
79WW101W	<1	16	<10	<81	<14	<120	2.7	<154	20	<18	--
79WW102W	<1	19	<10	<81	<14	<120	12.0	<154	13	<18	--
79BR103W	<1	192	<10	<81	<13	<107	5.8	<154	7	<18	--
79BR104W	<1	257	<10	<81	<13	<107	50.0	<154	36	<18	--
79CS100W	<1	39	<10	<81	<13	<107	11.0	<154	37	<18	--
79CY100W	<1	103	<10	<81	<13	<107	4.3	<154	140	<18	--
79CY101W	<1	224	<10	<81	<13	<107	6.4	<154	8	<18	--
79CY104W	<1	112	<10	<81	<13	<107	5.2	<154	180	20	--
79GA115W	<1	22	<10	<81	<13	<107	4.1	<154	3	<18	--
79GA117W	<1	24	<10	<81	<13	<107	2.2	<154	16	<18	--
79GA122W	<1	121	<10	<81	<13	<107	3.8	<154	7	<18	--
79GA124W	<1	227	<10	<81	<13	<107	6.3	<154	82	<18	--
79GE100W	<1	314	<10	<81	<13	<107	6.1	<154	130	<18	--
79GE101W	<1	46	<10	<81	<13	<107	8.5	<154	46	<18	--
79LO100W	<1	18	<10	<81	<13	<107	1.7	<154	13	<18	--
79LO102W	<1	120	<10	<81	<13	<107	3.9	<154	120	39	--
79LO104W	<1	110	<10	<81	<13	<120	20.0	<154	130	26	--
79PP100W	<1	66	<10	<81	<13	<107	8.4	<154	180	<18	--
79SE100W	<1	21	<10	<81	<13	<107	2.6	<154	710	<18	--
79SE101W	<1	15	<10	<81	<13	<107	11.0	<154	53	<18	--
79SE102W	<1	<6	<10	<81	<13	<107	14.0	<154	27	<18	--
79SE103W	<1	25	<10	<81	<13	<107	6.5	<154	650	<18	--
79SE105W	<1	346	<10	<81	<13	<107	6.4	<154	130	<18	--

TABLE 3. WATER SAMPLE DATA, SILVER CITY QUADRANGLE. --continued

Sample	MANGANES	MOLYBDEN	NIOBIUM	SELENIUM	SILVER	TITANIUM	URANIUM	VANADIUM	YTTRIUM	ZINC
79CB300W	3	3.4	<14	--	<12	<7	6	<9	<3	91.0
79CM350W	2	2.0	<14	--	<12	<7	1	10	<3	44.0
79CM354W	2	2.8	<14	--	<12	<7	1	<9	<3	60.0
79CM355W	14	5.9	<14	--	<12	<7	4	<9	<3	240.0
79CM356W	3	10.0	<14	--	<12	<7	5	<9	<3	49.0
79FS101W	15	.9	<14	--	<12	<7	<1	<9	<3	2,770.0
79HW300W	9	1.6	<14	--	<12	<7	<1	<9	<3	79.0
79HW302W	43	2.7	<14	--	<12	<7	1	<9	<3	930.0
79SC350W	1	.8	<14	--	<12	<7	1	11	<3	11.0
79SH100W	1	3.2	<14	--	<12	<7	4	21	<3	17.0
79SH101W	1	4.2	<14	--	<12	<7	2	16	<3	300.0
79SH103W	3	1.8	<14	--	<12	<7	26	52	<3	18.0
79SR350W	79	6.5	<14	--	<12	<7	7	<9	<3	560.0
79SR351W	1	1.4	<14	--	<12	<7	<1	<9	<3	43.0
79TY101W	9	1.9	<14	--	<12	<7	1	<9	<3	520.0
79WH110W	3	2.9	<14	--	<12	<7	5	<9	<3	13.0
79WM101W	4	12.0	<14	--	<15	<7	6	<8	<3	130.0
79WM102W	1	20.0	<14	--	<15	<7	1	10	<3	38.0
79WS300W	27	5.9	<14	--	<15	<7	42	<8	<3	330.0
79WS301W	450	3.2	<14	--	<15	<7	8	<8	<3	74.0
79WS302W	1	4.8	<14	--	<12	<7	11	<9	<3	5.4
79WS303W	2	2.2	<14	--	<12	<7	9	<9	<3	64.0
79WW101W	3	2.2	<14	--	<12	<7	<1	18	<3	12.0
79WW102W	2	6.9	<14	--	<12	<7	2	<9	<3	110.0
79BR103W	1	1.8	<14	--	<15	<7	13	36	<3	53.0
79BR104W	4	<.5	<14	--	<15	<7	24	18	<3	690.0
79CS100W	5	4.0	<14	--	<15	<7	5	<8	<3	2,700.0
79CY100W	1	1.8	<14	--	<15	<7	6	15	<3	200.0
79CY101W	2	1.2	<14	--	<15	<7	17	20	<3	22.0
79CY104W	21	1.4	<14	--	<12	<7	2	17	<3	810.0
79GA115W	2	1.2	<14	--	<15	<7	2	<8	<3	150.0
79GA117W	2	3.7	<14	--	<15	<7	2	15	<3	23.0
79GA122W	<1	1.2	<14	--	<15	<7	4	36	<3	34.0
79GA124W	6	4.2	<14	--	<15	<7	<1	<8	<3	250.0
79GE100W	19	2.8	<14	--	<15	<7	2	<8	<3	150.0
79GE101W	8	2.1	<14	--	<15	<7	3	<8	<3	95.0
79LO100W	1	4.0	<14	--	<15	<7	7	<8	<3	43.0
79LO102W	15	3.6	<14	--	<12	<7	2	<9	<3	1,300.0
79LO104W	17	11.0	<14	--	<12	<7	9	<9	<3	1,200.0
79PP100W	140	19.0	<14	--	<15	<7	12	<8	<3	550.0
79SE100W	59	2.7	<14	--	<15	<7	<1	<8	<3	120.0
79SE101W	2	.8	<14	--	<15	<7	2	10	<3	270.0
79SE102W	1	.6	<14	--	<15	<7	2	<8	<3	32.0
79SE103W	19	.8	<14	--	<15	<7	2	<8	<3	97.0
79SE105W	4	2.4	<14	--	<15	<7	3	<8	<3	87.0

TABLE 3. WATER SAMPLE DATA, SILVER CITY QUADRANGLE. --continued

Sample	LATITUDE	LONGITUD	ALKALINE	CALCIUM	CHLORIDE	FLUORIDE	LITHIUM	MAGNESIU	NITRATE	PHOSPHAT	POTASSIU	SILICA
79SF100W	32 12 48	108 45 18	279	54.0	18.0	.8	.053	5.6	32.0	<1.0	1.60	53
79SF101W	32 12 8	108 48 17	284	19.0	22.0	1.0	.066	1.9	9.8	<1.0	1.40	30
79SF102W	32 9 6	108 46 38	353	120.0	40.0	.6	.033	23.0	38.0	<.5	2.10	39
79SF103W	32 8 44	108 47 35	234	28.0	16.0	.3	.028	6.9	9.6	<1.0	1.70	28
79SP101W	32 5 26	108 44 42	364	130.0	92.0	.6	.027	31.0	77.0	<.5	.90	53
79TE103W	32 2 24	108 22 4	130	36.0	25.0	.5	.046	4.1	49.0	<1.0	2.30	34
79TT100W	32 6 35	108 45 17	327	120.0	61.0	.7	.024	28.0	54.0	<.5	2.10	38
79B0100W	32 29 2	109 20 49	720	2.3	100.0	13.0	.055	.3	--	<1.0	1.50	81
79B0101W	32 29 56	109 21 53	188	10.0	1,300.0	23.0	.260	2.5	--	<1.0	8.20	52
79B0103W	32 25 45	109 19 39	37	360.0	230.0	2.5	1.200	71.0	--	.9	15.00	11
79B0105W	32 25 20	109 20 31	175	7.0	28.0	3.8	.140	.8	1.7	<1.0	6.30	38
79B0108W	32 19 47	109 16 20	355	27.0	22.0	5.2	.063	8.3	1.1	<1.0	1.70	60
79B0109W	32 24 50	109 15 31	133	12.0	30.0	2.8	.089	1.5	--	<1.0	5.30	10
79B0110W	32 16 46	109 20 19	155	39.0	43.0	4.2	.110	11.0	4.3	<1.0	4.90	47
79B0112W	32 15 16	109 27 55	125	39.0	57.0	.3	.061	4.9	3.0	<1.0	3.30	29
79DU150W	32 34 24	109 2 22	214	4.4	8.8	1.5	.023	1.1	24.0	<1.0	.60	38
79DU152W	32 32 55	109 4 17	273	8.5	97.0	4.8	.060	1.8	1.2	<1.0	3.40	85
79DU153W	32 42 9	109 13 30	185	21.0	26.0	2.7	.079	3.4	6.9	<1.0	4.80	47
79GU300W	32 46 28	109 15 1	262	57.0	23.0	.3	.018	27.0	21.0	<1.0	.60	68
79GU301W	32 47 25	109 16 56	327	110.0	69.0	1.1	.041	29.0	7.1	<.5	2.80	67
79GU302W	32 52 12	109 23 4	329	92.0	19.0	.4	.024	26.0	23.0	<1.0	3.60	74
79GU303W	32 51 5	109 17 41	339	92.0	10.0	.4	.016	34.0	35.0	<1.0	1.20	69
79JP110W	32 31 24	109 25 33	193	7.7	190.0	10.0	.470	.6	--	<1.0	2.70	55
79ML112W	32 19 26	108 58 28	200	37.0	24.0	1.2	.063	6.7	2.2	<1.0	2.00	44
79NM100W	32 25 16	108 49 29	103	6.3	14.0	1.2	.028	.8	4.2	<1.0	.70	28
79SS150W	32 28 16	109 4 28	221	37.0	13.0	.9	.026	15.0	12.0	<1.0	2.80	74
79SS152W	32 22 36	109 7 48	179	23.0	12.0	.7	.033	4.3	4.7	<1.0	1.90	53
79SS153W	32 22 27	109 10 11	307	50.0	20.0	.4	.034	5.1	.6	<1.0	1.50	47
79SS155W	32 15 33	109 11 7	319	410.0	440.0	3.1	.630	44.0	66.0	<1.0	12.00	55
79WN300W	32 39 7	109 19 58	206	6.1	180.0	3.1	.290	10.0	5.7	<1.0	12.00	61
79WN301W	32 43 22	109 21 56	97	9.7	170.0	1.2	.200	8.2	3.4	<1.0	8.30	39
79WC106W	32 30 2	109 20 24	265	3.0	52.0	19.0	.220	.3	--	<1.0	1.60	67
79VA110W	32 13 14	109 8 54	155	48.0	6.0	.7	.053	4.7	1.9	<1.0	2.10	34
79VA111W	32 13 15	109 8 56	346	640.0	710.0	4.2	1.200	92.0	100.0	--	22.00	51
79VA112W	32 11 17	109 6 24	137	24.0	5.5	3.1	.061	2.3	1.6	<1.0	2.00	32
79VA113W	32 12 24	109 6 25	126	21.0	3.1	4.1	.068	1.8	1.9	<1.0	1.80	33
79VA114W	32 2 13	109 2 23	180	43.0	6.8	2.3	.057	2.4	1.4	<1.0	2.10	36
79VA115W	32 0 57	109 4 0	117	56.0	36.0	.2	.027	4.5	20.0	<1.0	1.40	29
79VA116W	32 0 23	109 10 31	192	110.0	7.6	2.7	.012	13.0	4.0	<1.0	1.10	23
79VA117W	32 7 8	109 9 27	100	53.0	7.4	.4	.015	9.4	.9	<1.0	1.10	32
79VA118W	32 12 10	109 13 19	148	14.0	16.0	5.9	.040	1.4	.8	<1.0	2.40	76
79SU100W	32 23 20	108 56 3	146	41.0	390.0	2.7	.110	12.0	3.1	<1.0	2.20	44
79SU101W	32 28 21	108 54 48	107	27.0	130.0	1.1	.054	4.4	1.3	<1.0	2.20	26
79CD150W	32 7 38	109 17 43	261	120.0	7.4	3.1	.008	19.0	1.8	<1.0	.75	24
79CD152W	32 14 9	109 29 29	66	20.0	19.0	.4	.011	11.0	2.1	<1.0	1.70	27

TABLE 3. WATER SAMPLE DATA, SILVER CITY QUADRANGLE. --continued

Sample	SODIUM	STRONTIU	SULFATE	CH-BAL	pH	RADON	SP COND	TEMP	ALUMINUM	ARSENIC	BARIUM
79SF100W	68	.500	26.0	-.1	7.47	--	660	19.0	<36	3.5	15
79SF101W	110	.124	50.0	-5.6	8.15	86	640	18.0	<36	7.9	<1
79SF102W	68	.716	220.0	-5.1	7.30	--	1,200	19.0	87	1.1	36
79SF103W	56	.331	55.0	7.1	8.12	--	480	17.0	<36	1.0	33
79SP101W	53	1.147	83.0	6.8	7.11	--	1,200	16.5	96	<1.0	54
79TE103W	57	.117	22.0	6.0	8.08	405	510	19.5	120	5.7	6
79TT100W	71	1.012	120.0	.1	6.96	20	1,200	18.5	89	1.0	83
79B0100W	430	.004	310.0	-7.1	9.34	--	1,800	28.5	<36	180.0	2
79B0101W	2,000	.081	1,800.0	6.4	8.39	--	7,500	26.5	<36	13.0	8
79B0103W	1,500	3.535	4,100.0	-2.0	8.47	173	7,100	25.0	221	3.0	14
79B0105W	100	.033	100.0	-7.9	8.54	--	600	28.5	<31	15.0	3
79B0108W	140	.661	120.0	-6.3	--	--	--	--	<31	11.0	19
79B0109W	81	.088	64.0	-1.6	8.36	--	510	34.0	<31	1.8	1
79B0110W	120	1.061	200.0	.3	8.00	--	1,000	26.5	49	4.7	46
79B0112W	76	.553	83.0	2.7	7.65	--	660	24.5	<36	<1.0	24
79DU150W	91	.033	10.0	-1.7	7.67	--	450	26.0	<31	12.0	3
79DU152W	290	.101	260.0	.5	7.78	--	1,300	23.0	<31	38.0	6
79DU153W	86	.256	63.0	-1.4	7.70	--	580	27.0	<31	7.5	2
79GU300W	41	.450	64.0	-1.9	7.47	943	710	20.0	56	1.0	2
79GU301W	56	.916	160.0	-2.2	7.35	<5	110	16.0	87	1.8	43
79GU302W	26	.145	60.0	2.6	6.93	1,096	830	22.0	80	<1.0	<1
79GU303W	26	.301	42.0	7.9	7.22	208	850	18.5	77	<1.0	7
79JP110W	360	.044	300.0	2.1	8.46	568	1,600	40.0	<31	10.0	8
79ML112W	58	.261	33.0	2.5	7.32	765	540	23.5	37	9.1	3
79NH100W	64	.064	27.0	6.8	8.49	889	350	21.5	58	10.0	4
79SS150W	33	.120	9.6	2.1	7.67	--	460	25.5	52	4.1	2
79SS152W	49	.040	16.0	-.5	7.25	<5	390	24.0	<31	2.0	2
79SS153W	74	.444	18.0	1.1	7.70	--	640	35.5	42	1.2	69
79SS155W	690	2.827	1,800.0	-.5	7.02	--	4,600	26.0	231	2.4	29
79WN300W	320	.507	340.0	-1.0	7.87	181	1,600	22.5	54	2.7	<1
79WN301W	260	.364	300.0	-1.0	7.87	703	1,400	29.5	56	2.9	3
79WC106W	260	.004	190.0	2.9	9.11	--	1,000	--	<31	27.0	1
79VA110W	30	.759	58.0	1.8	7.72	--	360	25.5	52	3.5	46
79VA111W	930	--	3,400.0	-9.9	7.12	--	5,900	21.0	--	2.0	--
79VA112W	40	.610	32.0	-1.2	7.93	--	300	26.0	38	5.7	35
79VA113W	47	.372	30.0	4.1	8.03	--	320	27.5	49	8.1	39
79VA114W	38	.374	34.0	.8	7.80	73	340	24.0	71	4.1	6
79VA115W	17	.502	37.0	-1.1	7.75	--	390	21.5	100	1.5	46
79VA116W	15	.746	180.0	-1.4	7.51	--	650	26.0	128	1.1	28
79VA117W	17	.475	140.0	-7.0	8.62	--	400	21.5	66	1.5	26
79VA118W	72	.605	61.0	-5.7	8.21	--	400	24.0	<36	25.0	47
79SU100W	520	.575	730.0	-5.7	8.00	--	2,400	21.0	66	2.0	21
79SU101W	150	.238	130.0	1.0	8.29	206	900	16.0	<36	4.8	7
79CD150W	18	.943	170.0	-.1	7.30	184	830	19.0	--	<1.0	44
79CD152W	29	.299	100.0	3.0	6.68	242	440	15.5	--	<1.0	64

TABLE 3. WATER SAMPLE DATA, SILVER CITY QUADRANGLE. --continued

Sample	BERYLLIU	BORON	CADMIUM	CERIUM	CHROMIUM	COBALT	COPPER	GERMANIU	IRON	LANTHANU	LEAD
79SF100W	<1	36	<10	<81	<13	<107	2.9	<154	60	<18	--
79SF101W	<1	65	<10	<81	<13	<107	14.0	<154	37	<18	--
79SF102W	<1	46	<10	<81	<13	<107	2.8	<154	410	<18	--
79SF103W	<1	30	<10	<81	<13	<107	17.0	<154	63	<18	--
79SP101W	<1	58	<10	<81	<13	<107	19.0	<154	81	<18	--
79TE103W	<1	28	<10	<81	<13	<107	1.2	<154	160	<18	--
79TT100W	<1	38	<10	<81	<13	<107	8.1	<154	38	<18	--
79B0100W	<1	676	<10	<81	<14	<120	12.0	<154	8	<18	--
79B0101W	<1	1,756	<10	<81	<14	<120	40.0	<154	51	<18	--
79B0103W	<1	1,914	14	<81	<14	<120	32.0	<154	41	57	--
79B0105W	<1	65	<10	<81	<14	<120	5.1	<154	6	<18	--
79B0108W	<1	99	<10	<81	<14	<120	21.0	<154	250	<18	--
79B0109W	<1	36	<10	<81	<14	<120	6.1	<154	74	<18	--
79B0110W	<1	687	<10	<81	<14	<120	6.5	<154	94	<18	--
79B0112W	<1	17	<10	<81	<14	<120	3.6	<154	41	<18	--
79DU150W	<1	82	<10	<81	<14	<120	3.0	<154	67	<18	--
79DU152W	<1	471	<10	<81	<14	<120	8.6	<154	84	<18	--
79DU153W	<1	50	<10	<81	<14	<120	4.0	<154	910	<18	--
79GU300W	<1	24	<10	<81	<13	<107	15.0	<154	32	<18	--
79GU301W	<1	58	<10	<81	<14	<120	6.0	<154	16	<18	--
79GU302W	<1	24	<10	<81	<14	<120	3.6	<154	670	<18	--
79GU303W	<1	21	<10	<81	<14	<107	12.0	<154	27	<18	--
79JP110W	<1	202	<10	<81	<14	<120	13.0	<154	7	<18	--
79ML112W	<1	89	<10	<81	<14	<120	2.0	<154	56	<18	--
79NH100W	<1	55	<10	<81	<14	<120	1.9	<154	9	<18	--
79SS150W	<1	25	<10	<81	<14	<120	7.6	<154	140	<18	--
79SS152W	<1	19	<10	<81	<14	<120	49.0	<154	43	<18	--
79SS153W	<1	56	<10	<81	<14	<120	17.0	<154	19	<18	--
79SS155W	<1	287	16	<81	<14	<120	28.0	<154	16	52	--
79WN300W	<1	288	<10	<81	<14	<120	12.0	<154	11	<18	--
79WN301W	<1	123	<10	<81	<14	<120	5.7	<154	4	<18	--
79WC106W	<1	198	<10	<81	<14	<120	5.3	<154	4	<18	--
79VA110W	<1	9	<10	<81	<14	<120	48.0	<154	15	<18	--
79VA111W	--	--	--	--	--	--	29.0	--	33	--	--
79VA112W	<1	21	<10	<81	<13	<107	3.0	<154	4	<18	--
79VA113W	<1	21	<10	<81	<13	<107	2.8	<154	3	<18	--
79VA114W	<1	20	<10	<81	<13	<107	2.9	<154	8	<18	--
79VA115W	<1	<6	<10	<81	<13	<107	3.7	<154	4	<18	--
79VA116W	<1	10	12	<81	<13	<107	9.6	<154	510	<18	--
79VA117W	<1	10	<10	<81	<13	<107	3.9	<154	9	<18	--
79VA118W	<1	91	<10	<81	<13	<107	3.7	<154	71	<18	--
79SU100W	<1	396	<10	<81	<13	<107	29.0	<154	48	<18	--
79SU101W	<1	89	<10	<81	15	<107	6.2	<154	39	<18	--
79CD150W	<1	7	12	<81	<13	<107	6.6	<154	250	<18	--
79CD152W	<1	10	<10	<81	<13	<107	1.5	<154	420	<18	--

TABLE 3. WATER SAMPLE DATA, SILVER CITY QUADRANGLE. --continued

Sample	MANGANES	MOLYBDEN	NIOBIUM	SELENIUM	SILVER	TITANIUM	URANIUM	VANADIUM	YTTRIUM	ZINC
79SF100W	8	1.9	<14	--	<15	<7	3	<8	<3	320.0
79SF101W	3	1.6	<14	--	<15	<7	4	11	<3	400.0
79SF102W	13	5.0	<14	--	<12	<7	2	<9	<3	360.0
79SF103W	4	2.2	<14	--	<15	<7	1	<8	<3	360.0
79SP101W	6	1.4	<14	--	<12	<7	2	<9	<3	500.0
79TE103W	5	1.0	<14	--	<15	<7	6	<8	<3	91.0
79TT100W	2	2.2	<14	--	<12	<7	4	<9	<3	22.0
79B0100W	2	1.1	<14	--	<12	<7	1	<8	<3	3.2
79B0101W	36	5.7	<14	--	<12	<7	5	<8	<3	22.0
79B0103W	160	5.4	<14	--	<12	<7	<1	<8	<3	490.0
79B0105W	1	.9	<14	--	<12	<7	2	19	<3	1.8
79B0108W	5	1.3	<14	--	<12	<7	4	15	<3	74.0
79B0109W	26	1.4	<14	--	<12	<7	<1	<8	<3	56.0
79B0110W	23	1.1	<14	--	<12	<7	1	<8	<3	21.0
79B0112W	5	.5	<14	--	<12	<7	1	<8	<3	440.0
79DU150W	1	.6	<14	--	<12	<7	3	19	<3	30.0
79DU152W	2	10.0	<14	--	<12	<7	6	58	<3	200.0
79DU153W	13	1.0	<14	--	<12	<7	2	<8	<3	94.0
79GU300W	1	.6	<14	--	<15	<7	1	14	<3	680.0
79GU301W	2	1.1	<14	--	<12	<7	2	10	<3	79.0
79GU302W	21	.8	<14	--	<12	<7	2	<8	<3	670.0
79GU303W	13	.7	<14	--	<12	<7	1	<8	<3	990.0
79JP110W	4	7.3	<14	--	<12	<7	<1	35	<3	3.9
79ML112W	2	2.4	<14	--	<12	<7	4	9	<3	220.0
79NH100W	<1	2.4	<14	--	<12	<7	4	10	<3	14.0
79SS150W	5	1.4	<14	--	<12	<7	<1	29	<3	160.0
79SS152W	7	.7	<14	--	<12	<7	<1	10	<3	330.0
79SS153W	30	.8	<14	--	<12	<7	5	<8	<3	570.0
79SS155W	3	5.0	<14	--	<12	<7	8	9	4	2,100.0
79WN300W	2	44.0	<14	--	<12	<7	3	24	<3	44.0
79WN301W	2	4.0	<14	--	<12	<7	1	<8	<3	200.0
79WC106W	1	5.0	<14	--	<12	<7	1	57	<3	2.6
79VA110W	2	1.8	<14	--	<12	<7	2	8	<3	190.0
79VA111W	6	18.0	--	--	--	--	5	--	--	28.0
79VA112W	<1	1.9	<14	--	<15	<7	3	<8	<3	2.1
79VA113W	<1	2.0	<14	--	<15	<7	2	10	<3	3.0
79VA114W	<1	1.3	<14	--	<15	<7	4	<8	<3	19.0
79VA115W	1	.6	<14	--	<15	<7	1	<8	<3	34.0
79VA116W	54	3.4	<14	--	<15	<7	2	<8	5	510.0
79VA117W	1	2.9	<14	--	<15	<7	1	<8	4	4.1
79VA118W	5	4.2	<14	--	<15	<7	2	<8	<3	11.0
79SU100W	24	70.0	<14	--	<15	<7	7	<8	<3	710.0
79SU101W	3	.7	<14	--	<15	<7	1	9	<3	73.0
79CD150W	10	1.6	<14	--	<15	<7	1	<8	5	470.0
79CD152W	46	.6	<14	--	<15	<7	<1	<8	4	130.0

TABLE 3. WATER SAMPLE DATA, SILVER CITY QUADRANGLE. --continued

Sample	LATITUDE	LONGITUD	ALKALINE	CALCIUM	CHLORIDE	FLUORIDE	LITHIUM	MAGNESIU	NITRATE	PHOSPHAT	POTASSIU	SILICA
79CD153W	32 12 30	109 26 3	235	64.0	26.0	1.4	.018	11.0	1.7	<1.0	2.70	35
79CO150W	32 14 12	109 57 48	148	28.0	22.0	3.7	.120	4.2	2.1	<1.0	4.90	44
79CO151W	32 10 47	109 57 8	210	18.0	150.0	6.4	.120	4.8	1.4	<1.0	2.40	34
79CO152W	32 8 5	109 55 10	189	110.0	280.0	.8	.081	53.0	14.0	<1.0	3.80	26
79CO153W	32 5 56	109 57 42	192	42.0	21.0	1.1	.029	27.0	18.0	<1.0	2.40	31
79CO155W	32 4 57	109 54 24	202	88.0	57.0	.6	.036	38.0	25.0	<1.0	2.60	30
79CO156W	32 0 18	109 52 3	145	47.0	27.0	2.8	.023	10.0	4.6	<1.0	1.60	32
79CO157W	32 1 43	109 52 4	163	51.0	18.0	1.0	.067	15.0	4.1	<1.0	2.60	28
79CO158W	32 0 28	109 45 44	127	32.0	16.0	3.2	.063	2.9	3.7	<1.0	1.90	36
79CO159W	32 3 51	109 48 40	81	56.0	34.0	3.4	.078	3.5	6.5	<1.0	1.70	33
79CO160W	32 7 24	109 46 14	225	49.0	41.0	.8	.030	11.0	6.9	<1.0	2.80	42
79CO161W	32 10 54	109 45 26	351	54.0	190.0	1.0	.056	23.0	3.9	<1.0	2.30	32
79CO162W	32 6 29	109 45 20	146	85.0	97.0	1.5	.022	17.0	54.0	<1.0	2.90	35
79CO163W	32 12 59	109 52 33	447	40.0	47.0	7.5	.083	3.5	5.0	<1.0	3.50	63
79CO164W	32 14 18	109 46 30	207	150.0	650.0	1.5	.130	53.0	11.0	<1.0	3.10	40
79DC150W	32 6 36	109 40 12	180	46.0	17.0	1.0	.018	7.3	3.6	<1.0	2.00	27
79DC151W	32 3 57	109 41 39	110	42.0	24.0	.5	.015	4.0	16.0	<1.0	1.60	29
79DC152W	32 3 2	109 44 42	97	47.0	12.0	.9	.036	3.4	2.0	<1.0	2.20	28
79DC153W	32 2 9	109 39 9	73	74.0	15.0	2.3	.053	3.9	2.0	<1.0	4.00	30
79DC155W	32 13 0	109 43 19	269	440.0	470.0	.3	.052	130.0	80.0	1.3	2.60	33
79LU125W	32 23 30	109 43 1	193	37.0	9.7	.5	.044	4.1	3.8	<1.0	1.80	43
79LU126W	32 15 12	109 44 18	368	14.0	250.0	5.1	.210	1.8	1.2	<1.0	1.70	24
79LU127W	32 19 28	109 44 48	540	66.0	120.0	3.8	.045	22.0	.5	<1.0	.50	21
79LU128W	32 18 57	109 40 47	191	78.0	88.0	.7	.020	18.0	28.0	<1.0	1.20	26
79LU129W	32 17 21	109 38 18	132	50.0	16.0	.9	.011	12.0	--	<1.0	1.60	25
79LU130W	32 17 48	109 34 33	298	92.0	34.0	2.3	.042	22.0	2.9	<1.0	2.60	32
79LU131W	32 21 18	109 33 45	201	49.0	19.0	.9	.018	11.0	9.7	<1.0	.90	32
79MG300W	32 35 16	109 58 53	68	32.0	3.5	.4	.009	6.3	22.0	<1.0	.90	25
79SA300W	32 58 18	109 37 46	267	48.0	11.0	.4	.039	23.0	7.2	<1.0	3.40	77
79SA301W	32 57 59	109 38 29	398	90.0	19.0	.3	.014	34.0	--	<1.0	4.60	72
79SA302W	32 54 25	109 35 31	323	180.0	130.0	.2	.016	46.0	130.0	1.3	2.40	40
79SA303W	32 45 12	109 42 15	108	37.0	950.0	9.9	2.100	4.3	--	<1.0	4.50	18
79SA304W	32 45 22	109 43 30	45	66.0	1,200.0	8.6	2.400	2.8	--	<1.0	4.90	19
79TH105W	32 49 54	109 50 4	34	300.0	4,000.0	7.4	3.600	26.0	--	1.3	11.00	13
79TH106W	32 50 47	109 54 6	134	5.9	22.0	1.0	.120	.6	--	<1.0	2.70	15
79TH109W	32 56 9	109 59 10	547	2.4	87.0	7.3	.125	.4	--	<1.0	.40	19
79TH112W	32 47 35	109 46 0	45	240.0	4,500.0	5.2	3.900	20.0	--	1.4	14.00	19
79WX115W	32 16 59	109 53 33	175	26.0	14.0	.6	.024	3.8	.8	<1.0	1.00	66
79WX116W	32 20 21	109 55 32	86	23.0	28.0	.6	.023	2.3	10.0	<1.0	1.10	45
79WX117W	32 20 39	109 59 23	111	19.0	6.2	.4	.018	3.4	1.9	<1.0	1.80	36
79WX118W	32 18 57	109 56 37	119	27.0	22.0	1.9	.031	3.9	5.3	<1.0	2.30	55
79WX119W	32 15 10	109 55 5	155	4.6	8.6	5.4	.036	.5	1.8	<1.0	1.60	45
79WX120W	32 18 51	109 47 41	196	59.0	39.0	3.3	.042	15.0	25.0	<1.0	1.70	32
79WX121W	32 28 46	109 58 42	73	14.0	2.6	.3	.012	3.2	2.9	<1.0	.90	30
79RR805W	32 37 24	108 34 57	256	60.0	18.0	1.6	.031	12.0	8.3	<.5	2.00	25

TABLE 3. WATER SAMPLE DATA, SILVER CITY QUADRANGLE. --continued

Sample	SODIUM	STRONTIU	SULFATE	CH-BAL	pH	RADON	SP COND	TEMP	ALUMINUM	ARSENIC	BARIUM
79CD153W	46	.361	56.0	2.7	7.39	--	610	23.0	--	<1.0	45
79C0150W	68	.205	74.0	.3	7.76	--	510	28.0	--	10.0	<1
79C0151W	250	.245	140.0	5.7	8.08	--	1,200	22.0	--	33.0	35
79C0152W	110	2.347	170.0	.1	7.30	--	1,400	21.0	--	8.8	47
79C0153W	31	1.241	60.0	3.4	7.69	--	560	23.5	--	1.4	61
79C0155W	54	1.427	200.0	2.1	7.51	--	1,100	22.0	--	1.8	49
79C0156W	24	.263	40.0	.9	7.79	--	430	22.0	--	<1.0	44
79C0157W	47	1.218	110.0	2.3	7.73	--	600	20.5	--	<1.0	105
79C0158W	53	.179	50.0	4.9	7.94	--	420	23.0	--	5.0	13
79C0159W	48	.771	110.0	3.0	7.79	--	560	22.0	--	5.2	32
79C0160W	57	.655	32.0	2.4	7.49	--	590	18.0	--	5.0	162
79C0161W	150	.847	83.0	-7.6	7.22	--	1,400	18.0	--	2.5	141
79C0162W	55	.985	93.0	.5	7.51	--	900	18.0	--	2.2	173
79C0163W	180	.251	98.0	-3.8	7.63	72	1,100	16.0	--	40.0	25
79C0164W	370	2.871	230.0	2.9	7.31	--	2,700	18.0	--	3.6	62
79DC150W	27	.276	19.0	3.8	7.67	--	400	26.0	--	<1.0	36
79DC151W	20	.242	12.0	5.8	7.71	--	340	24.0	--	1.8	21
79DC152W	40	.314	88.0	6.8	7.78	--	450	23.0	--	1.9	15
79DC153W	39	.961	170.0	4.7	7.70	--	660	27.0	--	1.0	9
79DC155W	130	2.408	710.0	6.9	6.87	51	3,100	20.5	--	<1.0	26
79LU125W	40	.296	7.1	4.0	7.40	<5	380	17.5	--	8.7	5
79LU126W	410	.222	200.0	3.1	8.14	490	1,500	20.0	--	1.6	15
79LU127W	270	.380	190.0	1.4	7.13	25	1,400	17.0	--	<1.0	42
79LU128W	53	.384	69.0	1.3	7.28	150	810	21.0	--	<1.0	37
79LU129W	32	.271	83.0	5.8	7.12	18,809	510	12.5	--	<1.0	35
79LU130W	79	.398	190.0	.0	6.94	--	1,000	16.5	--	<1.0	42
79LU131W	43	.282	43.0	2.7	7.52	--	530	--	--	<1.0	44
79MG300W	10	.146	34.0	5.6	7.11	360	280	18.0	--	<1.0	50
79SA300W	41	.209	54.0	1.7	7.08	37	610	19.0	--	1.5	7
79SA301W	50	.616	120.0	.2	7.28	--	940	18.0	--	2.6	33
79SA302W	77	1.500	250.0	-.9	6.87	221	1,700	23.0	--	2.1	38
79SA303W	1,100	2.414	610.0	-5.2	8.57	323	4,200	37.0	--	13.0	29
79SA304W	1,000	2.395	610.0	1.0	8.42	<5	4,600	40.0	--	14.0	29
79TH105W	2,700	2.457	1,600.0	-4.7	7.95	317	14,000	27.5	--	7.1	15
79TH106W	66	.112	15.0	1.8	9.15	156	360	20.0	--	3.9	21
79TH109W	370	.052	122.0	5.5	7.27	--	1,400	22.0	--	270.0	15
79TH112W	2,900	2.466	1,200.0	-4.7	7.96	--	15,000	37.5	--	53.0	36
79WX115W	46	.142	6.5	2.6	7.37	--	350	19.5	--	4.6	7
79WX116W	33	.109	14.0	-.5	8.35	--	280	21.0	--	2.8	5
79WX117W	22	.084	2.4	3.4	8.02	361	220	23.5	--	1.4	5
79WX118W	39	.141	18.0	4.8	7.81	--	350	23.5	--	5.7	11
79WX119W	68	.019	12.0	-1.1	8.66	--	330	22.0	--	36.0	<1
79WX120W	53	.528	79.0	.2	7.46	--	690	--	--	2.2	86
79WX121W	12	.070	2.2	4.4	7.87	660	150	--	--	<1.0	31
79RR805W	30	1.014	24.0	-.9	7.45	--	500	25.0	49	<1.0	18

TABLE 3. WATER SAMPLE DATA, SILVER CITY QUADRANGLE. --continued

Sample	BERYLLIU	BORON	CADMIUM	CERIUM	CHROMIUM	COBALT	COPPER	GERMANIU	IRON	LANTHANU	LEAD
79CD153W	<1	22	<10	<81	<13	<107	9.3	<154	49	<18	--
79C0150W	<1	50	<10	<81	<13	<107	2.0	<154	150	<18	--
79C0151W	<1	119	<10	<81	<13	<107	4.4	<154	54	<18	--
79C0152W	<1	49	12	<81	<13	<107	.8	<154	22	<18	--
79C0153W	<1	47	<10	<81	<13	<107	2.2	<154	4	<18	--
79C0155W	<1	24	13	<81	<13	116	3.4	<154	6	<18	--
79C0156W	<1	17	<10	<81	<13	<107	<.5	<154	23	<18	--
79C0157W	<1	25	<10	<81	<13	<107	1.0	<154	11	<18	--
79C0158W	<1	117	<10	<81	<13	<107	1.3	<154	6	<18	--
79C0159W	<1	48	<10	<81	<13	<107	1.0	<154	5	<18	--
79C0160W	<1	42	<10	<81	<13	<107	2.0	<154	3	<18	--
79C0161W	<1	247	<10	<81	<13	<107	.6	<154	20	<18	--
79C0162W	<1	32	<10	<81	<13	<107	.5	<154	3	<18	--
79C0163W	<1	123	<10	<81	<13	<107	14.0	<154	12	<18	--
79C0164W	<1	106	13	<81	<13	<107	6.8	<154	18	<18	--
79DC150W	<1	20	<10	<81	<13	<107	3.0	<154	5	<18	--
79DC151W	<1	13	<10	<81	<13	<107	<.5	<154	4	<18	--
79DC152W	<1	63	<10	<81	<13	<107	.7	<154	2	<18	--
79DC153W	<1	301	12	<81	<13	<107	3.6	<154	28	<18	--
79DC155W	<1	33	13	<81	<13	<107	5.2	<154	100	<18	--
79LU125W	<1	26	<10	<81	<13	<107	<.5	<154	3	<18	--
79LU126W	<1	249	<10	<81	<13	<107	5.3	<154	49	<18	--
79LU127W	<1	170	<10	<81	<13	<107	43.0	<154	4,000	<18	--
79LU128W	<1	32	<10	<81	<13	<107	1.4	<154	25	<18	--
79LU129W	<1	12	<10	<81	<13	<107	30.0	<154	1,400	<18	--
79LU130W	<1	25	<10	<81	<13	<107	12.0	<154	12	<18	--
79LU131W	<1	19	<10	<81	<13	<107	3.0	<154	10	<18	--
79MG300W	<1	6	<10	<81	<13	<107	1.0	<154	24	<18	--
79SA300W	<1	24	<10	<81	<13	<107	25.0	<154	59	<18	--
79SA301W	<1	30	<10	<81	<13	<107	.6	<154	9	<18	--
79SA302W	<1	42	<10	<81	<13	<107	7.3	<154	450	<18	--
79SA303W	<1	1,107	<10	<81	<13	<107	30.0	<154	12	<18	--
79SA304W	<1	729	<10	<81	<13	<107	24.0	<154	36	20	--
79TH105W	<1	1,223	11	81	<13	128	26.0	<154	81	27	--
79TH106W	<1	70	<10	<81	<13	<107	<.5	<154	2	<18	--
79TH109W	<1	981	<10	<81	<13	<107	5.1	<154	39	<18	--
79TH112W	<1	1,192	10	95	<13	130	25.0	<154	43	33	--
79WX115W	<1	27	<10	<81	<13	<107	2.2	<154	16	<18	--
79WX116W	<1	19	<10	<81	21	<107	<.5	<154	5	<18	--
79WX117W	<1	14	<10	<81	<13	<107	1.3	<154	790	<18	--
79WX118W	<1	44	<10	<81	<13	<107	<.5	<154	5	<18	--
79WX119W	<1	47	<10	<81	<13	<107	<.5	<154	18	<18	--
79WX120W	<1	50	<10	<81	<13	<107	.5	<154	4	<18	--
79WX121W	<1	8	<10	<81	<13	<107	<.5	<154	6	<18	--
79RR805W	<1	23	<10	<81	<14	<120	6.0	<154	510	<18	--

TABLE 3. WATER SAMPLE DATA, SILVER CITY QUADRANGLE. --continued

Sample	MANGANES	MOLYBDEN	NIOBIUM	SELENIUM	SILVER	TITANIUM	URANIUM	VANADIUM	YTTRIUM	ZINC
79CD153W	7	2.6	<14	--	<15	<7	3	<8	<3	210.0
79CD150W	4	2.2	<14	--	<15	<7	<1	11	<3	220.0
79CD151W	3	11.0	<14	--	<15	<7	1	33	<3	24.0
79CD152W	4	2.4	<14	--	<15	<7	1	15	<3	100.0
79CD153W	1	5.4	<14	--	<15	<7	2	12	<3	210.0
79CD155W	4	3.9	<14	--	<15	<7	2	15	6	240.0
79CD156W	2	2.5	<14	--	<15	<7	1	<8	<3	52.0
79CD157W	41	1.7	<14	--	<15	<7	3	<8	<3	590.0
79CD158W	1	2.1	<14	--	<15	<7	2	<8	<3	72.0
79CD159W	1	.8	<14	--	<15	<7	2	<8	<3	7.9
79CD160W	1	1.6	<14	--	<15	<7	2	13	<3	36.0
79CD161W	4	8.7	<14	--	<15	<7	4	<8	<3	60.0
79CD162W	1	.9	<14	--	<15	<7	1	<8	<3	2.9
79CD163W	1	32.0	<14	--	<15	<7	78	10	<3	26.0
79CD164W	2	7.1	<14	--	<15	<7	2	18	<3	83.0
79DC150W	2	1.8	<14	--	<15	<7	3	<8	<3	590.0
79DC151W	1	.8	<14	--	<15	<7	2	<8	<3	80.0
79DC152W	<1	1.1	<14	--	<15	<7	3	<8	<3	2.6
79DC153W	4	2.3	<14	--	<15	<7	2	<8	<3	140.0
79DC155W	130	3.5	<14	--	<15	<7	<1	<8	<3	140.0
79LU125W	1	1.2	<14	--	<15	<7	2	<8	<3	100.0
79LU126W	3	4.5	<14	--	<15	<7	36	<8	<3	6.1
79LU127W	62	7.0	<14	--	<15	<7	3	10	3	280.0
79LU128W	6	1.6	<14	--	<15	<7	2	10	3	270.0
79LU129W	29	.8	<14	--	<15	<7	2	<8	<3	1,100.0
79LU130W	10	3.4	<14	--	<15	<7	9	8	3	290.0
79LU131W	<1	2.3	<14	--	<15	<7	5	<8	<3	140.0
79MG300W	5	.7	<14	--	<15	<7	<1	<8	<3	840.0
79SA300W	4	.8	<14	--	<15	<7	2	16	<3	67.0
79SA301W	68	1.3	<14	--	<15	<7	1	13	<3	24.0
79SA302W	7	1.9	<14	--	<15	<7	<1	11	<3	140.0
79SA303W	22	78.0	<14	--	<15	<7	<1	<8	<3	5.8
79SA304W	18	56.0	<14	--	<15	<7	<1	<8	<3	5.2
79TH105W	100	170.0	<14	--	<15	<7	<1	<8	5	16.0
79TH106W	<1	1.3	<14	--	<15	<7	4	44	<3	2.1
79TH109W	3	7.2	<14	--	<15	<7	6	<8	<3	59.0
79TH112W	66	160.0	<14	--	<15	<7	<1	<8	6	13.0
79WX115W	7	.6	<14	--	<15	<7	<1	17	<3	160.0
79WX116W	1	1.3	<14	--	<15	<7	<1	23	<3	3.3
79WX117W	10	.6	<14	--	<15	<7	<1	8	<3	130.0
79WX118W	1	2.5	<14	--	<15	<7	1	29	<3	22.0
79WX119W	1	2.7	<14	--	<15	<7	1	20	<3	15.0
79WX120W	3	2.7	<14	--	<15	<7	2	<8	<3	1,700.0
79WX121W	1	<.5	<14	--	<15	<7	<1	11	<3	79.0
79RR805W	5	4.0	<14	--	<12	<7	6	<9	<3	290.0

TABLE 3. WATER SAMPLE DATA, SILVER CITY QUADRANGLE. --continued

Sample	LATITUDE	LONGITUD	ALKALINE	CALCIUM	CHLORIDE	FLUORIDE	LITHIUM	MAGNESIU	NITRATE	PHOSPHAT	POTASSIU	SILICA
79RR806W	32 37 27	108 37 34	172	29.0	11.0	2.2	.057	12.0	4.6	<.5	2.90	25
79RR809W	32 41 6	108 37 1	312	64.0	36.0	1.1	.049	19.0	24.0	<.5	2.40	27
79RR810W	32 41 24	108 38 24	314	34.0	29.0	1.4	.064	12.0	--	<.5	1.30	18
79RR812W	32 40 18	108 38 53	306	76.0	7.9	.8	.016	20.0	16.0	<.5	2.00	24
79CD800W	32 6 12	109 25 27	288	96.0	14.0	.4	.015	14.0	5.7	1.6	1.40	36
79CD806W	32 6 3	109 28 50	167	62.0	15.0	.4	.015	9.9	2.8	<.5	1.50	32
79DC400W	32 1 45	109 30 47	117	35.0	3.2	.8	.007	2.7	.8	<.5	1.10	29
79DC401W	32 4 20	109 31 5	158	40.0	6.5	1.2	.019	7.0	6.5	<.5	2.00	32
79DC402W	32 8 56	109 30 6	245	59.0	33.0	2.1	.017	13.0	7.7	<.5	2.00	30
79DC403W	32 3 15	109 32 0	77	30.0	14.0	.8	.005	2.2	2.3	<1.0	1.00	25
79DC404W	32 6 44	109 31 15	184	56.0	30.3	.9	.011	8.7	7.5	<.5	2.10	31
79DC405W	32 11 8	109 38 38	342	108.0	65.0	.8	.034	34.0	64.0	<1.0	1.60	24
79DC406W	32 8 48	109 33 6	410	94.0	56.0	2.0	.029	16.0	7.2	1.1	.50	30
79DC408W	32 9 47	109 32 9	205	39.0	20.0	2.1	.021	11.0	60.0	<.5	5.20	20
79GI816W	32 30 50	109 41 32	255	95.0	18.0	3.1	.028	16.0	--	1.2	1.60	39
79MG001W	32 33 48	109 54 35	198	42.0	12.0	1.0	.024	11.0	2.9	<.5	1.50	36
79MG002W	32 31 38	109 51 35	354	79.0	36.0	1.6	.041	31.0	--	1.1	1.00	27
79MG003W	32 31 57	109 50 41	291	97.0	42.0	1.4	.042	41.0	6.8	1.2	.80	26
79WX429W	32 23 36	109 54 19	84	13.0	4.6	.8	.027	1.0	2.7	<.5	.10	36
79WX430W	32 28 12	109 55 6	103	24.0	5.3	.5	.014	5.0	2.7	<.5	.80	28
80SC360W	32 50 5	108 16 30	339	87.0	21.0	.2	.063	24.0	<.1	<.5	1.50	16
80SC361W	32 49 10	108 18 23	278	130.0	42.0	.5	.160	32.0	<.1	<.5	2.00	17
80SR352W	32 50 6	108 6 59	315	130.0	58.0	1.2	.015	40.0	.5	<.5	.60	20
80TS300W	32 55 31	108 12 45	110	10.0	8.0	.1	.003	4.9	.6	<.5	1.10	30
78GI407S	32 35 24	109 42 42	--	20.0	3.7	.1	.003	4.3	--	1.8	4.20	25
79LU411S	32 28 42	109 44 47	199	120.0	17.0	.6	.043	24.0	--	<.5	2.90	33
79MG860S	32 31 9	109 45 27	145	54.0	22.0	.4	.034	44.0	.2	<.5	.90	28
79CF302S	32 51 6	108 30 57	270	53.0	8.5	.7	.026	5.6	2.8	<.5	8.50	41
79CF314S	32 45 45	108 40 17	114	30.0	5.1	.4	.002	5.8	8.6	<.5	4.20	10
79CF315S	32 46 21	108 39 51	278	120.0	8.6	2.1	.036	24.0	.8	<.5	1.80	32
79YV505S	32 49 42	109 2 46	324	430.0	38.0	1.6	.032	120.0	--	1.9	3.30	40
79CD154S	32 10 16	109 26 43	297	83.0	23.0	1.1	.012	13.0	2.3	<1.0	1.50	25
79MG301S	32 35 30	109 50 57	259	63.0	8.7	2.1	.014	16.0	2.0	<1.0	1.80	19
79TH103S	32 56 20	109 48 16	198	59.0	610.0	3.9	.890	22.0	5.0	1.1	14.00	56
79TH104S	32 58 31	109 52 38	185	49.0	7.9	.4	.026	16.0	12.0	<1.0	1.90	70
79TH107S	32 51 6	109 56 16	402	37.0	29.0	2.0	.460	6.1	.7	<1.0	10.00	36
79TH110S	32 59 57	109 53 57	98	1.6	1,200.0	2.8	1.200	.2	--	<1.0	12.00	40
79TH111S	32 59 57	109 53 56	96	85.0	1,300.0	3.1	1.400	7.8	--	<1.0	11.00	40
79MG879S	32 34 5	109 45 38	253	70.0	22.0	1.2	.013	22.0	--	<1.0	1.10	29
78GA101T	32 3 19	108 8 50	288	20.0	19.0	.7	.057	5.5	22.0	<.5	8.00	36
78GA103T	32 1 25	108 12 54	190	44.0	48.0	.9	.033	6.2	40.0	<.5	5.80	44
78SI121T	32 9 6	108 55 46	134	27.0	6.9	3.0	.130	5.4	6.0	<.5	3.40	31
78CT115T	32 7 13	108 55 23	168	34.0	8.4	3.4	.130	6.0	4.0	<.5	3.20	40
78CT118T	32 0 56	108 54 59	189	32.0	5.0	3.5	.130	2.1	2.2	<.5	2.20	42
78CT121T	32 1 1	108 50 51	173	34.0	5.5	.4	.029	3.9	4.2	<.5	2.20	34

TABLE 3. WATER SAMPLE DATA, SILVER CITY QUADRANGLE. --continued

Sample	SODIUM	STRONTIU	SULFATE	CH-BAL	pH	RADON	SP COND	TEMP	ALUMINUM	ARSENIC	BARIUM
79RR806W	26	.333	3.8	3.5	7.44	--	350	20.0	42	<1.0	69
79RR809W	88	2.588	87.0	1.2	7.24	--	900	21.0	87	<1.0	159
79RR810W	110	.565	78.0	.4	8.01	--	840	24.0	32	<1.0	25
79RR812W	44	.612	52.0	5.9	7.76	--	710	23.0	63	<1.0	164
79CD800W	20	.277	72.0	1.2	7.10	--	660	19.5	--	2.3	25
79CD806W	15	.277	53.0	3.1	7.66	--	425	21.0	42	1.1	7
79DC400W	12	.106	12.0	3.8	7.69	--	245	19.0	<31	<1.0	6
79DC401W	24	.393	18.0	4.4	7.62	185	355	22.0	<31	1.5	12
79DC402W	40	.371	27.0	.4	7.78	--	580	25.5	37	<1.0	21
79DC403W	12	.085	13.0	4.9	7.69	--	224	25.0	--	1.4	12
79DC404W	25	.346	26.0	.8	7.41	--	480	24.5	39	1.1	5
79DC405W	72	1.478	120.0	1.3	7.14	--	1,250	20.0	--	<1.0	48
79DC406W	100	.430	110.0	-1.5	7.07	--	1,100	20.0	--	<1.0	59
79DC408W	51	.175	56.0	-8.4	7.38	--	850	25.0	31	<1.0	30
79GI816W	50	.401	140.0	2.9	7.10	--	810	24.0	--	<1.0	13
79MG001W	25	.195	14.0	2.2	6.84	--	390	21.0	<31	<1.0	31
79MG002W	60	.400	100.0	.3	6.69	--	890	19.0	--	<1.0	90
79MG003W	55	.430	160.0	6.0	6.75	--	1,000	19.0	--	<1.0	25
79WX429W	26	.126	5.2	5.5	7.91	--	180	24.0	<31	2.8	6
79WX430W	12	.095	3.5	4.6	7.57	--	200	20.0	<31	<1.0	31
80SC360W	48	2.430	97.0	-.9	7.12	65	680	16.5	83	1.3	101
80SC361W	120	2.466	290.0	-.4	7.12	--	1,000	16.0	112	1.6	93
80SR352W	60	2.082	200.0	-7.3	--	295	800	--	99	1.9	61
80TS300W	6	.083	19.0	-.3	6.83	--	110	7.5	533	<1.0	19
78GI407S	4	.110	27.0	--	6.70	--	--	--	206	1.8	42
79LU411S	23	.182	240.0	1.2	7.00	--	950	19.0	74	3.7	31
79MG860S	42	.552	320.0	-8.1	8.20	--	1,300	--	146	3.1	21
79CF302S	41	.333	27.0	-2.0	7.68	--	440	--	53	1.7	95
79CF314S	5	.214	9.5	-2.0	7.89	--	230	--	132	6.3	64
79CF315S	37	1.151	200.0	2.5	7.22	3,278	950	10.5	--	<1.0	21
79YV505S	140	2.382	1,600.0	-1.6	7.43	--	2,500	--	--	<1.0	30
79CD154S	39	.440	92.0	-3.8	7.25	--	800	--	--	<1.0	35
79MG301S	20	.142	33.0	.6	7.59	99	520	14.0	--	<1.0	5
79TH103S	500	1.475	270.0	1.1	7.47	<5	2,800	22.0	--	5.7	24
79TH104S	35	.389	70.0	4.8	7.15	214	550	21.0	--	3.3	42
79TH107S	120	.668	12.0	-.7	6.98	--	800	13.5	--	6.4	44
79TH110S	900	1.475	300.0	-3.5	7.60	<5	4,200	45.0	--	37.0	58
79TH111S	1,000	1.448	300.0	7.4	7.61	796	5,000	43.5	--	46.0	51
79MG879S	40	.322	150.0	-5.1	7.64	--	700	20.5	102	<1.0	36
78GA101T	130	.304	65.0	1.5	--	--	930	--	<31	9.6	89
78GA108T	87	.489	36.0	5.8	--	--	850	--	52	8.1	23
78SI121T	78	.619	140.0	-1.7	7.60	--	690	--	67	4.8	38
78CT115T	80	.629	130.0	-.9	7.30	--	770	--	47	6.8	33
78CT118T	73	.296	91.0	-3.4	7.60	--	630	--	58	4.4	35
78CT121T	39	.227	23.0	2.9	7.50	--	470	--	89	2.6	16

TABLE 3. WATER SAMPLE DATA, SILVER CITY QUADRANGLE. --continued

Sample	BERYLLIU	BORON	CADMIUM	CERIUM	CHROMIUM	COBALT	COPPER	GERMANIU	IRON	LANTHANU	LEAD
79RR806W	<1	24	<10	<81	<14	<120	2.0	<154	1,800	<18	--
79RR809W	<1	82	<10	<81	<14	<120	3.4	<154	44	<18	--
79RR810W	<1	174	<10	<81	<14	<120	6.9	<154	34	<18	--
79RR812W	<1	32	<10	<81	<14	<120	18.0	<154	120	<18	--
79CD800W	<1	15	<10	<81	<13	127	50.0	<154	430	<18	--
79CD806W	<1	13	<10	<81	<14	<120	4.1	<154	120	<18	--
79DC400W	<1	10	<10	<81	<14	<120	3.5	<154	9	<18	--
79DC401W	<1	20	<10	<81	<14	<120	3.7	<154	74	<18	--
79DC402W	<1	25	<10	<81	<14	<120	85.0	<154	11	<18	--
79DC403W	<1	8	<10	<81	<13	<107	2.6	<154	3	<18	--
79DC404W	<1	19	<10	<81	<14	<120	1.8	<154	10	<18	--
79DC405W	<1	31	12	<81	<13	136	15.0	<154	13	<18	--
79DC406W	<1	24	<10	<81	<13	147	2.1	<154	2	<18	--
79DC408W	<1	21	<10	<81	<14	<120	2.3	<154	20	<18	--
79GI816W	1	10	<10	89	<13	147	3.2	<154	16	<18	--
79MG001W	<1	10	<10	<81	<14	<120	2.8	<154	4	<18	--
79MG002W	<1	15	<10	<81	<13	<107	11.0	<154	190	<18	--
79MG003W	<1	8	<10	<81	<13	117	11.0	<154	460	<18	--
79WX429W	<1	22	<10	<81	25	<120	<.5	<154	3	<18	--
79WX430W	<1	11	<10	<81	<14	<120	<.5	<154	3	<18	--
80SC360W	<1	33	<10	97	<14	<120	78.0	<154	28	<18	--
80SC361W	<1	228	<10	<81	<14	<120	2.4	<154	2,700	23	--
80SR352W	<1	72	<10	<81	<14	<120	2.4	<154	18	<18	--
80TS300W	<1	<4	<10	<81	<14	<120	.8	<154	190	<18	--
78GI407S	<1	13	<10	<81	<14	<120	5.1	<154	130	<18	1.0
79LU411S	<1	11	<10	<81	<14	<120	7.4	<154	3	<18	.3
79MG860S	<1	14	<10	<81	<14	<120	5.6	<154	6	18	.2
79CF302S	<1	39	<10	<81	<14	<120	2.4	<154	1	<18	--
79CF314S	<1	16	<10	<81	<14	<120	4.2	<154	62	<18	--
79CF315S	1	27	<10	<81	<14	<120	3.6	<154	89	20	--
79YV505S	<1	48	17	<81	15	<107	7.2	<154	12	<18	--
79CD154S	<1	8	14	<81	<13	<107	<.5	<154	2	<18	--
79MG301S	<1	<6	<10	<81	<13	<107	2.0	<154	6	<18	--
79TH103S	<1	374	<10	<81	<13	141	9.2	<154	5	<18	--
79TH104S	<1	26	<10	<81	<13	<107	.7	<154	10	<18	--
79TH107S	<1	186	<10	<81	<13	<107	.5	<154	130	<18	--
79TH110S	<1	355	<10	<81	<13	<107	10.0	<154	8	<18	--
79TH111S	<1	387	<10	<81	<13	<107	11.0	<154	8	<18	--
79MG879S	<1	14	<10	<81	<13	<107	2.9	<154	11	<18	--
78GA101T	<1	323	<10	<81	<14	<120	6.4	<154	28	<18	2.2
78GA108T	<1	118	<10	<81	<14	<120	20.0	<154	4	<18	.6
78SI121T	<1	69	<10	<81	<14	<120	6.6	<154	8	<18	3.5
78CT115T	<1	71	<10	<81	<14	<120	6.8	<154	2	<18	1.5
78CT118T	<1	74	<10	<81	<14	<120	16.0	<154	24	<18	.8
78CT121T	<1	49	<10	<81	<14	167	8.0	<154	21	22	2.0

TABLE 3. WATER SAMPLE DATA, SILVER CITY QUADRANGLE. --continued

Sample	MANGANES	MOLYBDEN	NIOBIUM	SELENIUM	SILVER	TITANIUM	URANIUM	VANADIUM	YTTRIUM	ZINC
79RR806W	9	2.0	<14	--	<12	<7	2	<9	<3	330.0
79RR809W	1	11.0	<14	--	<12	<7	21	<9	<3	130.0
79RR810W	18	4.0	<14	--	<12	<7	82	<9	<3	100.0
79RRP12W	6	3.7	<14	--	<12	<7	33	<9	<3	1,100.0
79CD800W	5	3.2	<14	--	<15	<7	2	12	5	85.0
79CD806W	7	1.9	<14	--	<12	<7	<1	<9	<3	200.0
79DC400W	1	1.4	<14	--	<12	<7	<1	<9	<3	120.0
79DC401W	6	2.6	<14	--	<12	<7	3	<9	<3	90.0
79DC402W	6	2.7	<14	--	<12	<7	3	<9	<3	450.0
79DC403W	1	2.3	<14	--	<15	<7	<1	8	<3	140.0
79DC404W	1	1.9	14	--	<12	<7	2	<9	<3	110.0
79DC405W	2	2.5	<14	--	<15	<7	20	9	6	1,600.0
79DC406W	1	8.2	<14	--	<15	<7	20	11	6	140.0
79DC408W	1	6.7	<14	--	<12	<7	9	<9	<3	31.0
79GI816W	410	3.4	18	--	<15	<7	8	8	6	140.0
79MG001W	1	1.8	<14	--	<12	<7	4	<9	<3	54.0
79MG002W	47	3.6	<14	--	<15	<7	13	<8	4	340.0
79MG003W	39	6.8	<14	--	<15	<7	18	<8	5	120.0
79WX429W	1	1.8	<14	--	<12	<7	<1	28	<3	1.9
79WX430W	1	1.1	<14	--	<12	<7	<1	<9	<3	2.7
80SC360W	4	1.6	19	2.8	<12	<7	<1	12	8	900.0
80SC361W	130	7.0	<14	2.3	<12	<7	<1	<8	4	220.0
80SR352W	<1	2.6	<14	--	<12	<7	1	<8	6	430.0
80TS300W	1	<.5	<14	.2	<12	11	<1	<9	<3	1.0
78GI407S	1	.5	<14	.2	<12	<7	<1	<9	<3	64.0
79LU411S	2	5.5	14	.8	<12	<7	1	9	<3	9.5
79MG860S	<1	32.0	<14	1.1	<12	<7	7	<8	<3	3.0
79CF302S	35	4.3	<14	--	<12	<7	2	10	<3	4.7
79CF314S	1,200	2.1	<14	--	<12	<7	<1	<9	<3	10.0
79CF315S	45	12.0	<14	--	<12	<7	16	<8	4	17.0
79YV505S	36	2.2	<14	--	<15	<7	<1	16	3	6.9
79CD154S	1	1.9	<14	--	<15	<7	5	8	3	5.2
79MG301S	<1	4.0	<14	--	<15	<7	14	<8	<3	590.0
79TH103S	2	38.0	14	--	16	<7	1	33	5	7.2
79TH104S	12	1.1	<14	--	<15	<7	<1	29	<3	6.3
79TH107S	350	1.5	<14	--	<15	<7	<1	<8	<3	6.9
79TH110S	7	24.0	<14	--	<15	<7	<1	32	3	9.9
79TH111S	8	35.0	<14	--	<15	<7	<1	32	<3	5.9
79MG879S	11	2.6	<14	--	<15	<7	9	<8	<3	3.8
78GA101T	1	3.8	<14	1.2	<12	<7	12	10	<3	80.0
78GA108T	13	2.4	<14	.8	<12	<7	2	32	<3	330.0
78SI121T	1	2.8	<14	.3	<12	<7	11	9	<3	20.0
78CT115T	1	1.2	<14	.3	<12	<7	6	<9	<3	290.0
78CT118T	1	1.8	<14	.3	<12	<7	7	15	<3	120.0
78CT121T	1	1.4	<14	.5	16	<7	4	18	<3	360.0

TABLE 3. WATER SAMPLE DATA, SILVER CITY QUADRANGLE. --continued

Sample	LATITUDE	LONGITUD	ALKALINE	CALCIUM	CHLORIDE	FLUORIDE	LITHIUM	MAGNESIU	NITRATE	PHOSPHAT	POTASSIU	SILICA
78SE201T	32 10 44	108 23 13	--	30.0	37.0	.2	.017	7.6	--	<.5	3.40	31
78SE203T	32 7 40	108 22 58	--	11.0	55.0	1.3	.057	8.7	--	<1.0	5.60	42
78L0400T	32 16 33	108 39 3	--	20.0	45.0	1.0	.094	6.9	--	<.5	3.90	46
79LU103T	32 26 19	109 44 47	303	5.4	26.0	1.3	.180	.8	--	<.5	1.30	21
79WX110T	32 23 14	109 46 19	178	44.0	33.0	.4	.028	15.0	44.0	<.5	1.70	37
79WX111T	32 21 10	109 47 10	112	8.3	25.0	.5	.028	7.4	--	<.5	3.00	30
79CF300T	32 46 49	108 30 2	321	67.0	9.8	.5	.003	24.0	12.0	2.4	22.00	13
79CF309T	32 54 29	108 36 55	201	33.0	5.5	.4	.015	12.0	.8	<.5	3.60	52
79CF312T	32 46 23	108 39 51	364	170.0	59.0	.6	.043	43.0	150.0	<.5	1.70	13
79CP101T	32 36 51	108 46 0	157	12.0	9.7	1.4	.057	2.1	4.6	<.5	2.60	49
79CP103T	32 34 59	108 51 46	142	4.7	10.0	1.1	.029	.6	7.7	<.5	1.10	39
79CP107T	32 30 27	108 51 9	48	160.0	280.0	.7	.087	23.0	1.6	<.5	7.40	46
79CP109T	32 43 24	108 55 54	418	44.0	26.0	4.6	.170	12.0	--	<.5	2.40	39
79RR302T	32 32 27	108 43 45	109	28.0	8.6	.3	.016	1.0	8.0	<.5	1.80	35
79ST305T	32 56 21	108 57 30	108	15.0	5.6	.2	.011	9.2	--	<.5	1.30	34
79ST306T	32 55 53	108 56 12	171	17.0	3.5	.2	.010	17.0	--	<.5	2.30	72
79ST308T	32 53 7	108 55 15	297	61.0	27.0	.3	.010	34.0	.2	<.5	1.80	35
79ST313T	32 51 48	108 56 24	275	110.0	34.0	.6	.052	84.0	.5	<.5	4.40	22
79ST314T	32 49 47	108 55 35	384	96.0	21.0	.2	.020	19.0	--	<.5	.20	52
79ST315T	32 47 12	108 56 8	355	81.0	20.0	.3	.006	22.0	.6	<1.0	2.00	41
79YV509T	32 55 34	109 5 24	292	67.0	11.0	.9	.049	8.3	1.5	<.5	2.00	33
79CM351T	32 46 4	108 25 52	194	34.0	13.0	.7	.038	14.0	14.0	<.5	3.80	27
79CM352T	32 47 12	108 26 16	228	23.0	1.2	.4	.066	9.4	1.9	<.5	7.70	26
79CM353T	32 49 13	108 29 29	233	56.0	9.5	.4	.017	13.0	17.0	<.5	1.60	29
79TY102T	32 40 22	108 20 19	119	20.0	2.3	.7	.016	2.2	.9	<.5	5.20	38
79WS304T	32 33 9	108 17 42	134	70.0	26.0	.7	.006	20.0	.4	<1.0	3.10	37
79GA114T	32 11 13	108 0 36	246	35.0	7.6	.4	.030	9.1	1.9	<1.0	2.60	44
79GA116T	32 10 39	108 5 33	364	32.0	17.0	2.3	.082	61.0	7.2	<1.0	4.60	13
79GA118T	32 3 5	108 6 47	239	18.0	16.0	.4	.035	3.0	12.0	<1.0	4.30	41
79GA119T	32 1 49	108 4 53	284	10.0	7.5	1.1	.045	1.6	8.9	<1.0	1.70	27
79GA120T	32 4 57	108 2 24	222	31.0	52.0	1.0	.100	16.0	32.0	<1.0	3.10	37
79GA121T	32 6 51	108 0 20	262	9.8	6.8	2.6	.041	2.0	3.1	<1.0	2.30	35
79GA123T	32 13 34	108 14 38	193	19.0	29.0	.8	.039	4.7	3.3	<1.0	3.90	33
79GE103T	32 21 29	108 6 22	243	37.0	9.1	.6	.016	5.4	7.9	<1.0	2.40	35
79GW100T	32 11 28	108 21 34	250	45.0	5.9	.9	.007	8.7	5.1	<1.0	2.70	56
79GW101T	32 21 10	108 13 56	237	44.0	6.3	.9	.008	8.8	5.4	<1.0	2.70	56
79L0101T	32 16 24	108 44 23	232	230.0	42.0	1.5	.026	100.0	27.0	<1.0	5.30	29
79MR100T	32 8 27	108 33 53	117	140.0	280.0	.3	.050	57.0	250.0	88.0	2.60	25
79SP100T	32 2 14	108 39 17	215	9.3	31.0	2.8	.045	3.5	3.6	<1.0	6.70	87
79TE102T	32 0 57	108 16 13	189	4.7	40.0	2.3	.046	1.9	6.5	<1.0	11.00	97
79TE104T	32 7 1	108 20 7	231	10.0	11.0	1.2	.080	5.0	2.3	<1.0	3.40	62
79TT101T	32 2 19	108 47 51	276	14.0	20.0	.7	.063	3.8	45.0	<1.0	4.60	35
79B0102T	32 29 17	109 29 16	228	16.0	26.0	1.3	.060	3.6	26.0	<1.0	2.90	31
79B0104T	32 28 19	109 16 39	311	11.0	170.0	2.2	.480	3.3	2.9	<1.0	17.00	63
79B0106T	32 22 55	109 18 58	552	15.0	130.0	3.9	.260	19.0	18.0	<1.0	10.00	38

TABLE 3. WATER SAMPLE DATA, SILVER CITY QUADRANGLE. --continued

Sample	SODIUM	STRONTIU	SULFATE	CH-BAL	pH	RADON	SP COND	TEMP	ALUMINUM	ARSENIC	BARIUM
78SE201T	41	.366	17.0	--	8.70	--	--	--	<31	1.4	65
78SE203T	130	.231	68.0	--	9.20	--	--	--	--	3.6	37
78L0400T	130	.262	120.0	--	8.20	--	--	--	<31	12.0	29
79LU103T	134	.066	15.0	.9	--	--	520	--	<31	14.7	1
79WX110T	29	.176	24.0	-3.2	--	--	440	--	59	3.5	3
79WX111T	43	.217	13.0	2.3	--	--	400	--	64	7.0	12
79CF300T	23	.714	53.0	.5	8.08	--	650	--	--	<1.0	156
79CF309T	17	.229	4.6	-.9	8.10	--	340	22.0	51	2.8	8
79CF312T	62	2.397	260.0	-2.6	7.08	--	1,200	--	--	<1.0	39
79CP101T	68	.156	34.0	.7	8.52	--	370	--	<31	8.3	7
79CP103T	68	.023	20.0	.5	8.62	--	320	23.0	<31	9.0	<1
79CP107T	190	1.782	490.0	-2.0	8.63	--	1,690	--	--	1.3	14
79CP109T	150	.567	130.0	-3.2	8.16	--	980	--	<31	1.7	108
79RR302T	21	.349	20.0	-2.6	8.14	--	220	--	<31	1.6	46
79ST305T	15	.129	5.2	3.2	9.59	--	210	--	<31	2.2	8
79ST306T	12	.172	5.2	-3.1	9.15	--	380	--	<31	1.1	21
79ST308T	50	.805	140.0	-3.3	7.98	--	790	--	55	<1.0	91
79ST313T	58	1.388	490.0	-1.7	8.02	--	1,200	--	--	1.5	40
79ST314T	35	.491	73.0	-3.1	7.81	--	700	--	--	6.5	1
79ST315T	42	.471	100.0	-4.4	8.07	--	750	--	--	7.9	31
79YV509T	68	.826	120.0	-4.1	8.19	--	700	--	70	12.0	15
79CM351T	22	.202	9.1	-1.2	--	--	400	--	<31	1.7	3
79CM352T	52	.192	3.8	-1.2	9.44	--	430	--	<31	<1.0	92
79CM353T	14	.381	8.6	-.9	7.50	--	430	20.0	80	<1.0	4
79TY102T	23	.069	13.0	-.8	7.27	--	230	--	<31	<1.0	<1
79WS304T	33	.488	180.0	-.9	8.04	--	710	--	--	2.4	39
79GA114T	40	.405	15.0	-3.6	8.52	--	420	--	47	2.8	77
79GA116T	93	.608	130.0	7.6	8.72	--	1,100	--	48	9.6	27
79GA118T	86	.174	32.0	-2.6	8.82	--	530	--	<36	8.7	5
79GA119T	93	.078	14.0	-6.4	9.10	--	480	--	<36	9.7	6
79GA120T	73	.448	44.0	-3.7	8.60	--	660	--	45	2.4	4
79GA121T	85	.137	10.0	-5.1	8.75	--	440	--	<36	14.0	21
79GA123T	74	.251	41.0	-3.0	9.23	--	500	17.0	<36	10.0	15
79GE103T	51	.352	11.0	-.4	8.06	--	460	--	52	2.4	51
79GW100T	46	.211	44.0	-2.6	7.69	--	500	23.5	61	2.3	21
79GW101T	46	.208	44.0	-1.0	7.82	--	500	23.5	46	2.1	21
79L0101T	73	1.397	880.0	-1.6	8.48	--	1,800	--	210	1.1	16
79MR100T	99	3.871	120.0	-.4	8.60	--	1,700	--	920	2.4	183
79SP100T	83	.101	10.0	-3.0	9.32	--	520	--	<36	3.9	3
79TE102T	97	.098	37.0	-3.4	9.65	--	580	--	<36	6.5	<1
79TE104T	92	.441	45.0	-1.4	8.49	--	530	--	<36	2.9	8
79TT101T	110	.122	41.0	-.1	9.13	--	650	--	<36	12.0	2
79B0102T	92	.109	43.0	-6.1	8.18	--	560	28.5	<36	12.0	6
79B0104T	380	.248	410.0	-2.7	9.34	--	1,800	--	<36	4.6	27
79B0106T	560	.543	570.0	3.1	9.77	--	2,400	--	<36	16.0	25

TABLE 3. WATER SAMPLE DATA, SILVER CITY QUADRANGLE. --continued

Sample	BERYLLIU	BORON	CADMIUM	CERIUM	CHROMIUM	COBALT	COPPER	GERMANIU	IRON	LANTHANU	LEAD
78SE201T	<1	26	<10	<81	<14	<120	12.0	<154	27	<18	.7
78SE203T	<1	183	<10	<81	<14	<120	6.5	<154	13	<18	.2
78L0400T	<1	113	<10	<81	<14	<120	3.9	<154	12	<18	.5
79LU103T	<1	111	<10	<81	<14	<120	22.0	<154	61	<18	.8
79WX110T	<1	33	<10	<81	<14	<120	11.9	<154	11	<18	1.1
79WX111T	<1	61	<10	<81	<14	<120	11.0	<154	15	<18	1.3
79CF300T	<1	49	<10	<81	<14	<120	3.5	<154	170	<18	--
79CF309T	<1	11	<10	<81	<14	<120	1.2	<154	8	<18	--
79CF312T	<1	24	<10	<81	<14	<120	3.9	<154	430	23	--
79CP101T	<1	69	<10	<81	<14	<120	3.0	<154	130	<18	--
79CP103T	<1	60	<10	<81	<14	<120	5.4	<154	320	<18	--
79CP107T	<1	95	<10	<81	<14	<120	5.6	<154	6	29	--
79CP109T	<1	146	<10	<81	<14	<120	4.4	<154	1	<18	--
79RR302T	<1	9	<10	<81	<14	<120	.8	<154	1	<18	--
79ST305T	<1	<4	<10	<81	<14	<120	2.5	<154	1	<18	--
79ST306T	<1	<4	<10	<81	<14	<120	1.8	<154	4	<18	--
79ST308T	<1	8	<10	<81	<14	<120	2.8	<154	12	<18	--
79ST313T	<1	12	10	<81	<14	<120	8.9	<154	34	26	--
79ST314T	<1	12	<10	<81	<14	<120	15.0	<154	3	24	--
79ST315T	<1	16	<10	<81	<13	<107	6.6	<154	5	<18	--
79YV509T	<1	67	<10	<81	<14	<120	9.6	<154	8	<18	--
79CM351T	<1	23	<10	<81	<14	<120	2.1	<154	<1	<18	--
79CM352T	<1	47	<10	<81	<14	<120	2.2	<154	85	<18	--
79CM353T	<1	18	<10	<81	<14	<120	31.0	<154	34	<18	--
79TY102T	<1	35	<10	<81	<14	<120	1.4	<154	210	<18	--
79WS304T	<1	25	<10	<81	<13	<107	33.0	<154	27	<18	--
79GA114T	<1	32	<10	<81	<13	<107	17.0	<154	17	<18	--
79GA116T	<1	250	<10	<81	<13	<107	8.8	<154	10	<18	--
79GA118T	<1	89	<10	<81	<13	<107	8.5	<154	17	<18	--
79GA119T	<1	77	<10	<81	<13	<107	13.0	<154	59	<18	--
79GA120T	<1	93	<10	<81	<13	<107	5.6	<154	12	<18	--
79GA121T	<1	74	<10	<81	<13	<107	5.7	<154	13	<18	--
79GA123T	<1	134	<10	<81	<13	<107	6.5	<154	27	<18	--
79GE103T	<1	35	<10	<81	<13	<107	24.0	<154	19	<18	--
79GW100T	<1	20	<10	<81	<13	<107	3.0	<154	6	<18	--
79GW101T	<1	19	<10	<81	<13	<107	3.5	<154	11	<18	--
79L0101T	<1	72	<10	<81	<13	<107	39.0	<154	38	<18	--
79MR100T	<1	102	<10	<81	<13	<107	11.0	<154	11	26	--
79SP100T	<1	57	<10	<81	<13	<107	5.2	<154	17	<18	--
79TE102T	<1	88	<10	<81	<13	<107	3.7	<154	15	<18	--
79TE104T	<1	98	<10	<81	<13	<107	17.0	<154	62	<18	--
79TT101T	<1	114	<10	<81	<13	<107	8.3	<154	25	<18	--
79B0102T	<1	96	<10	<81	<14	<120	2.9	<154	7	<18	--
79B0104T	<1	355	<10	<81	<14	<120	11.0	<154	86	<18	--
79B0106T	<1	261	<10	<81	<14	<120	21.0	<154	50	<18	--

TABLE 3. WATER SAMPLE DATA, SILVER CITY QUADRANGLE. --continued

Sample	MANGANES	MOLYBDEN	NIOBIUM	SELENIUM	SILVER	TITANIUM	URANIUM	VANADIUM	YTTRIUM	ZINC
78SE201T	2	.8	<14	.4	<12	<7	<1	<9	<3	53.0
78SE203T	1	1.3	<14	.3	<12	<7	2	10	<3	130.0
78L0400T	<1	.5	<14	.7	<12	<7	3	23	<3	67.0
79LU103T	1	1.2	<14	.2	<12	<7	14	14	<3	2.2
79WX110T	1	1.4	<14	1.0	<12	<7	<1	14	<3	120.0
79WX111T	1	2.2	<14	.3	<12	<7	2	23	<3	67.0
79CF300T	57	.8	<14	--	<12	<7	1	<9	<3	22.0
79CF309T	3	.9	<14	--	<12	<7	1	16	<3	2.6
79CF312T	50	13.0	<14	--	<12	<7	100	<9	<3	540.0
79CP101T	11	1.8	<14	--	<12	<7	3	17	<3	33.0
79CP103T	4	3.1	<14	--	<12	<7	3	25	<3	130.0
79CP107T	2	2.5	<14	--	<12	<7	1	10	<3	6.5
79CP109T	3	6.4	<14	--	<12	<7	4	10	<3	48.0
79RR302T	1	.7	<14	--	<12	<7	3	<9	<3	56.0
79ST305T	<1	.7	<14	--	<12	<7	<1	<9	<3	3.9
79ST306T	1	.6	<14	--	<12	<7	<1	<9	<3	3.0
79ST308T	7	.7	<14	--	<12	<7	<1	<9	<3	16.0
79ST313T	36	1.2	<14	--	<12	<7	<1	10	<3	170.0
79ST314T	3	.5	<14	--	15	<7	<1	21	<3	950.0
79ST315T	1	.7	<14	--	<15	<7	1	18	<3	100.0
79YV509T	15	.6	<14	--	<12	<7	4	9	<3	66.0
79CM351T	1	2.2	<14	--	<12	<7	1	9	<3	21.0
79CM352T	5	.8	<14	--	<12	<7	5	<9	<3	6.6
79CM353T	7	1.0	<14	--	<12	<7	1	<9	<3	1,200.0
79TY102T	20	24.0	<14	--	<12	<7	<1	<9	<3	480.0
79WS304T	5	9.5	<14	--	<15	<7	2	<8	<3	36.0
79GA114T	2	.8	<14	--	<15	<7	5	15	<3	55.0
79GA116T	9	1.4	<14	--	<15	<7	5	<8	<3	43.0
79GA118T	1	1.0	<14	--	<15	<7	2	11	<3	84.0
79GA119T	1	3.2	<14	--	<15	<7	3	29	<3	28.0
79GA120T	1	1.1	<14	--	<15	<7	5	18	<3	21.0
79GA121T	1	8.2	<14	--	<15	<7	5	27	<3	7.5
79GA123T	1	.9	<14	--	<15	<7	2	19	<3	140.0
79GE103T	3	4.4	<14	--	<15	<7	2	14	<3	150.0
79GW100T	1	2.7	<14	--	<15	<7	2	14	<3	130.0
79GW101T	1	2.1	<14	--	<15	<7	2	12	<3	64.0
79L0101T	17	4.0	<14	--	<12	<7	2	<9	<3	38.0
79MR100T	2	1.0	<14	--	<12	<7	<1	29	<3	54.0
79SP100T	1	1.0	<14	--	<15	<7	<1	<8	<3	13.0
79TE102T	1	2.6	<14	--	<15	<7	<1	<8	<3	17.0
79TE104T	2	<.5	<14	--	<15	<7	2	11	<3	110.0
79TT101T	2	1.9	<14	--	<15	<7	10	15	<3	23.0
79B0102T	<1	1.8	<14	--	<12	<7	1	10	<3	23.0
79B0104T	4	6.5	<14	--	<12	<7	<1	<8	<3	26.0
79B0106T	4	26.0	<14	--	<12	<7	5	<8	<3	8.6

TABLE 3. WATER SAMPLE DATA, SILVER CITY QUADRANGLE. --continued

Sample	LATITUDE	LONGITUD	ALKALINE	CALCIUM	CHLORIDE	FLUORIDE	LITHIUM	MAGNESIU	NITRATE	PHOSPHAT	POTASSIU	SILICA
79B0107T	32 21 14	109 20 0	271	32.0	50.0	3.1	.140	15.0	.6	<1.0	4.80	65
79B0111T	32 15 16	109 27 55	179	41.0	56.0	.2	.078	6.6	1.7	<1.0	5.00	36
79ML110T	32 20 37	108 56 57	970	36.0	790.0	15.0	.100	45.0	4.2	<1.0	4.50	42
79SS151T	32 18 7	109 12 31	264	41.0	47.0	6.3	.170	10.0	2.8	<1.0	7.50	70
79SS154T	32 15 53	109 4 57	253	58.0	35.0	.9	.044	19.0	20.0	<1.0	1.80	40
79WC105T	32 35 57	109 16 29	202	30.0	160.0	4.5	.260	10.0	4.0	<1.0	11.00	65
79CD151T	32 1 6	109 26 12	131	61.0	8.2	.7	.007	7.2	2.0	<1.0	1.10	35
79CC154T	32 1 48	109 57 39	223	60.0	14.0	.5	.015	21.0	5.3	<1.0	1.40	24
79DC154T	32 4 20	109 31 5	135	25.0	8.1	.9	.019	7.5	5.9	<1.0	2.90	31
79MG302T	32 34 3	109 49 3	198	54.0	6.8	2.1	.013	16.0	1.0	<1.0	1.80	19
79TH108T	32 48 10	109 59 8	95	30.0	8.1	.6	.016	7.0	.4	<1.0	4.40	33
79CD801T	32 5 54	109 25 37	169	63.0	9.3	.3	.013	5.8	4.5	<.5	1.40	20
79MG880T	32 38 30	109 59 55	91	30.0	12.0	.9	.013	9.6	8.6	<1.0	.70	29

TABLE 3. WATER SAMPLE DATA, SILVER CITY QUADRANGLE. --continued

Sample	SODIUM	STRONTIU	SULFATE	CH-BAL	pH	RADON	SP COND	TEMP	ALUMINUM	ARSENIC	BARIUM
79B0107T	310	.992	530.0	-2.1	8.59	--	1,600	--	<36	1.5	13
79B0111T	98	.719	90.0	4.3	8.44	--	900	--	43	<1.0	19
79ML110T	1,800	1.453	1,900.0	3.9	8.64	--	7,500	--	47	12.0	10
79SS151T	110	1.063	110.0	-3.3	8.68	--	900	--	46	5.5	20
79SS154T	63	.647	73.0	1.8	8.11	--	760	--	48	5.1	54
79WC105T	290	.494	300.0	3.1	8.57	--	1,100	--	48	9.5	20
79CD151T	19	.252	85.0	3.2	6.98	--	450	--	--	<1.0	23
79CO154T	17	.529	51.0	2.7	7.60	--	530	--	--	<1.0	92
79DC154T	28	.425	21.0	2.7	8.97	--	350	--	--	1.7	7
79MG302T	21	.144	34.0	7.7	7.98	--	520	--	--	<1.0	3
79TH108T	17	.151	44.0	3.3	7.48	--	290	--	--	<1.0	29
79CD801T	10	.161	14.0	9.1	7.34	--	400	26.0	37	<1.0	23
79MG880T	20	.145	50.0	2.9	6.81	--	330	22.0	--	<1.0	30

TABLE 3. WATER SAMPLE DATA, SILVER CITY QUADRANGLE. --continued

Sample	BERYLLIU	BORON	CADMIUM	CERIUM	CHROMIUM	COBALT	COPPER	GERMANIU	IRON	LANTHANU	LEAD
79B0107T	<1	766	<10	<81	<14	<120	16.0	<154	330	<18	--
79B0111T	<1	32	<10	<81	<14	<120	4.6	<154	23	<18	--
79ML110T	<1	1,770	<10	<81	<14	<120	37.0	<154	27	<18	--
79SS151T	<1	94	<10	<81	<14	<120	7.5	<154	170	<18	--
79SS154T	<1	76	<10	<81	<14	<120	12.0	<154	15	<18	--
79WC105T	<1	236	<10	<81	<14	<120	12.0	<154	120	<18	--
79CD151T	<1	11	<10	<81	<13	<107	3.4	<154	1	<18	--
79CO154T	<1	18	10	<81	<13	<107	<.5	<154	6	<18	--
79DC154T	<1	16	<10	<81	<13	<107	4.3	<154	20	<18	--
79MG302T	<1	<6	<10	<81	<13	<107	2.3	<154	5	<18	--
79TH108T	<1	6	<10	<81	<13	<107	5.6	<154	120	<18	--
79CD301T	<1	16	<10	<81	<14	<120	9.7	<154	6	<18	--
79MG880T	<1	14	<10	<81	<13	<107	7.8	<154	970	<18	--

TABLE 3. WATER SAMPLE DATA, SILVER CITY QUADRANGLE. --continued

Sample	MANGANES	MOLYBDEN	NIOBIUM	SELENIUM	SILVER	TITANIUM	URANIUM	VANADIUM	YTTRIUM	ZINC
79BO107T	9	4.0	<14	--	<12	<7	8	<8	<3	51.0
79BO111T	1	.6	<14	--	<12	<7	2	<8	<3	8.2
79ML110T	93	490.0	<14	--	<12	<7	500	9	<3	56.0
79SS151T	21	1.2	<14	--	<12	<7	6	<8	<3	91.0
79SS154T	4	2.6	<14	--	<12	<7	1	13	<3	160.0
79WC105T	3	6.5	<14	--	<12	<7	2	36	<3	37.0
79CD151T	2	.8	<14	--	<15	<7	<1	<8	<3	52.0
79CO154T	2	2.6	<14	--	<15	<7	1	9	5	2,200.0
79DC154T	1	1.4	<14	--	<15	<7	3	<8	<3	13.0
79MG302T	4	3.7	<14	--	<15	<7	15	<8	<3	300.0
79TH108T	58	.8	<14	--	<15	<7	<1	<8	<3	1,300.0
79CD801T	4	.7	<14	--	<12	<7	<1	<9	<3	160.0
79MG880T	62	.9	<14	--	<15	<7	<1	<8	<3	1,000.0