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Analytical data for soil and well core samples from the Carson River basin, Lyon and Churchill Counties, Nevada

by

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Table of Contents

List of Illustrations

List of Tables

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INTRODUCTION

The goal of the National Water Quality Assessment Program (NAWQA) is to determine within specific drainage basins both the character of water quality and the factors that effect that quality. Plans call for the program to be applied throughout the U.S. Initially, however, several pilot studies were established in diverse drainage basins to develop techniques for use in both groundwater and surface water studies. The Carson River Basin, Churchill and Lyon Counties, Nevada, is a pilot study area for groundwater. The Carson River originates on the east flank of the Sierra Nevada mountains and drains eastward to terminate in the Carson Sink. This report presents data from that study.

One of the objectives of the study is to investigate the relationship between water quality and the composition of the solid mineral material in contact with the water. A regional assessment of the geochemistry of surficial materials was obtained by soil samples. Subsurface assessment was obtained from drill core of shallow (at least to the depth of the water table) wells drilled specifically for this study. Both groundwater and solid materials were sampled, but this report contains the analytical data only for the solid mineral materials that were collected. All analyses were performed in laboratories of the U.S. Geological Survey, Geologic Division, Denver, CO.

FIELD SAMPLES

Soil samples that represent the 0-12 inch (0-30 cm) depth were collected from 397 sites to determine the regional distribution of elements in the alluvium. The basin was subdivided into a grid of cells, 5 km on a side, and one or more random sites were selected within each cell. The sites are shown in Figure 1. The cells are defined according to the UTM coordinates in kilometers of the southeast corner of the cell. East-west coordinates increase from west to east and range from 250E to 400E km. North-south coordinates increase from south to north and range from 4290N to 4450N km. Field numbers indicate location according to the cell in which the sample was collected as in the following example: 40044450 is the most northeastern cell in Figure 1. With reference to the southeast corner of the cell, 400 is the easterly coordinate, 4445 is the northerly coordinate, and 0 is the first sample taken in the cell. Other samples collected in a nested analysis of variance design are shown in Figure 2 as 5-digit numbers. A soil sample was also collected at each well site. Soils were collected by Geologic Division personnel.

Well core samples were collected at selected depths from drill cores of shallow wells

located as shown in Figure 3. A total of 30 well sites represents a regional study plan in which sites were selected from each of the major geographic subdivisions of the basin progressing downstream: Carson valley (CVR), Dayton valley (DVR), Churchill valley (CHR), and Carson desert (CDR). Other well sites represent detailed well clusters designed to compare the areal and depth variation in the upper part of the basin (Carson valley, CVD) with that in the lower part of the basin (Carson desert, CDD). Because all of the wells were drilled in alluvial materials, the core samples were mostly of fine-grained texture. The exceptions were in locations near the mountain front in the Carson valley where cobbly alluvium was more common. Well core samples were collected by Water Resources Division personnel.

SAMPLE PREPARATION

Soil samples were air dried at ambient temperature and aggregates were gently crushed to pass a 2 mm stainless steel screen. The material less than 2 mm was thoroughly mixed and split in a Jones splitter. A subsample was then ground to less than 100 mesh using a vertical grinder equipped with ceramic plates.

Twenty five percent of the analysis-of-variance soil samples represent analytical duplicates. In addition, four internal reference standards were randomized within every group of 40 analyses. All samples, replicates, and standards were randomized and analyzed in that order. This has the effect of transforming any systematic laboratory error into a random error.

Well core was treated in a similar manner. Only the less-than-2-mm fraction was analyzed. Well core was analyzed separately from the soils.

ANALYTICAL TECHNIQUES

The analytical techniques used in this study are summarized below. Further details about each method are given in the references cited under each method, and all methods are described in U.S. Geological Survey Bulletin 1770, (Baedecker, ed. 1987).

Flame Atomic Absorption, (AA)

(Method codes are shown in Table 1.)

Well core samples were analyzed for Au, In, Te, and Tl by flame atomic absorption spectroscopy (Hubert and Chao, 1985). The sample (4.0 g) was put into solution with an acid mixture of HF, HCl, HNO_3, HBr, and Br_2. Gold and Tl were extracted into methyl-isobutyl ketone (MIBK) and measured by AA. The remaining MIBK was removed and concentrated HBr added to reduce the Fe; In and Te were extracted into MIBK and measured by AA. The lower limits of determination are shown in Table 1. The RSD for Au is 6-9 percent; In and Te is generally less than 15 percent; and Tl is generally less than 10 percent. Gold was not detected in any sample above the lower limit of detection (0.05 ppm) and only two samples contained In above 0.05 ppm.

Inductively-Coupled Argon Plasma Atomic Emission Spectroscopy (I)

Each sample (0.200 g) is dissolved using a low temperature digestion with concentrated HCl, HF, HNO_3, and $HClO_4$ acids (Crock and others, 1983). Lutetium is added at the start of the digestion to serve as an internal standard (5 ppm in the final solution). The acidic sample solution is taken to dryness, and the residue is redissolved with 1 ml of aqua regia and then diluted to 10 g. Reagent blanks, reference materials, and sample replicates were all digested by the same procedure and analyzed simultaneously with the samples. Using the inductively-coupled argon plasma emission spectroscopy (commonly abbreviated ICP) procedure 40 elements are determined simultaneously with RSD on the order of 5 percent. The relative standard deviation (RSD) for replicate determinations of most elements is about 5 percent. Lower limits of determination are shown in Table 1. The following elements were analyzed by this method but were not detected above the lower limit of detection shown (ppm) in either soils or well core: Au (8), Bi (10), Ho (4), Sn (10), Ta (40). No soil samples contained Cd (2), but it was found in 22 samples of well core. Only one soil sample contained detectable Eu (2).

Cold vapor Atomic Absorption Spectroscopy (C)

Cold vapor atomic absorption spectroscopy was used to determine mercury (Kennedy and Crock, 1987). A 0.1 g sample is weighed into a 16x100 mm disposable glass test tube and 2 ml of concentrated HNO_3 (70 percent), and 0.5 ml of sodium dichromate solution (25 percent w/v) are added. The test tube is transferred to an aluminum heating block where it is digested for 2 hours at 110 C. After digestion the tube is cooled and the volume is adjusted to 12 ml with deionized water. An aliquot of the sample is removed and combined with a solution of hydroxylamine hydrochloride followed by stannous chloride in a continuous flow system to produce a vapor of elemental mercury. The mercury vapor is separated from the aqueous phase using a specially designed phase separator and swept into the cold vapor cell, which is situated in the light path of the atomic absorption spectrometer. Quantification of mercury is performed using a series of external aqueous standards and the appropriate linear regression procedures. The lower limit of determination is shown in Table 1. The RSD for the method is about 10 percent.

Continuous-Flow Hydride Generation Atomic Absorption Spectroscopy (H)

Arsenic, Sb, and Se were determined by hydride generation (Briggs and Crock, 1986; Crock and Lichte, 1982). A 0.25 g sample is digested with HNO_3, $HClO_4$, H_2SO_4, and HF acids. After digestion, the sample is diluted to 54 ml with 10 percent HCl acid and allowed to sit overnight to ensure the conversion of Se-VI to Se-IV. An aliquot of the sample is reacted with sodium borohydride in a continuous flow system to generate the appropriate gaseous hydride compound. The hydride gas is separated from the aqueous phase using a specially designed phase separator, and the gas is swept into a quartz atomization cell (Hatfield, 1987) positioned in the light path of the atomic absorption spectrometer. Arsenic, Se, and Sb were quantified using a series of external standards and the appropriate linear regression procedure. The lower limits of determination for As, Sb, and Se are shown in Table 1. The RSD for these determinations is about 10 percent.

Combustion Infrared Absorption Spectroscopy (IR)

Total C determinations were performed using a Leco model CR12 automated analyzer (Jackson and others, 1987). The sample (about 0.75 g) is combusted in an oxygen atmosphere at 1370°C. The CO_2 gas generated during the heating process is swept into a infrared detector after passing through a specially designed scrubbing system. The scrubbing system removes interfering compounds from the gas stream. Instrument calibration is accomplished using standards that closely approximate the analyte concentration and sample matrix. The lower limit of determination is shown in Table 1. The RSD for the determination of total C is 10 percent or less.

Total S was determined using a Leco model SC-132 automated analyzer (Jackson and others, 1987). The sample (0.25 g) was mixed with vanadium pentoxide (1 g) and combusted in an oxygen atmosphere at 1370°C. The SO_2 gas generated was measured as described above for CO_2. The lower limit of determination is shown in Table 1. The RSD is 5 percent or less.

Delayed Neutron Activation (DN)

Uranium and Th were determined by delayed neutron activation (McKown and Millard, 1987). Powdered samples (usually between 5 g and 10 g) were irradiated in the U.S.G.S. TRIGA reactor. The DN technique is generally suitable for most geological materials exhibiting a Th to U ratio greater that 3. For appropriate materials, the detection limits (at plus or minus 30 percent RSD) are approximately 0.2 ppm for U and 3 ppm for Th based on a 10 g sample. Expected precision for U is plus or minus 5 percent RSD or better at concentrations greater than 2 ppm, and plus or minus 10 percent RSD or better for Th at concentrations greater that 15 ppm. Precision and sensitivity for Th decreases as the Th to U ratio declines from 3:1; at a ratio of 1:1 or less, Th is not measured reliably, even at high concentrations. Similarly, U measurements have lower precision and sensitivity at ratios greater than 50:1. The DN method for U and Th is not suitable in samples that are highly anomalous (generally greater the 1 percent) in F, Be, Li, B, Cd, or Gd.

Wavelength-Dispersive X-ray Fluorescence Spectroscopy (XR)

Major element oxides in samples were determined using a wavelength-dispersive X-ray fluorescence spectrometer (Phillips PW1600) equipped with an end-window rhodium x-ray tube operating at 35 Kv and 60 Ma (Taggart and others, 1987). In this procedure a 0.8000 g sample is fused with 8.000 g of lithium tetraborate flux at 1120°C for 40 minutes. The molten sample is cast into a glass disc using specially designed platinum mold. The galls disc is then analyzed by the spectrometer and the metal oxide concentrations are determined by comparing intensities with previously analyzed certified geologic standards. The method also provides for gravimetric determination of loss-on-ignition at 925°C. The lower limits of determination are shown in Table 1. The RSD is less than 1 percent.

Hot-water extraction, Inductively-Coupled Argon Plasma Atomic Emission Spectroscopy (XW)

Extractable B is defined here as that which is dissolved in a mixture of 10 parts sample to 20 parts water (1:2) and boiled in a water bath for 1 hour (Stewart and others,

1989). The solutions were centrifuged and the supernatant was analyzed for B by ICP. The lower limit of determination is shown in Table 1. The RSD is 7 percent or less.

PRESENTATION OF RESULTS

The analytical methods used and the lower limits of determination for each method and each element are presented in Table 1. If the concentration of any element in a sample is determined to be outside (usually below) the limits of detection for the method, the value is indeterminate or "qualified" with an annotation, such as "L", meaning less than the lower limit of determination. Values that fall within the limits of determination of the method are "unqualified" and have no annotation.

A total of 397 soil samples were analyzed and reported as element concentrations. The number of qualified and unqualified values and the minimum and maximum unqualified values found in the soils is given in Table 2. A total of 91 well core samples were analyzed and reported as elements. The number of qualified and unqualified values and the minimum and maximum unqualified values found in the well core is given in Table 3. Table 3 also includes 47 well core samples that were analyzed for major elements and reported as oxides. The analytical methods used appear to have a working range that is well suited to encompass the range of concentrations for most elements found in most samples. Some exceptions include Ag, Hg, Mo, and Se in both soils and well core and Eu in soils. In addition Cd, In, Nb, S, Te, and Yb in well core have a large number of qualified values. Samples in which rarely detected elements were found are shown in Table 4.

The site location and analytical data for each soil sample are shown in Table 5. Data for well core are shown in Table 6.

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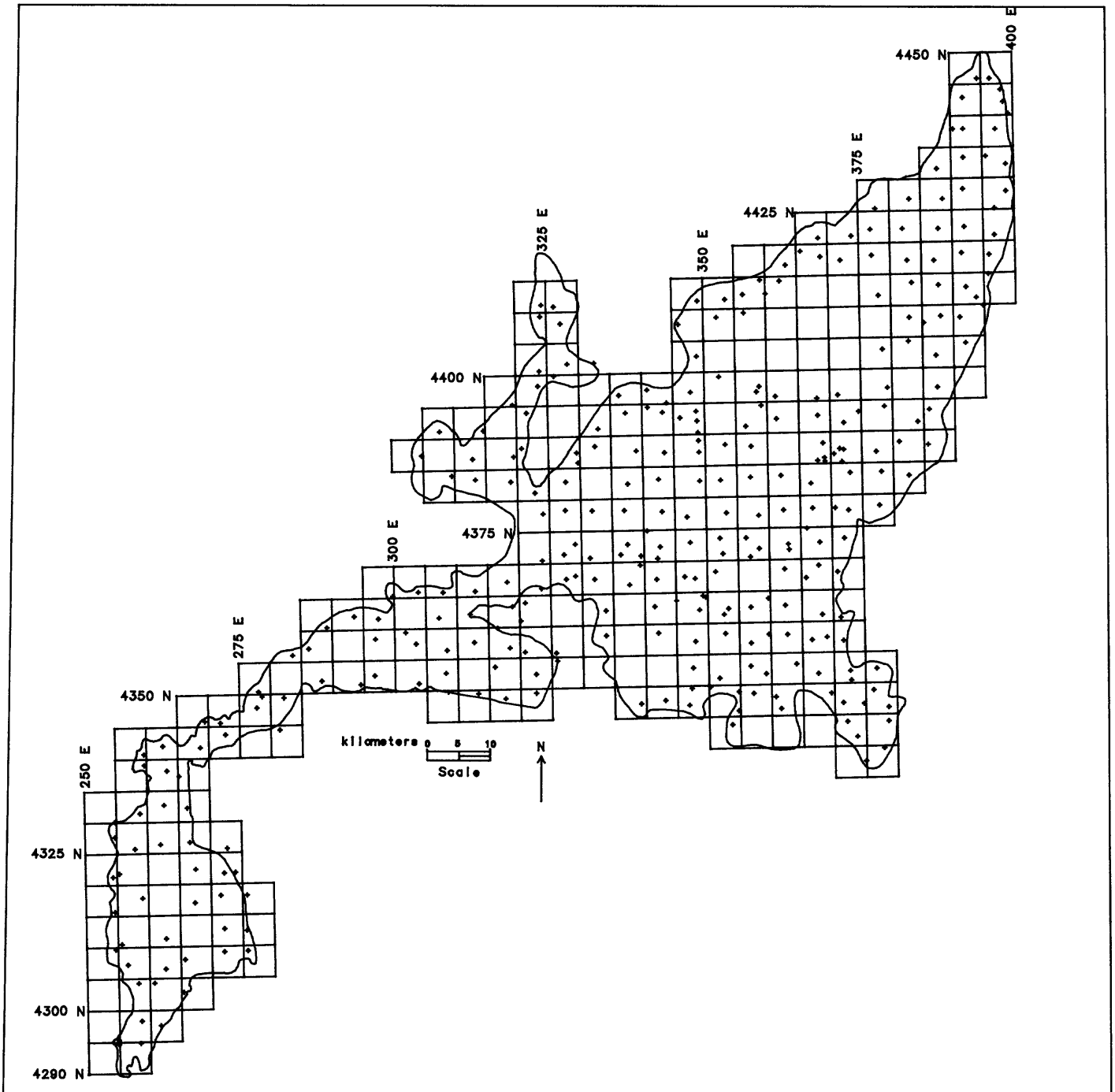

Figure 1.—Plot of grid soil sampling sites in the Carson River basin, Nevada. Grid coordinates in kilometers, Universal Transverse Mercator.

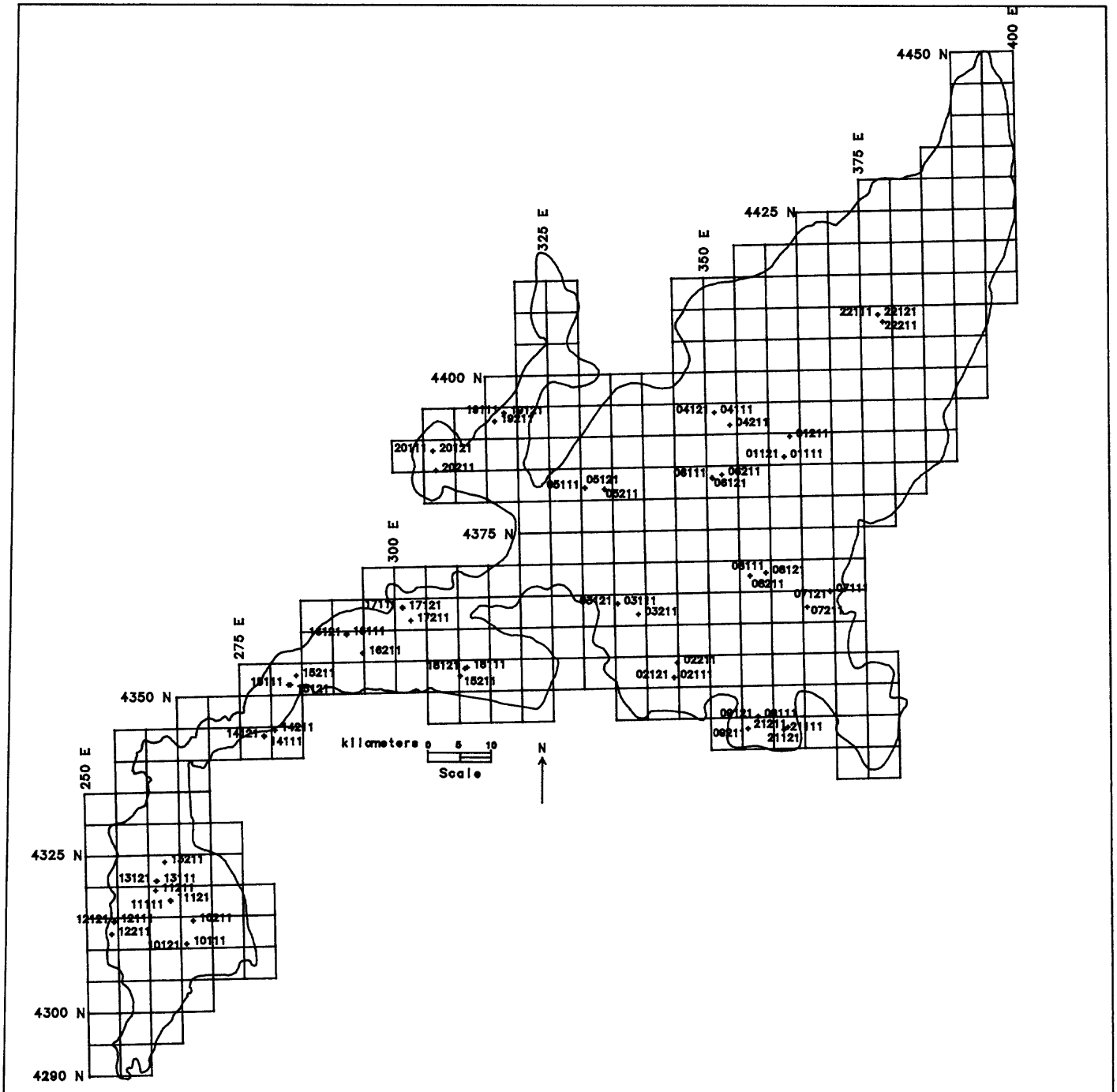

Figure 2.—Plot of soil sampling sites for ANOV in the Carson River basin, Nevada. Grid coordinates in kilometers, Universal Transverse Mercator.

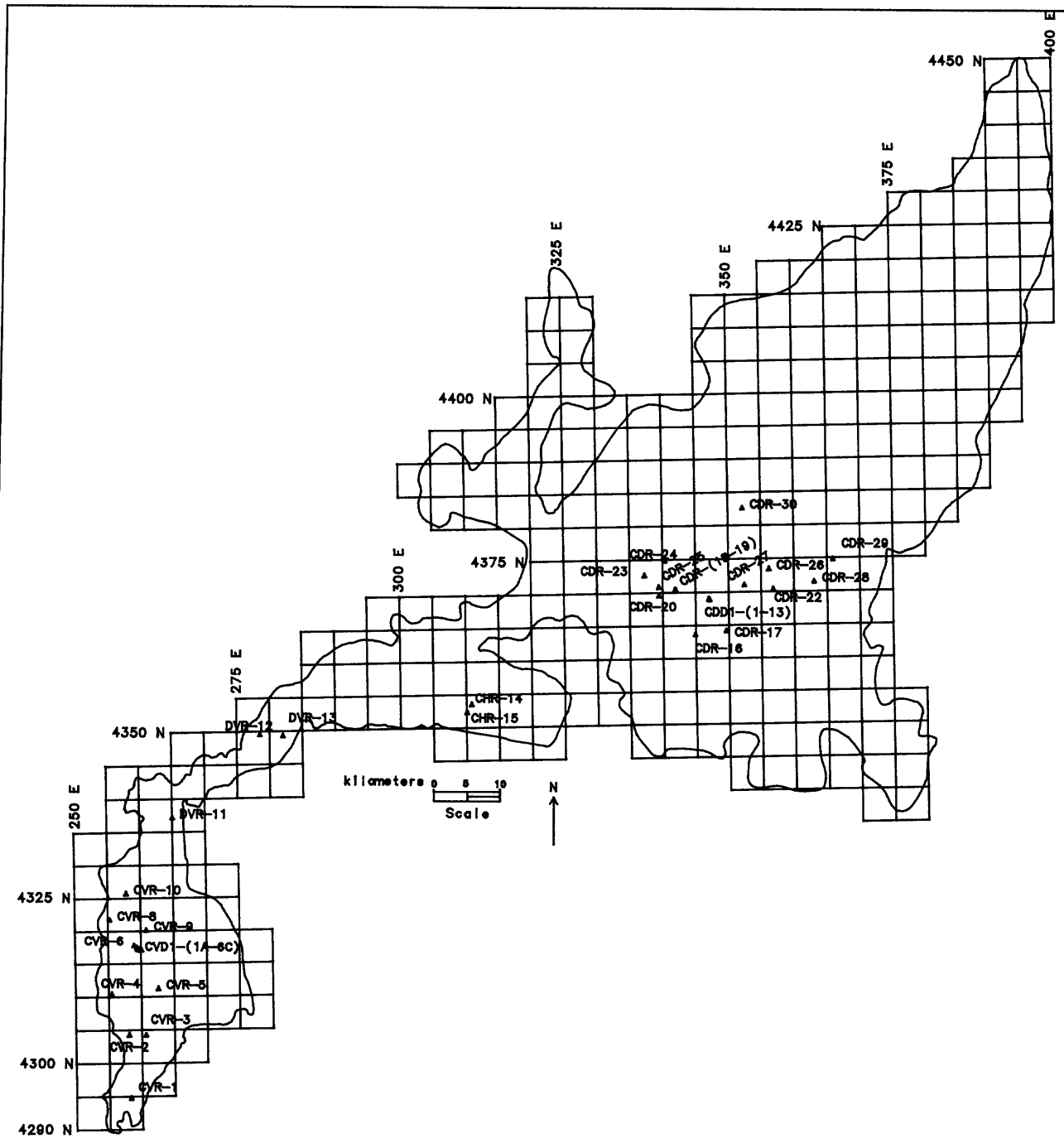

Figure 3.—Plot of well sites in the Carson River basin, Nevada. Grid coordinates in kilometers, Universal Transverse Mercator.

Table 1.--Lower limits of determination for analytical methods and method codes.

[AA, Flame Atomic Absorption Spectroscopy. CV, Cold Vapor Atomic Absorption Spectroscopy. H, Hydride Generation Atomic Absorption Spectroscopy. I, Inductively Coupled Argon Plasma Atomic Emission Spectroscopy. IR, Combustion Infrared Absorption Spectrophotometry. DN, Delayed Neutron Activation. XI, hot water extract, Inductively Coupled Argon Plasma Atomic Emission Spectroscopy. XR, wave-length dispersive X-ray spectrocopy. %, percent. ppm, parts per million.]

Element	Element/Method Code	Lower limit of determination
Aluminum	Al-I	0.005%
	Al_2O_3-XR	.1 %
Antimony	Sb-H	.1 ppm
Arsenic	As-H	.1 ppm
Boron	B-XI	.4 ppm
Barium	Ba-I	1 ppm
Beryllium	Be-I	1 ppm
Calcium	Ca-I	.005%
	CaO-XR	.02 %
Carbon	C-IR	.01 %
Cerium	Ce-I	4 ppm
Chromium	Cr-I	1 ppm
Cobalt	Co-I	1 ppm
Copper	Cu-I	1 ppm
Europium	Eu-I	2 ppm
Gallium	Ga-I	4 ppm
Gold	Au-AA	.05 ppm
Indium	In-AA	.05 ppm
Iron	Fe-I	.005%
	Fe_2O_3-XR	.04 %

Element	Element/Method Code	Lower limit of determination
Lanthanum	La-I	2 ppm
Lead	Pb-I	4 ppm
Lithium	Li-I	2 ppm
Magnesium	Mg-I	.005 %
	MgO-XR	.10 %
Manganese	Mn-I	4 ppm
	MnO-XR	.01 %
Mercury	Hg-CV	.02 ppm
Molybdenum	Mo-I	2 ppm
Neodymium	Nd-I	4 ppm
Niobium	Nb-I	4 ppm
Nickel	Ni-I	2 ppm
Phosphorus	P-I	.005%
	P_2O_5-XR	.05%
Potassium	K-I	.05 %
	K_2O-XR	.02 %
Scandium	Sc-I	2 ppm
Selenium	Se-H	.1 ppm
Silicon	SiO_2-XR	.1 %
Silver	Ag-I	2 ppm
Sodium	Na-I	.005%
	Na_2O-XR	.15 %
Strontium	Sr-I	2 ppm
Sulfur	S-IR	.01%
Tellurium	Te-AA	.05 ppm
Thallium	Tl-AA	.05 ppm

Element	Element/Method Code	Lower limit of determination
Thorium	Th-DN	3 ppm[2]
Titanium	Ti-I	.005%
	TiO_2	.02 %
Uranium	U-DN	.2 ppm[1]
Vanadium	V-I	2 ppm
Ytterbium	Yb-I	1 ppm
Yttrium	Y-I	2 ppm
Zinc	Zn-I	2 ppm
Loss on ignition (925°C)	LOI-XR	.01 %

[2]Lower limit of determination depends on concentration, see text on DN technique p. 4.

Table 2.--Numbers of soil samples with qualified and unqualified values and minimum and maximum values found for each element.

Element	Number qualified	Number unqualified	Minimum unqualified value	Maximum unqualified value
Ag, ppm	388	9	2	17
Al, percent	0	397	1	9.8
As, ppm	0	397	1	73
B, ppm	22	375	0.4	590
Ba, ppm	0	397	89	1300
Be, ppm	4	393	1	2
C, percent	7	390	.01	7.65
Ca, percent	0	397	.7	17
Ce, ppm	0	397	8	98
Co, ppm	0	397	3	49
Cr, ppm	0	397	2	320
Cu, ppm	0	397	4	170
Eu, ppm	396	1	2	2
Fe, percent	0	397	.53	6.8
Ga, ppm	1	396	9	34
Hg, ppm	151	246	.02	140
K, percent	0	397	.57	3.7
La, ppm	0	397	5	46
Li, ppm	0	397	10	530
Mg, percent	0	397	.24	5.5
Mn, ppm	0	397	110	1500
Mo, ppm	301	96	2	21
Na, percent	0	397	.57	28

Element	Number qualified	Number unqualified	Minimum unqualified value	Maximum unqualified value
Nb, ppm	19	378	4	30
Nd, ppm	1	396	9	37
Ni, ppm	3	394	2	280
P, percent	0	397	.02	.19
Pb, ppm	2	395	4	150
S, percent	22	375	.01	1.7
Sb, ppm	0	397	.2	7.4
Sc, ppm	1	396	2	28
Se, ppm	96	301	.1	1.7
Sr, ppm	0	397	150	1700
Th, ppm	29	368	2.7	86
Ti, percent	0	397	.05	.87
U, ppm	22	375	.88	492
V, ppm	0	397	21	230
Y, ppm	0	397	2	27
Yb, ppm	27	370	1	3
Zn, ppm	0	397	15	250

Table 3.--Numbers of well core samples with qualified and unqualified values and minimum and maximum values found for each element.

Element	Number qualified	Number unqualified	Minimum unqualified value	Maximum unqualified value
Ag, ppm	90	1	5	5
Al, percent	0	91	6.5	8.9
As, ppm	0	91	1.7	21
B, ppm	4	87	0.4	32
Ba, ppm	0	91	610	1200
Be, ppm	0	91	1	2
C, percent	25	66	.01	3.44
Ca, percent	0	91	1.4	6.4
Cd, ppm	69	22	2	3
Ce, ppm	0	91	16	70
Co, ppm	0	91	3	16
Cr, ppm	0	91	2	60
Cu, ppm	0	91	4	43
Fe, percent	0	91	.53	6.3
Ga, ppm	0	91	13	21
Hg, ppm	39	52	.02	20
In, ppm	89	2	.1	.1
K, percent	0	91	2	3.3
La, ppm	0	91	10	38
Li, ppm	0	91	9	90
Mg, percent	0	91	.18	1.9
Mn, ppm	0	91	170	890
Mo, ppm	83	8	2	14

Element	Number qualified	Number unqualified	Minimum unqualified value	Maximum unqualified value
Na, percent	0	91	2	3
Nb, ppm	50	41	4	9
Nd, ppm	0	91	6	31
Ni, ppm	3	88	4	22
P, percent	0	91	.01	.14
Pb, ppm	0	91	11	43
S, percent	41	50	.01	.22
Sb, ppm	0	91	.4	2.0
Sc, ppm	0	91	3	14
Se, ppm	56	35	.1	.4
Sr, ppm	0	91	270	650
Te, ppm	36	55	.05	.25
Th, ppm	2	89	5.0	41
Ti, percent	0	91	.11	.47
Tl, ppm	0	91	.2	.75
U, ppm	0	91	1.83	60.4
V, ppm	0	91	15	160
Y, ppm	0	91	4	19
Yb, ppm	38	53	1	2
Zn, ppm	0	91	16	93
Al_2O_3, percent	0	47	12.5	16.6
CaO, percent	0	47	1.9	9.12
Fe_2O_3, percent	0	47	.66	8.67
K_2O, percent	0	47	2.53	3.94
MgO, percent	0	47	.31	3.11

Element	Number qualified	Number unqualified	Minimum unqualified value	Maximum unqualified value
MnO, percent	7	40	.02	.1
Na_2O, percent	0	47	2.52	3.88
P_2O_5, percent	1	46	.05	.34
SiO_2, percent	0	47	52.4	75.1
TiO_2, percent	0	47	.16	.8
Loss on ignition, 900°C	0	47	.54	9.48

Table 4.--Samples with rarely detected elements.

Soils			
Sample No.	Latitude	Longitude	Eu ppm-I
28043050	38 54 17	119 35 14	2.0

Wellcore					
Sample No.	Depth, ft.	Latitude	Longitude	Ag ppm-I	In ppm-AA
CHR-14	15-17' Core	38 18 49	119 11 23	5	--
CVR-2	10-12'Core	38 51 23	119 47 15	--	0.1
CVR-3	15-18'Cuttings	38 51 25	119 45 28	--	0.1

Table 5.--Total chemical analyses and locations of soil samples 0-12-inch (0-30 cm) depth from the Carson River basin, Nevada.

[Method codes, see Table 1. B, not detected or not determined. L, detected but below the limit of detection shown. H, matrix interference. %, percent. ppm, parts per million]

Sample No.	Latitude	Longitude	Ag ppm-I	Al %-I	As ppm-H	B ppm-XI	Ba ppm-I
01111	39 36 56	118 36 13	2L	7.0	16.0	33	910
01121	39 36 56	118 36 13	2L	7.9	6.3	6	830
01211	39 38 40	118 35 35	2L	7.2	21.0	130	690
02111	39 18 02	118 48 26	2L	8.1	15.0	35	910
02121	39 18 02	118 48 24	2L	8.6	19.0	34	910
02211	39 19 18	118 48 03	2L	8.4	13.0	30	940
03111	39 24 24	118 54 39	2L	7.9	10.0	6.5	1100
03121	39 24 24	118 54 41	2L	7.8	20.0	8.4	1000
03211	39 23 28	118 52 21	2L	8.3	19.0	10	970
04111	39 40 45	118 44 00	2L	7.2	32.0	190	680
04121	39 40 45	118 44 00	2L	6.5	31.0	32	960
04211	39 39 39	118 42 16	2L	7.7	16.0	260	890
05111	39 34 18	118 58 22	2L	8.2	6.4	0.6	970
05121	39 34 16	118 58 20	2L	7.4	5.3	0.6	1000
05211	39 34 11	118 56 11	2L	7.4	10.0	9.7	1000
06111	39 35 07	118 44 11	2L	7.6	3.6	8.7	940
06121	39 35 11	118 44 14	2L	8.6	28.0	160	910
06211	39 35 27	118 43 08	2L	8.3	9.1	5.4	870
07111	39 25 28	118 31 08	2L	7.8	19.0	17	850
07121	39 25 26	118 31 05	2L	8.1	8.4	1	940
07211	39 24 06	118 33 39	2L	7.9	6.3	1.1	1000
08111	39 27 03	118 38 13	2L	7.5	3.7	11	1000
08121	39 27 03	118 38 12	2L	7.7	8.7	60	920
08211	39 26 47	118 39 59	2L	7.1	26.0	100	620
09111	39 14 42	118 39 05	2L	8.0	33.0	220	840

Sample No.	Latitude	Longitude	Ag ppm-I	Al %-I	As ppm-H	B ppm-XI	Ba ppm-I
19121	39 14 42	118 39 05	2L	8.2	25.0	120	800
09211	39 13 40	118 40 13	2L	7.4	3.2	1.2	1000
10111	38 54 56	119 42 01	2L	8.3	8.8	1.1	1000
10121	38 54 54	119 42 02	2L	8.3	8.8	0.5	1100
10211	38 56 54	119 41 22	2L	8.0	5.3	0.4	940
11111	38 58 35	119 43 55	2L	8.5	15.0	1.8	980
11121	38 58 39	119 43 53	2L	8.3	12.0	1.7	1100
11211	38 59 29	119 45 33	2L	8.9	13.0	1.7	870
12111	38 56 46	119 50 01	2L	5.0	1.7	1.2	650
12121	38 56 42	119 50 07	2L	4.4	3.5	3.6	560
12211	38 55 39	119 50 20	2L	7.4	1.8	0.9	640
13111	39 00 20	119 45 23	2L	8.0	7.5	2.1	870
13121	39 00 19	119 45 30	2L	7.5	7.5	1.6	960
13211	39 01 59	119 44 36	2L	7.0	4.7	0.4	1000
14111	39 12 54	119 33 46	2L	8.7	6.7	1.5	890
14121	39 12 50	119 33 46	2L	8.4	5.8	1.2	860
14211	39 13 24	119 32 34	2L	8.8	3.9	0.9	910
15111	39 17 17	119 31 08	2L	8.3	11.0	1.7	870
15121	39 17 17	119 30 53	6	8.5	10.0	1.7	850
15211	39 18 04	119 30 17	2L	7.9	3.3	.4L	920
16111	39 21 43	119 24 43	2L	8.9	7.3	1	1000
16121	39 21 39	119 24 43	2L	9.1	9.3	.4L	950
16211	39 20 03	119 22 56	2L	8.4	17.0	7.2	730
17111	39 24 03	119 18 33	2L	9.0	6.9	0.7	870
17121	39 23 58	119 18 32	2L	9.1	5.3	0.6	890
17211	39 22 54	119 17 38	2L	8.1	12.0	0.9	820
18111	39 18 53	119 11 22	3	8.1	7.8	8.4	850
18121	39 18 47	119 11 38	2L	7.7	6.6	4	870
18211	39 18 08	119 12 07	2L	8.4	11.0	50	850
19111	39 40 44	119 07 25	2L	8.8	28.0	86	890

Sample No.	Latitude	Longitude	Ag ppm-I	Al %-I	As ppm-H	B ppm-XI	Ba ppm-I
19121	39 40 41	119 07 23	2L	9.0	32.0	79	860
19211	39 39 57	119 08 27	2L	7.8	50.0	96	250
20111	39 37 24	119 15 21	2L	8.2	7.0	1.2	870
20121	39 37 24	119 15 16	2L	8.2	6.3	1.1	880
20211	39 35 45	119 14 58	2L	9.2	13.0	1.2	870
21111	39 13 34	118 36 15	2L	7.7	3.6	0.7	970
21121	39 13 34	118 36 15	2L	7.2	4.6	1.2	970
21211	39 13 48	118 35 48	2L	7.5	3.4	1	950
22111	39 49 11	118 25 45	2L	6.5	16.0	150	660
22121	39 49 12	118 25 44	2L	6.6	15.0	180	640
22211	39 48 35	118 25 14	2L	6.6	16.0	170	650
25542900	38 46 08	119 49 19	2L	7.9	1.0	0.6	990
25542950	38 46 29	119 49 20	2L	7.6	2.0	1.1	930
25543050	38 54 13	119 49 50	2L	7.2	2.1	0.4	790
25543150	38 57 27	119 49 59	2L	8.2	7.0	1.6	860
25543200	39 00 29	119 50 15	2L	7.8	3.5	0.9	640
25543250	39 03 57	119 50 07	2L	8.8	4.1	.4L	1300
25543300	39 05 16	119 50 10	2L	7.7	3.4	0.8	700
26042900	38 46 16	119 46 54	2L	8.3	2.4	0.6	1200
26042950	38 48 10	119 46 50	2L	6.5	3.3	1.9	810
26043000	38 51 23	119 47 15	2L	7.8	5.2	0.8	1000
26043050	38 52 56	119 48 30	2L	7.6	7.6	4	640
26043100	38 54 41	119 49 11	2L	6.4	4.2	1.7	500
26043150	38 58 42	119 46 56	2L	8.0	9.1	1.8	970
26043200	39 00 48	119 49 34	2L	8.8	13.0	1.3	950
26043250	39 02 59	119 47 52	2L	7.6	3.4	4.7	900
26043300	39 06 02	119 47 21	2L	8.0	1.1	0.4	1100
26043350	39 10 11	119 46 57	2L	7.7	5.9	.4L	740
26043400	39 11 06	119 47 01	2L	7.7	3.0	0.6	610
26542950	38 47 49	119 44 43	2L	8.6	4.0	1	1200

Sample No.	Latitude	Longitude	Ag ppm-I	Al %-I	As ppm-H	B ppm-XI	Ba ppm-I
26543000	38 51 25	119 45 28	2L	7.5	4.4	0.8	920
26543050	38 52 39	119 44 15	2L	7.5	2.7	0.8	1100
26543100	38 55 14	119 44 17	2L	8.6	16.0	1.1	860
26543250	39 03 24	119 45 03	2L	7.6	8.0	0.9	880
26543300	39 06 48	119 44 45	2L	8.3	3.3	0.4	1100
26543350	39 09 44	119 44 28	2L	7.6	7.7	1.5	770
26543400	39 11 51	119 44 58	2L	8.1	3.1	1.7	950
27043000	38 50 41	119 42 15	2L	8.7	14.0	1	970
27043050	38 53 29	119 42 08	2L	8.7	14.0	1.1	1200
27043150	38 58 21	119 41 09	2L	8.2	6.7	0.7	1100
27043200	39 01 17	119 41 07	2L	7.8	6.8	0.7	1100
27043250	39 03 37	119 41 50	2L	7.4	10.0	0.5	1100
27043300	39 06 34	119 42 09	2L	7.2	2.8	0.5	880
27043350	39 09 17	119 43 07	2L	8.1	7.2	6.7	910
27043400	39 11 47	119 40 47	2L	8.2	5.2	0.4	790
27043450	39 13 59	119 40 20	2L	9.3	5.6	0.8	440
27543050	38 54 12	119 37 48	2L	8.4	8.4	1.4	870
27543100	38 56 10	119 37 50	2L	8.2	6.1	0.5	1100
27543150	38 59 04	119 38 19	2L	8.1	4.3	0.6	990
27543200	39 01 01	119 37 56	2L	7.9	6.5	0.8	1200
27543201	39 01 05	119 36 43	2L	8.6	8.2	0.7	1000
27543250	39 03 09	119 37 39	2L	8.4	7.2	1.1	1000
27543400	39 12 53	119 38 01	2L	8.9	6.2	0.6	560
27543450	39 13 53	119 38 36	2L	9.4	11.0	0.6	690
28043050	38 54 17	119 35 14	2L	7.9	26.0	0.7	830
28043100	38 56 03	119 35 22	2L	8.1	4.7	0.9	1000
28043150	38 59 06	119 35 23	2L	8.7	8.4	1.2	1000
28043450	39 16 10	119 33 59	5	7.6	6.5	1.6	800
28043451	39 15 12	119 34 34	2L	8.4	8.7	1	1100
28043500	39 16 34	119 34 23	2L	9.4	5.6	0.7	840

Sample No.	Latitude	Longitude	Ag ppm-I	Al %-I	As ppm-H	B ppm-XI	Ba ppm-I
28543400	39 13 20	119 31 59	2L	8.3	2.9	1	840
28543450	39 16 05	119 31 34	2L	7.5	3.3	0.9	960
28543550	39 19 46	119 30 40	2L	9.6	5.2	1	780
29043500	39 17 34	119 27 23	6	8.6	11.0	2	860
29043550	39 20 21	119 28 54	2L	9.2	7.9	0.4	660
29043600	39 22 12	119 26 52	2L	8.6	11.0	.4L	750
29543500	39 17 16	119 23 04	13	8.0	9.1	1.8	800
29543600	39 23 11	119 23 55	2L	8.8	10.0	3.5	870
30043500	39 18 04	119 21 30	2L	8.4	12.0	14	890
30043550	39 21 14	119 21 29	2L	8.6	4.9	1	880
30043600	39 22 59	119 21 09	2L	9.0	5.3	0.9	760
30043650	39 24 56	119 19 35	2L	8.9	14.0	1.5	840
30543500	39 17 23	119 16 36	13	7.7	12.0	4.5	770
30543550	39 21 49	119 18 08	2L	8.3	16.0	0.9	850
30543551	39 20 50	119 16 58	2L	8.5	73.0	1.7	640
30543650	39 25 19	119 16 46	2L	9.1	7.4	0.8	890
30543850	39 36 57	119 16 30	2L	8.1	7.2	0.7	860
31043450	39 16 41	119 13 19	2L	8.1	3.8	1	990
31043500	39 18 17	119 13 36	2L	8.0	4.4	3.7	970
31043550	39 20 17	119 13 29	2L	8.4	12.0	0.7	850
31043600	39 23 05	119 14 26	2L	8.3	12.0	0.7	890
31043650	39 25 18	119 14 01	2L	8.8	7.1	0.9	850
31043800	39 35 15	119 13 06	2L	9.0	13.0	7.5	890
31043900	39 39 02	119 14 33	2L	8.3	4.7	0.6	880
31543450	39 16 33	119 09 59	2L	9.2	28.0	3.7	1000
31543550	39 21 00	119 10 30	2L	7.9	4.3	0.5	1100
31543600	39 23 25	119 10 59	2L	6.6	8.3	1.5	810
31543650	39 25 25	119 10 26	2L	8.4	9.2	3.6	1000
31543800	39 34 57	119 10 29	2L	9.0	8.8	1.2	740
31543850	39 36 43	119 10 48	2L	8.1	6.5	1.6	860

Sample No.	Latitude	Longitude	Ag ppm-I	Al %-I	As ppm-H	B ppm-XI	Ba ppm-I
31543900	39 39 09	119 09 38	2L	8.8	21.0	25	910
32043450	39 16 08	119 06 56	2L	8.9	21.0	7	1000
32043500	39 18 52	119 08 11	2L	8.0	4.9	2.2	1100
32043550	39 22 15	119 07 55	2L	7.2	4.9	0.5	960
32043551	39 20 31	119 06 31	2L	7.8	3.8	1.4	900
32043600	39 24 07	119 06 16	2L	7.4	8.2	1	890
32043650	39 26 12	119 06 53	2L	8.8	6.3	0.7	1000
32043800	39 34 47	119 06 33	2L	8.4	11.0	1	820
32043850	39 36 54	119 06 13	2L	8.7	20.0	110	790
32043950	39 41 24	119 06 25	2L	7.3	33.0	43	680
32543450	39 16 36	119 03 33	2L	8.8	28.0	14	280
32543500	39 18 16	119 03 35	2L	8.8	18.0	10	1100
32543550	39 20 10	119 04 49	2L	9.2	13.0	1.8	1000
32543600	39 24 26	119 04 50	2L	7.6	6.6	0.9	940
32543601	39 22 52	119 05 19	2L	7.7	6.3	0.9	920
32543650	39 25 39	119 03 03	2L	7.6	11.0	0.8	1000
32543701	39 28 04	119 02 59	2L	7.2	7.1	1.2	1000
32543750	39 32 04	119 02 55	2L	8.1	12.0	0.9	900
32543800	39 33 51	119 03 50	2L	8.8	15.0	67	850
32543850	39 37 38	119 05 22	2L	8.6	26.0	0	720
32543900	39 40 41	119 04 51	2L	7.6	19.0	0	760
32543950	39 43 03	119 03 35	2L	8.0	12.0	72	1200
32544000	39 44 20	119 03 26	2L	8.0	20.0	45	920
32544050	39 49 04	119 03 23	2L	8.6	13.0	15	980
32544100	39 50 03	119 03 15	2L	8.5	15.0	0.7	900
33043500	39 19 23	119 01 14	2L	7.9	6.3	1.3	1000
33043550	39 20 05	119 01 22	2L	7.7	7.1	3.3	1100
33043650	39 26 46	118 59 18	2L	6.7	10.0	0.8	920
33043651	39 26 29	119 00 21	2L	7.7	11.0	1	920
33043700	39 29 28	118 59 21	5	7.9	9.5	5	890

Sample No.	Latitude	Longitude	Ag ppm-I	Al %-I	As ppm-H	B ppm-XI	Ba ppm-I
33043701	39 28 36	119 00 35	2L	8.8	15.0	18	900
33043750	39 32 23	119 00 30	2L	8.6	23.0	55	900
33043800	39 34 48	119 00 27	2L	7.2	12.0	34	750
33043850	39 36 25	118 59 05	2L	7.8	15.0	26	790
33043851	39 37 16	118 59 15	2L	9.2	9.1	0.6	1000
33043950	39 43 55	119 01 50	2L	8.4	20.0	100	930
33044000	39 44 58	119 00 20	2L	7.9	12.0	1	970
33044050	39 48 26	119 01 09	2L	7.6	66.0	46	260
33044100	39 49 55	119 01 56	2L	8.4	10.0	1.2	850
33543550	39 21 37	118 55 50	2L	7.9	6.7	0.8	960
33543600	39 23 46	118 55 52	2L	7.4	17.0	3.2	880
33543650	39 26 29	118 57 12	2L	9.2	17.0	3.5	1000
33543700	39 28 20	118 57 43	2L	9.2	17.0	11	690
33543750	39 32 22	118 57 30	2L	7.9	4.9	1	920
33543850	39 37 49	118 57 14	2L	8.3	41.0	60	790
33543900	39 39 20	118 56 51	2L	8.5	7.5	0.6	890
33544000	39 45 04	118 57 23	2L	8.1	14.0	3.5	860
34043450	39 15 43	118 51 54	2L	8.8	50.0	16	980
34043650	39 26 00	118 53 17	2L	8.7	17.0	0.4	950
34043651	39 27 42	118 52 07	2L	7.5	4.6	2.4	970
34043700	39 28 36	118 54 16	2L	8.4	56.0	64	870
34043701	39 29 26	118 53 30	2L	8.3	7.9	1.9	900
34043702	39 28 29	118 52 00	2L	7.9	7.5	2.2	950
34043750	39 32 24	118 53 53	2L	7.7	4.4	0.6	980
34043800	39 34 38	118 53 32	2L	7.5	4.5	0.6	970
34043850	39 37 28	118 52 37	2L	7.4	5.9	0.7	1300
34043900	39 40 42	118 53 50	2L	7.4	26.0	8	600
34043950	39 42 15	118 54 34	2L	8.1	12.0	1.1	980
34543450	39 16 01	118 49 13	2L	8.0	7.2	3.3	930
34543550	39 21 52	118 50 02	2L	8.2	20.0	16	580

Sample No.	Latitude	Longitude	Ag ppm-I	Al %-I	As ppm-H	B ppm-XI	Ba ppm-I
34543600	39 24 09	118 50 29	2L	8.0	3.9	0.6	1000
34543601	39 24 39	118 48 04	6	7.5	9.7	6.4	870
34543650	39 26 29	118 50 16	2L	7.6	6.6	1.2	1000
34543700	39 29 16	118 49 54	2L	7.7	6.3	1.3	1000
34543701	39 28 17	118 50 10	2L	8.1	4.5	0.9	890
34543702	39 30 38	118 51 22	2L	8.0	5.2	5.4	910
34543750	39 32 17	118 49 41	2L	7.8	6.5	2.6	790
34543800	39 35 03	118 50 05	2L	8.0	14.0	14	1100
34543850	39 37 18	118 49 26	2L	8.2	10.0	14	510
34543900	39 40 49	118 49 40	2L	8.8	18.0	40	890
34543901	39 41 13	118 51 22	2L	7.4	10.0	50	910
34543950	39 41 37	118 49 13	2L	8.4	15.0	27	840
34543951	39 42 45	118 51 26	2L	7.4	14.0	6.5	820
35043450	39 15 37	118 46 33	2L	7.8	8.2	13	1000
35043451	39 17 02	118 46 17	2L	8.2	9.2	3.1	1000
35043500	39 18 50	118 46 11	2L	8.3	12.0	6.5	880
35043550	39 21 07	118 45 55	2L	8.4	15.0	3.6	880
35043600	39 23 53	118 45 29	2L	8.5	7.9	1.3	950
35043601	39 24 58	118 44 48	2L	8.4	6.6	17	870
35043602	39 25 04	118 45 08	2L	8.3	6.8	1.1	870
35043650	39 26 35	118 46 00	2L	8.0	6.6	0	910
35043651	39 26 42	118 47 09	2L	8.5	9.2	4	870
35043700	39 29 39	118 46 33	2L	7.1	5.2	0.8	1000
35043750	39 31 51	118 46 56	2L	7.3	10.0	44	1100
35043800	39 34 54	118 45 29	2L	8.3	13.0	92	940
35043850	39 37 23	118 45 35	2L	7.7	10.0	69	840
35043851	39 38 21	118 45 39	2L	7.8	4.6	47	680
35043900	39 40 19	118 47 44	2L	8.1	6.8	28	470
35043901	39 40 53	118 45 55	2L	8.8	27.0	68	740
35043902	39 40 03	118 45 49	2L	8.5	3.2	97	440

Sample No.	Latitude	Longitude	Ag ppm-I	Al %-I	As ppm-H	B ppm-XI	Ba ppm-I
35043903	39 39 03	118 45 42	2L	8.6	6.2	74	480
35043950	39 42 33	118 46 35	2L	7.3	36.0	0	870
35044000	39 45 40	118 45 54	2L	6.0	24.0	200	920
35044050	39 48 25	118 47 57	2L	6.1	29.0	170	760
35044100	39 50 27	118 45 49	2L	5.1	13.0	130	860
35543400	39 13 57	118 41 47	2L	7.6	9.8	3.9	820
35543450	39 16 45	118 41 05	2L	8.4	11.0	13	1000
35543451	39 15 07	118 41 06	2L	7.5	29.0	76	830
35543500	39 17 56	118 43 13	2L	8.3	16.0	50	790
35543501	39 17 10	118 44 15	2L	8.5	18.0	53	780
35543550	39 21 49	118 42 36	2L	7.7	7.6	12	990
35543600	39 23 58	118 42 15	2L	7.8	6.4	6.4	1200
35543601	39 23 27	118 42 45	2L	7.8	10.0	29	830
35543650	39 27 09	118 43 45	2L	8.1	30.0	52	970
35543700	39 30 01	118 43 14	2L	7.1	7.7	6.1	1000
35543701	39 28 42	118 42 54	2L	7.7	7.8	1.3	1000
35543750	39 32 11	118 42 31	2L	7.2	4.9	1.2	1000
35543801	39 34 58	118 43 11	2L	8.1	6.5	39	830
35543850	39 38 01	118 42 43	2L	7.0	33.0	180	910
35543950	39 43 54	118 43 24	2L	7.8	9.9	24	880
35544050	39 49 01	118 43 42	2L	6.9	34.0	65	740
35544100	39 50 34	118 42 44	2L	6.9	26.0	110	220
36043450	39 16 38	118 39 26	2L	7.8	26.0	4.9	850
36043500	39 18 58	118 39 46	2L	8.2	16.0	18	790
36043501	39 18 18	118 38 04	2L	7.5	9.9	22	970
36043550	39 20 59	118 39 44	2L	8.2	13.0	63	800
36043551	39 21 45	118 37 46	2L	8.0	23.0	250	660
36043600	39 24 52	118 37 50	2L	7.7	17.0	84	530
36043601	39 24 05	118 39 46	2L	7.9	12.0	30	800
36043700	39 29 08	118 38 51	2L	8.5	15.0	16	1000

Sample No.	Latitude	Longitude	Ag ppm-I	Al %-I	As ppm-H	B ppm-XI	Ba ppm-I
36043701	39 28 25	118 39 50	2L	8.0	4.2	1.5	930
36043702	39 30 03	118 40 20	2L	8.4	6.7	3.3	990
36043750	39 31 58	118 38 55	2L	8.4	19.0	44	900
36043800	39 35 15	118 39 51	2L	7.8	4.7	11	990
36043850	39 37 52	118 39 46	2L	7.4	20.0	170	850
36043900	39 39 36	118 40 23	17	7.9	13.0	6.3	840
36043901	39 41 23	118 38 38	2L	7.9	6.9	2.9	960
36043950	39 43 04	118 38 53	2L	7.8	6.2	15	940
36043951	39 42 36	118 39 11	2L	7.6	12.0	13	800
36044050	39 49 25	118 40 40	2L	6.6	25.0	57	700
36044100	39 51 01	118 40 46	2L	5.7	19.0	250	840
36044150	39 52 14	118 38 48	2L	6.3	29.0	100	920
36543450	39 15 19	118 36 22	2L	7.5	4.9	0.8	1000
36543451	39 16 20	118 36 59	2L	7.9	21.0	49	860
36543500	39 19 08	118 34 42	2L	7.7	15.0	200	840
36543550	39 21 44	118 35 43	2L	7.3	11.0	590	800
36543600	39 24 16	118 35 59	2L	7.3	4.5	1	920
36543650	39 27 23	118 36 02	2L	8.3	21.0	84	540
36543700	39 29 30	118 35 38	2L	8.9	19.0	5	790
36543701	39 29 02	118 35 32	2L	8.0	8.8	8.8	840
36543750	39 32 26	118 36 11	2L	7.8	5.1	1.6	940
36543800	39 35 21	118 36 28	2L	7.9	6.6	56	270
36543900	39 40 14	118 36 57	2L	7.8	15.0	99	820
36543950	39 42 10	118 37 06	2L	7.4	8.1	29	940
36544100	39 51 04	118 38 13	2L	7.1	32.0	230	710
36544101	39 52 10	118 36 39	2L	5.5	20.0	130	540
36544150	39 53 31	118 35 59	2L	5.9	34.0	0	630
37043450	39 16 39	118 30 50	2L	7.8	4.8	1.1	940
37043500	39 18 20	118 32 17	2L	6.6	8.4	310	740
37043550	39 21 32	118 31 20	2L	7.9	6.0	15	930

Sample No.	Latitude	Longitude	Ag ppm-I	Al %-I	As ppm-H	B ppm-XI	Ba ppm-I
37043551	39 21 17	118 32 59	2L	7.0	15.0	200	750
37043601	39 23 27	118 31 50	2L	7.0	13.0	18	920
37043650	39 27 42	118 32 16	2L	7.3	10.0	94	1200
37043651	39 26 38	118 33 39	2L	7.4	25.0	78	680
37043700	39 29 42	118 32 07	2L	7.0	16.0	200	790
37043750	39 32 35	118 32 56	2L	8.6	20.0	4.6	780
37043751	39 30 52	118 33 35	2L	8.9	16.0	9	880
37043800	39 34 42	118 33 07	2L	9.8	22.0	12	930
37043850	39 38 09	118 31 47	2L	7.8	9.7	49	860
37043851	39 36 52	118 31 36	2L	7.0	14.0	71	790
37043852	39 36 38	118 32 22	2L	8.0	19.0	17	680
37043853	39 36 35	118 31 33	2L	7.1	22.0	50	440
37043900	39 40 32	118 32 24	2L	7.7	34.0	110	760
37043950	39 42 01	118 32 28	2L	7.2	11.0	120	810
37044150	39 54 43	118 34 19	2L	5.6	45.0	0	490
37044151	39 54 12	118 32 06	2L	6.5	16.0	210	790
37044200	39 55 49	118 32 21	2L	6.0	37.0	110	830
37543350	39 10 50	118 26 58	2L	7.9	7.2	0.5	1000
37543400	39 14 13	118 29 02	2L	8.5	5.5	18	870
37543401	39 12 57	118 27 55	2L	8.1	3.9	0.6	960
37543450	39 15 49	118 29 30	2L	6.6	9.0	230	850
37543451	39 15 45	118 27 11	2L	1.0	4.9	0	89
37543500	39 18 36	118 28 43	2L	6.7	16.0	26	790
37543501	39 17 45	118 28 37	2L	7.2	8.5	170	860
37543550	39 21 13	118 29 29	2L	7.8	3.4	0.8	1000
37543600	39 23 13	118 29 47	2L	7.6	4.2	1.6	970
37543650	39 27 08	118 30 09	2L	8.0	5.3	1	990
37543700	39 30 03	118 29 22	2L	7.7	8.6	7.6	1200
37543750	39 32 25	118 28 53	2L	7.0	13.0	73	980
37543751	39 32 37	118 30 24	2L	7.7	21.0	130	230

Sample No.	Latitude	Longitude	Ag ppm-I	Al %-I	As ppm-H	B ppm-XI	Ba ppm-I
37543800	39 35 36	118 28 43	2L	7.6	13.0	12	790
37543850	39 37 35	118 29 26	2L	6.4	16.0	42	710
37543851	39 37 12	118 30 34	2L	6.8	14.0	38	760
37543852	39 37 40	118 29 53	2L	6.3	23.0	41	670
37543853	39 36 32	118 29 38	2L	7.0	22.0	21	660
37543900	39 40 51	118 27 47	2L	6.5	14.0	73	710
37543901	39 39 53	118 29 28	2L	6.5	15.0	58	790
37543950	39 42 17	118 30 07	2L	6.1	9.0	110	720
37544150	39 53 55	118 29 50	2L	6.8	17.0	200	760
37544200	39 55 59	118 28 35	2L	5.9	16.0	0	610
38043350	39 11 58	118 24 57	2L	8.1	3.8	1.2	960
38043400	39 14 16	118 24 27	2L	8.3	5.0	0.8	970
38043450	39 15 28	118 24 28	2L	8.1	4.7	0.8	1200
38043451	39 16 55	118 26 08	2L	6.3	16.0	330	710
38043500	39 18 46	118 25 48	2L	7.6	4.4	0.8	980
38043750	39 32 50	118 25 29	2L	7.9	9.5	4.4	1000
38043800	39 35 42	118 25 13	2L	7.7	18.0	55	860
38043850	39 37 25	118 25 52	2L	6.9	18.0	73	780
38043900	39 41 20	118 24 55	2L	6.9	15.0	120	810
38043901	39 39 07	118 27 29	2L	6.8	13.0	42	730
38043950	39 42 55	118 24 33	2L	7.8	3.8	27	910
38044000	39 46 14	118 25 08	2L	6.6	13.0	160	640
38044100	39 50 53	118 25 36	2L	6.4	17.0	200	620
38044150	39 54 20	118 26 20	2L	6.2	20.0	0	670
38044200	39 56 33	118 26 29	2L	5.9	15.0	240	720
38044250	39 58 19	118 25 56	2L	7.0	16.0	120	870
38543800	39 35 21	118 22 09	2L	7.0	15.0	29	1100
38543850	39 38 15	118 23 16	2L	6.3	44.0	65	950
38543900	39 39 59	118 21 09	2L	7.2	21.0	41	770
38544000	39 46 57	118 22 13	2L	6.1	12.0	170	660

Sample No.	Latitude	Longitude	Ag ppm-I	Al %-I	As ppm-H	B ppm-XI	Ba ppm-I
38544050	39 48 59	118 22 07	2L	6.6	20.0	150	640
38544100	39 51 59	118 21 50	2L	7.4	16.0	0	760
38544150	39 53 53	118 22 21	2L	6.9	18.0	350	660
38544200	39 56 35	118 22 52	2L	6.7	15.0	300	770
38544250	39 59 07	118 22 05	2L	6.0	13.0	0	530
39043850	39 37 59	118 20 02	2L	7.1	15.0	31	970
39043900	39 41 01	118 19 53	2L	7.5	19.0	0	480
39043950	39 42 58	118 18 58	2L	6.4	11.0	0	1000
39044000	39 45 41	118 19 07	2L	6.0	15.0	190	690
39044050	39 49 05	118 18 35	2L	5.6	18.0	160	730
39044051	39 48 31	118 20 30	2L	5.8	11.0	160	720
39044100	39 51 45	118 18 52	2L	6.0	14.0	210	680
39044150	39 53 53	118 19 22	2L	5.3	6.8	0	740
39044200	39 56 35	118 18 53	2L	6.1	11.0	0	740
39044250	39 59 07	118 18 22	2L	6.1	8.5	0	580
39044300	40 01 43	118 19 01	2L	7.0	21.0	6	810
39543950	39 44 37	118 17 04	2L	7.8	21.0	40	780
39544000	39 46 47	118 15 48	2L	8.0	17.0	24	800
39544050	39 48 59	118 16 26	2L	6.4	9.4	96	830
39544051	39 50 00	118 13 47	2L	7.0	42.0	2.6	930
39544100	39 51 36	118 15 46	2L	6.9	8.6	95	730
39544101	39 50 41	118 14 34	2L	7.6	21.0	3.4	620
39544150	39 54 30	118 16 15	2L	6.2	12.0	130	750
39544200	39 56 43	118 15 57	2L	5.6	16.0	0	730
39544250	39 59 59	118 16 05	2L	6.4	9.1	140	770
39544300	40 02 41	118 16 02	2L	7.2	18.0	17	830
39544350	40 05 09	118 16 02	2L	7.7	16.0	19	730
39544351	40 05 09	118 17 11	2L	8.1	9.6	5.9	720
39544400	40 07 51	118 16 04	2L	7.8	13.0	2.8	860
39544450	40 09 30	118 14 27	2L	6.0	47.0	8	690

Sample No.	Latitude	Longitude	Ag ppm-I	Al %-I	As ppm-H	B ppm-XI	Ba ppm-I
40044100	39 52 42	118 13 13	2L	7.9	11.0	30	830
40044150	39 54 20	118 13 09	2L	8.1	7.0	3.7	980
40044200	39 56 01	118 12 32	2L	8.3	7.3	9.4	960
40044250	39 59 47	118 11 15	2L	8.0	11.0	42	740
40044251	39 58 18	118 12 31	2L	7.5	13.0	18	780
40044300	40 02 08	118 11 15	2L	6.8	19.0	8.6	950
40044301	40 02 48	118 13 30	2L	7.2	18.0	21	1000
40044350	40 05 09	118 12 25	2L	7.4	11.0	14	820
40044400	40 08 32	118 11 49	2L	7.3	31.0	2.3	380
40044401	40 06 28	118 10 58	2L	7.2	13.0	100	760
40044402	40 07 29	118 11 34	2L	7.2	24.0	2.4	510
40044450	40 09 30	118 13 04	2L	7.6	31.0	14	680

Table 5.--Continued.

Sample No.	Be ppm-I	C %-IR	Ca %-I	Ce ppm-I	Co ppm-I	Cr ppm-I	Cu ppm-I
01111	2	2.26	8.6	46	16	28	27
01121	2	0.25	2.7	37	8	27	19
01211	2	1.7	6.2	46	14	31	40
02111	2	0.64	3.4	53	15	32	33
02121	2	0.32	2.3	64	18	36	47
02211	2	0.4	2.6	56	14	24	36
03111	2	0.24	2.3	43	10	18	23
03121	2	0.31	2.2	41	11	17	25
03211	2	0.29	2.0	54	12	25	30
04111	2	1.65	6.1	47	16	48	43
04121	1	2.98	9.3	62	14	32	35
04211	2	1.51	5.2	56	18	42	40
05111	2	0.02	2.5	34	8	22	10
05121	2	.01L	2.1	35	8	15	15
05211	2	0.06	1.9	37	9	17	22
06111	2	0.24	2.7	41	7	16	13
06121	2	0.16	2.3	51	14	29	36
06211	2	0.68	3.1	40	11	23	18
07111	2	0.8	3.9	51	16	36	31
07121	2	0.37	3.6	34	8	27	12
07211	2	0.32	3.1	32	7	16	7
08111	1	0.65	4.0	40	8	17	20
08121	2	0.24	2.7	36	8	21	16
08211	2	1.33	5.5	49	15	26	42
09111	2	0.6	3.0	56	17	28	43
09121	2	0.64	3.0	58	17	28	42
09211	2	.01L	1.7	30	4	12	6
10111	1	0.68	2.4	52	18	50	29
10121	1	0.29	2.6	48	16	51	23
10211	2	0.19	2.0	48	12	44	22

Sample No.	Be ppm-I	C %-IR	Ca %-I	Ce ppm-I	Co ppm-I	Cr ppm-I	Cu ppm-I
11111	2	0.58	2.1	53	16	41	46
11121	2	0.39	2.1	45	14	26	28
11211	2	0.45	2.0	52	17	41	40
12111	1L	6.3	14.0	20	7	7	18
12121	1L	6.51	14.0	20	7	7	18
12211	1	0.82	2.3	54	9	10	14
13111	2	0.71	2.0	42	11	31	32
13121	1	0.38	1.9	42	11	25	26
13211	1	0.11	1.6	26	7	15	9
14111	2	0.4	2.2	53	15	40	32
14121	2	0.49	2.3	49	15	42	36
14211	2	0.38	2.7	47	17	40	26
15111	1	1.49	2.9	45	16	38	43
15121	1	1.33	2.7	41	18	34	81
15211	2	0.1	2.1	39	8	16	12
16111	1	0.13	3.2	47	16	45	18
16121	1	0.13	3.3	43	18	52	20
16211	2	0.1	2.2	61	19	36	53
17111	1	0.21	3.3	39	17	47	29
17121	2	0.24	3.5	50	18	50	30
17211	2	0.33	2.8	39	12	39	25
18111	1	2.05	3.2	41	15	31	32
18121	2	1.53	3.0	39	10	29	23
18211	2	0.75	3.3	42	11	28	24
19111	1	0.35	3.4	49	19	43	49
19121	1	0.22	2.7	49	19	34	52
19211	1	1.12	6.2	37	15	32	39
20111	1	0.33	4.0	35	14	37	19
20121	1	0.22	3.5	34	14	35	16
20211	1	0.33	4.2	42	18	46	24

Sample No.	Be ppm-I	C %-IR	Ca %-I	Ce ppm-I	Co ppm-I	Cr ppm-I	Cu ppm-I
21111	2	0.02	2.2	29	6	14	7
21121	2	0.11	2.2	32	5	12	7
21211	2	0.06	2.1	32	5	20	7
22111	1	1.24	4.7	26	14	38	25
22121	1	1.39	5.0	28	14	41	28
22211	1	1.33	4.7	27	14	40	28
25542900	1	2.38	1.6	36	6	9	10
25542950	1	2.86	1.9	37	6	10	12
25543050	2	0.61	1.1	33	4	2	19
25543150	1	3.18	2.5	53	16	39	38
25543200	1L	3.48	4.2	37	16	27	60
25543250	1	0.93	2.9	33	16	16	55
25543300	1	1.09	2.6	56	11	12	12
26042900	2	1.45	1.4	54	8	11	13
26042950	1	6.43	1.7	28	8	14	19
26043000	1	0.87	2.3	40	11	20	14
26043050	1	2.8	2.1	33	6	8	11
26043100	2	7.65	1.6	34	6	6	35
26043150	2	2.18	1.9	51	15	35	38
26043200	2	1.78	2.6	56	19	42	33
26043250	1	2.53	2.9	45	9	16	15
26043300	1	0.35	1.9	29	3	5	9
26043350	1	2.64	2.8	25	11	9	33
26043400	1	0.51	2.6	45	9	10	16
26542950	1	2.12	2.7	61	16	44	24
26543000	1	1.15	2.1	34	8	26	13
26543050	1	0.12	1.7	48	8	16	12
26543100	1	1.42	2.9	49	16	58	20
26543250	1	0.63	2.1	41	11	35	14
26543300	2	0.26	2.1	40	7	11	11

Sample No.	Be ppm-I	C %-IR	Ca %-I	Ce ppm-I	Co ppm-I	Cr ppm-I	Cu ppm-I
26543350	1	2.22	3.6	27	12	22	53
26543400	1	0.21	1.9	34	6	7	12
27043000	2	0.7	2.9	47	17	55	23
27043050	2	1.95	2.2	52	18	47	35
27043150	1	0.25	2.6	47	13	29	23
27043200	2	0.14	2.6	50	13	35	18
27043250	1	0.14	2.2	28	11	19	45
27043300	1	0.07	1.6	27	5	15	7
27043350	1	1.99	2.2	40	11	26	21
27043400	2	0.2	2.2	55	11	19	17
27043450	2	0.49	3.5	43	26	26	32
27543050	1	1.12	3.7	53	17	49	32
27543100	1	0.33	2.0	50	13	37	17
27543150	2	0.3	2.5	63	14	35	21
27543200	1	0.64	3.0	52	14	56	18
27543201	2	0.27	2.6	48	12	36	16
27543250	2	0.71	2.2	48	12	32	22
27543400	2	0.36	2.6	49	18	19	33
27543450	2	0.48	2.8	45	18	26	35
28043050	2	0.93	2.4	68	17	25	30
28043100	2	0.96	2.1	63	15	43	18
28043150	2	0.3	2.5	53	18	46	56
28043450	2	0.45	1.9	36	8	25	42
28043451	1	0.82	2.9	45	15	38	20
28043500	1	0.27	2.3	36	19	41	41
28543400	1	0.5	2.6	47	13	31	23
28543450	1	0.24	1.8	29	7	20	13
28543550	1	0.25	2.8	50	19	50	28
29043500	2	1.69	2.4	51	17	40	55
29043550	1	0.34	3.1	44	18	26	43

Sample No.	Be ppm-I	C %-IR	Ca %-I	Ce ppm-I	Co ppm-I	Cr ppm-I	Cu ppm-I
29043600	2	0	2.7	53	20	55	39
29543500	1	1.54	2.5	44	15	38	50
29543600	2	0.29	2.8	63	23	67	33
30043500	2	1.02	2.7	47	16	34	35
30043550	2	0.21	2.7	42	12	31	23
30043600	2	0.19	2.7	46	18	57	29
30043650	2	0.22	1.9	47	15	46	37
30543500	1	2.04	2.3	42	15	34	75
30543550	1	0.31	2.9	47	15	47	38
30543551	1	0.35	3.1	36	19	46	57
30543650	1	0.1	3.2	50	21	52	25
30543850	1	.01L	3.1	34	15	32	20
31043450	1	0.07	2.5	41	9	20	14
31043500	2	0.06	1.9	45	9	22	17
31043550	2	0.03	2.1	40	10	18	26
31043600	1	0.16	2.2	38	12	34	27
31043650	1	0.38	4.1	39	15	35	22
31043800	1	0.77	3.4	41	17	39	30
31043900	1	0.02	3.4	38	16	44	17
31543450	2	0.27	2.3	69	17	29	42
31543550	2	0.04	2.1	35	7	16	10
31543600	1	3.08	9.7	45	11	26	23
31543650	2	0.5	3.1	50	15	32	30
31543800	1	1.22	4.2	33	20	67	27
31543850	1	0.01	3.3	35	15	31	19
31543900	1	0.46	2.9	47	17	30	48
32043450	2	0.26	2.5	69	17	31	42
32043500	2	0.04	2.0	43	8	17	16
32043550	2	0.04	1.9	35	7	21	12
32043551	2	0.12	2.0	43	9	20	21

Sample No.	Be ppm-I	C %-IR	Ca %-I	Ce ppm-I	Co ppm-I	Cr ppm-I	Cu ppm-I
32043600	2	0.96	5.5	38	10	25	20
32043650	1	0.26	3.6	43	11	35	15
32043800	1	0.91	5.6	36	20	58	26
32043850	1	0.22	3.1	49	17	34	45
32043950	1	2.58	5.5	41	17	37	53
32543450	2	0.27	3.2	71	16	33	54
32543500	2	0.24	2.1	64	17	22	44
32543550	2	0.36	2.1	76	17	29	49
32543600	2	0.34	2.8	39	8	24	16
32543601	2	0.08	2.1	31	6	14	10
32543650	2	0.15	2.6	36	8	28	7
32543701	1	0.23	3.1	40	10	24	14
32543750	1	0.6	4.7	47	19	50	24
32543800	1	0.34	4.8	37	21	59	31
32543850	1	0.08	2.4	44	17	31	42
32543900	1	0.12	2.8	35	14	28	31
32543950	1	0.46	4.4	38	16	34	32
32544000	1	0.66	4.3	39	15	40	24
32544050	2	0.76	4.3	56	17	50	33
32544100	1	0.32	3.4	39	13	39	18
33043500	2	0.37	3.1	44	10	22	16
33043550	2	0.17	2.1	45	11	18	19
33043650	1	1.04	4.4	36	7	22	14
33043651	1	0.78	4.5	45	10	27	12
33043700	2	0.64	2.6	37	10	30	27
33043701	2	.01L	2.1	60	15	29	36
33043750	2	0.41	2.6	60	18	35	47
33043800	1	0.36	3.0	50	18	35	37
33043850	1	0.54	4.0	38	17	35	25
33043851	1	0.26	4.6	43	15	40	19

Sample No.	Be ppm-I	C %-IR	Ca %-I	Ce ppm-I	Co ppm-I	Cr ppm-I	Cu ppm-I
33043950	1	0.16	4.0	34	13	33	19
33044000	1	0.25	4.0	39	15	37	15
33044050	1	0.67	6.1	42	13	37	31
33044100	1	0.08	3.0	40	14	46	24
33543550	2	0.14	2.3	36	8	14	12
33543600	2	0.39	2.9	39	10	26	18
33543650	2	0.05	2.2	69	17	31	38
33543700	2	0.09	2.4	70	16	27	44
33543750	2	0.04	2.3	35	6	18	8
33543850	1	0.24	2.5	45	17	38	41
33543900	1	0.22	4.1	37	15	43	17
33544000	1	0.34	4.4	45	18	57	20
34043450	2	0.26	2.9	61	15	29	40
34043650	2	0.49	3.3	55	14	25	33
34043651	2	0.72	2.3	32	7	19	8
34043700	2	0.38	2.8	59	16	29	39
34043701	2	0.66	2.7	45	12	35	19
34043702	2	0.74	2.5	38	10	26	19
34043750	2	.01L	2.1	32	6	18	8
34043800	2	.01L	2.1	32	7	12	4
34043850	1	0.01	1.9	32	8	23	8
34043900	1	0.96	4.7	44	15	31	36
34043950	1	0.5	4.8	35	14	37	15
34543450	2	1.58	6.3	51	13	29	26
34543550	2	0.16	3.1	45	13	24	27
34543600	2	0.05	2.0	34	6	11	9
34543601	2	2.84	2.9	37	10	25	36
34543650	2	0.46	2.6	35	8	14	12
34543700	2	0.33	2.2	38	8	15	17
34543701	2	0.64	2.7	37	8	22	15

Sample No.	Be ppm-I	C %-IR	Ca %-I	Ce ppm-I	Co ppm-I	Cr ppm-I	Cu ppm-I
34543702	2	0.31	2.6	36	11	37	13
34543750	2	0.12	2.3	45	9	28	9
34543800	2	0.12	2.5	44	10	24	18
34543850	1	0.27	5.1	44	38	230	50
34543900	2	0.33	3.1	59	18	37	40
34543901	1	0.15	3.1	32	15	39	17
34543950	1	0.2	2.8	46	16	27	34
34543951	1	1.31	6.7	39	18	57	23
35043450	2	0.4	2.7	49	10	20	24
35043451	2	0.57	3.5	47	12	26	34
35043500	2	1.19	2.6	57	15	26	43
35043550	2	1.36	2.0	53	15	35	43
35043600	2	0.52	2.6	45	10	28	16
35043601	2	0.11	2.7	44	10	29	15
35043602	2	0.92	2.3	37	9	22	15
35043650	2	0.73	2.4	38	9	22	14
35043651	2	0.31	2.5	39	9	25	15
35043700	1	0.02	1.8	25	6	11	6
35043750	2	0.03	1.9	34	6	17	10
35043800	2	0.24	2.8	54	14	28	26
35043850	1	0.82	4.0	50	16	38	40
35043851	1	0.49	4.4	46	21	96	34
35043900	1	0.18	5.7	39	49	320	57
35043901	1	0.31	3.3	46	18	51	30
35043902	1	0.24	6.5	39	42	320	64
35043903	1	0.28	6.4	39	40	320	64
35043950	1	1.96	7.6	46	15	33	28
35044000	1	3.86	14.0	47	12	30	24
35044050	1	2.29	7.4	39	12	33	29
35044100	1	4.65	17.0	35	12	31	29

Sample No.	Be ppm-I	C %-IR	Ca %-I	Ce ppm-I	Co ppm-I	Cr ppm-I	Cu ppm-I
35543400	2	1.32	4.7	49	9	26	19
35543450	2	1.06	4.4	58	14	31	39
35543451	2	0.98	3.8	50	13	24	39
35543500	2	0.94	3.2	64	17	29	51
35543501	2	0.77	3.0	63	17	32	51
35543550	2	0.81	2.4	37	9	19	19
35543600	2	0.21	2.1	44	12	27	18
35543601	2	1.29	2.1	41	10	28	31
35543650	2	0.43	2.6	41	12	23	26
35543700	1	1.57	5.9	39	10	21	22
35543701	2	0.48	2.1	31	8	13	10
35543750	2	0.27	2.6	32	6	17	6
35543801	2	0.77	2.8	34	8	25	17
35543850	2	2.31	7.0	43	14	38	46
35543950	1	0.11	3.0	35	15	32	13
35544050	1	2.36	6.5	48	15	37	36
35544100	1	2.1	8.0	47	14	34	34
36043450	2	0.88	3.8	53	15	30	41
36043500	2	1.47	3.7	58	16	32	49
36043501	2	1.24	5.5	53	12	27	23
36043550	2	0.97	2.8	57	16	27	47
36043551	2	0.6	3.3	53	17	32	50
36043600	2	0.82	3.6	44	12	26	34
36043601	2	0.61	2.2	47	14	28	37
36043700	2	0.18	2.6	44	13	29	22
36043701	2	0.12	2.4	32	7	20	8
36043702	2	0.62	2.5	44	11	31	22
36043750	2	0.37	2.2	54	15	32	44
36043800	2	0.1	2.3	29	6	14	11
36043850	2	0.97	4.0	45	12	30	26

Sample No.	Be ppm-I	C %-IR	Ca %-I	Ce ppm-I	Co ppm-I	Cr ppm-I	Cu ppm-I
36043900	2	1.18	3.8	50	17	52	1700
36043901	2	0.7	2.6	40	9	21	18
36043950	1	0.42	3.8	28	11	47	12
36043951	1	0.88	4.5	31	15	64	23
36044050	1	2.28	6.7	50	14	37	37
36044100	1	2.62	8.5	42	13	32	30
36044150	1	2.45	7.8	44	15	36	32
36543450	2	0.14	2.5	31	7	14	7
36543451	2	0.68	3.4	54	16	26	38
36543500	2	0.82	4.5	47	14	31	28
36543550	2	1.14	4.6	45	12	27	36
36543600	1	0.3	2.9	33	8	20	10
36543650	2	0.22	2.1	56	16	29	43
36543700	2	0.81	2.2	59	16	38	47
36543701	2	3.02	2.9	44	12	30	40
36543750	2	0.44	2.3	36	8	19	11
36543800	2	0.12	2.3	36	8	14	16
36543900	2	1.08	4.8	38	12	28	27
36543950	1	0.5	3.6	26	9	21	14
36544100	1	1.38	4.3	45	14	34	38
36544101	1	1.28	3.4	38	12	29	35
36544150	1	1.17	3.1	45	15	29	59
37043450	2	0.23	2.9	35	9	26	15
37043500	2	1.17	4.6	43	11	29	33
37043550	2	0.44	3.3	41	10	27	18
37043551	2	0.89	3.9	44	11	26	29
37043601	2	0.76	3.6	44	12	32	19
37043650	1	0.78	4.1	36	9	19	13
37043651	2	1.1	4.7	46	14	32	40
37043700	2	1.81	6.7	47	13	26	34

Sample No.	Be ppm-I	C %-IR	Ca %-I	Ce ppm-I	Co ppm-I	Cr ppm-I	Cu ppm-I
37043750	2	1.7	2.2	53	15	32	42
37043751	2	1.29	2.0	67	18	38	53
37043800	2	0.86	2.5	72	22	41	51
37043850	2	1.24	4.4	39	9	25	13
37043851	1	1.78	5.0	41	12	33	32
37043852	2	2.44	3.2	47	12	37	37
37043853	1	2.45	5.5	40	10	29	35
37043900	2	1.42	5.3	43	16	32	43
37043950	1	0.71	3.6	29	9	18	14
37044150	1	1.17	2.8	38	13	28	44
37044151	1	1.94	4.0	44	14	39	39
37044200	1	2.38	7.5	46	13	30	32
37543350	1	0.42	3.5	50	10	29	11
37543400	2	0.31	4.1	62	17	50	29
37543401	2	0.12	2.6	40	8	19	10
37543450	2	1.42	5.1	51	14	32	40
37543451	1L	0.52	0.7	8	3	4	8
37543500	2	0.78	3.8	37	12	24	27
37543501	2	0.95	4.8	40	8	20	18
37543550	2	0.22	3.0	39	7	23	8
37543600	2	0.09	2.6	37	7	24	9
37543650	2	0.21	3.1	38	9	27	10
37543700	2	1.17	5.8	42	12	34	17
37543750	1	2.25	8.1	47	12	26	29
37543751	2	1.04	4.1	48	11	28	39
37543800	2	0.93	3.3	51	14	30	40
37543850	1	3.22	7.4	38	10	26	28
37543851	1	2.2	6.6	38	10	25	22
37543852	1	2.99	6.1	34	9	28	26
37543853	2	2.72	5.0	44	12	28	36

Sample No.	Be ppm-I	C %-IR	Ca %-I	Ce ppm-I	Co ppm-I	Cr ppm-I	Cu ppm-I
37543900	1	2.18	6.0	35	11	29	25
37543901	1	3.74	8.4	36	11	30	24
37543950	1	3.18	10.0	32	10	24	26
37544150	1	1.8	5.5	56	12	24	30
37544200	1	1.27	3.7	47	13	27	31
38043350	2	0.1	2.0	54	7	16	11
38043400	2	0.12	2.0	40	5	4	7
38043450	2	0.15	2.0	35	6	2	7
38043451	2	0.68	2.5	37	6	14	9
38043500	2	0.17	2.9	39	8	24	11
38043750	2	0.24	2.3	49	11	21	7
38043800	2	1.56	5.9	46	11	26	29
38043850	1	1.99	5.9	39	10	23	26
38043900	1	2.31	7.4	32	10	23	22
38043901	2	2.96	5.2	39	10	33	24
38043950	1	0.66	4.2	27	6	24	11
38044000	1	1.82	6.2	33	13	33	25
38044100	1	1.6	5.1	31	15	34	39
38044150	1	1.6	4.1	49	14	27	40
38044200	1	1.53	4.6	49	12	26	35
38044250	2	1.99	6.5	47	14	35	34
38543800	1	2.33	8.5	48	13	37	24
38543850	1	2.63	8.3	44	15	24	52
38543900	2	0.92	3.8	52	15	28	40
38544000	1	2.52	6.6	38	14	31	39
38544050	1	1.8	5.7	30	13	34	29
38544100	2	1.23	3.7	98	14	37	48
38544150	2	1.16	3.4	45	14	28	40
38544200	1	2.06	6.3	46	15	35	43
38544250	1	2.26	7.3	42	11	33	30

Sample No.	Be ppm-I	C %-IR	Ca %-I	Ce ppm-I	Co ppm-I	Cr ppm-I	Cu ppm-I
39043850	2	0.7	2.8	61	9	18	11
39043900	2	0.83	4.2	51	14	24	34
39043950	1	2.3	7.3	43	13	34	34
39044000	1	2.52	6.9	42	12	32	34
39044050	1	2.66	7.5	42	13	31	32
39044051	1	3.09	8.0	42	12	28	37
39044100	2	1.65	4.0	39	14	35	50
39044150	1	1.64	4.3	36	13	33	34
39044200	1	1.62	4.5	47	14	38	40
39044250	1	2.07	6.2	43	12	30	42
39044300	1	1.64	5.8	40	11	48	23
39543950	2	1.42	5.9	49	10	42	20
39544000	2	1.54	4.9	56	14	56	30
39544050	1	1.67	6.5	30	11	32	18
39544051	2	1.66	5.3	56	10	62	23
39544100	1	1.26	5.5	28	12	39	17
39544101	2	1.19	4.1	60	10	37	28
39544150	1	2.41	7.5	43	14	31	36
39544200	1	3.01	6.7	45	11	40	30
39544250	1	2.13	6.8	46	12	39	36
39544300	2	1.39	5.0	48	12	37	28
39544350	2	1.13	3.7	51	14	59	28
39544351	1	0.88	4.9	46	16	70	21
39544400	2	0.69	3.1	55	14	55	24
39544450	1	3.43	10.0	41	14	37	26
40044100	2	1.3	5.5	45	12	41	20
40044150	2	1.03	5.2	49	9	25	15
40044200	2	0.95	5.1	54	13	48	17
40044250	1	1.31	5.9	42	14	67	23
40044251	1	1.62	6.3	45	15	78	21

Sample No.	Be ppm-I	C %-IR	Ca %-I	Ce ppm-I	Co ppm-I	Cr ppm-I	Cu ppm-I
40044300	2	1.76	6.3	48	11	46	20
40044301	2	2.25	6.8	49	11	45	28
40044350	1	1.64	6.0	46	11	41	25
40044400	2	2.95	8.0	55	14	60	26
40044401	1	1.54	5.6	43	11	44	19
40044402	2	1.83	5.1	55	16	66	28
40044450	2	1.4	4.7	52	13	45	23

Table 5.--Continued.

Sample No.	Fe %-I	Ga ppm-I	Hg ppm-CV	K %-I	La ppm-I	Li ppm-I	Mg %-I
01111	3.4	18	0.04	2.1	27	78	1.60
01121	2.1	17	.02L	2.1	22	32	0.95
01211	3.2	18	0.04	2.1	26	94	1.70
02111	3.1	19	0.02	2.3	29	50	1.30
02121	4.1	21	0.04	2.5	35	62	1.60
02211	3.3	19	.02L	2.5	34	51	1.30
03111	2.3	17	.02L	2.9	28	32	0.79
03121	2.6	18	.02L	2.8	24	32	0.84
03211	2.9	20	.02L	2.7	30	42	1.10
04111	3.9	18	0.02	2.3	27	120	2.10
04121	3.2	17	0.02	1.8	32	95	1.60
04211	3.7	21	0.08	2.3	32	110	1.90
05111	1.9	16	.02L	2.6	22	18	0.65
05121	2.0	17	0.02	2.9	20	18	0.57
05211	2.1	16	.02L	3.0	21	26	0.63
06111	1.8	16	0.02	2.7	23	23	0.65
06121	3.4	20	.02L	2.0	31	36	1.00
06211	2.4	17	4.4	2.1	23	31	0.87
07111	3.6	19	0.02	2.2	26	57	1.60
07121	1.9	15	0.08	2.3	24	25	0.86
07211	1.5	14	.02L	2.7	22	21	0.61
08111	1.8	16	.02L	2.6	26	25	0.74
08121	1.9	16	.02L	2.4	20	25	0.79
08211	3.2	20	0.04	2.1	27	67	1.70
09111	3.9	21	.02L	2.6	31	70	1.80
09121	3.8	20	.02L	2.4	33	68	1.70
09211	1.3	16	.02L	2.8	18	14	0.38
10111	4.4	21	.02L	2.2	27	24	0.84
10121	3.7	18	.02L	2.2	26	22	0.91
10211	4.1	19	0.04	2.2	28	17	0.61

Sample No.	Fe %-I	Ga ppm-I	Hg ppm-CV	K %-I	La ppm-I	Li ppm-I	Mg %-I
11111	4.1	19	0.02	2.2	29	30	1.10
11121	2.8	17	0.02	2.8	28	20	0.80
11211	4.0	20	0.02	2.1	28	31	1.00
12111	1.6	11	.02L	1.6	14	40	1.90
12121	1.8	9	0.04	1.5	13	54	2.60
12211	4.2	17	.02L	2.5	33	31	0.71
13111	3.2	18	.02L	2.4	24	25	0.81
13121	2.6	18	0.02	2.6	22	20	0.64
13211	1.9	14	.02L	3.0	15	15	0.36
14111	4.4	21	0.02	1.7	34	27	1.10
14121	4.2	20	0.04	1.6	29	25	1.10
14211	4.5	21	0.02	1.8	25	23	1.00
15111	3.6	19	11	1.8	28	31	1.30
15121	3.6	20	48	1.9	22	27	1.50
15211	1.8	16	0.16	2.7	23	15	0.46
16111	4.4	20	0.08	1.9	24	18	0.97
16121	4.1	20	0.06	1.7	22	19	1.00
16211	4.7	21	0.02	2.0	32	49	1.90
17111	3.4	19	.02L	1.9	23	29	1.30
17121	3.5	19	0.04	1.9	28	33	1.40
17211	3.4	18	0.06	1.9	24	25	1.10
18111	3.1	18	14	2.0	23	30	1.10
18121	2.5	17	4.4	1.9	23	24	0.89
18211	2.9	17	1.8	2.5	24	29	1.20
19111	4.4	20	.02L	2.2	26	76	2.20
19121	4.6	21	0.02	2.0	26	79	2.20
19211	3.7	17	0.04	1.8	21	58	1.80
20111	3.4	16	.02L	2.0	21	17	1.30
20121	3.3	17	.02L	2.0	19	17	1.20
20211	3.9	19	0.02	1.7	23	38	1.30

Sample No.	Fe %-I	Ga ppm-I	Hg ppm-CV	K %-I	La ppm-I	Li ppm-I	Mg %-I
21111	1.4	16	.02L	2.5	22	13	0.46
21121	1.3	16	.02L	2.6	19	12	0.44
21211	1.6	16	.02L	2.5	19	13	0.48
22111	3.0	15	0.78	2.5	16	150	2.80
22121	3.0	15	0.74	2.7	16	170	2.90
22211	3.0	14	0.42	2.8	17	160	2.90
25542900	2.0	16	.02L	2.3	24	10	0.38
25542950	2.1	15	.02L	2.5	23	16	0.49
25543050	1.3	17	.02L	2.9	21	32	0.24
25543150	4.0	20	0.04	1.5	28	31	1.10
25543200	3.3	17	.02L	1.8	23	27	1.60
25543250	3.9	18	.02L	2.3	21	32	1.40
25543300	4.9	18	.02L	1.9	29	25	0.65
26042900	3.0	18	.02L	2.6	31	13	0.41
26042950	1.9	13	0.02	2.4	16	16	0.59
26043000	3.0	16	.02L	2.6	22	21	0.85
26043050	1.3	34	0.04	2.1	23	55	0.56
26043100	1.5	17	0.02	1.7	22	66	0.42
26043150	3.5	20	0.04	2.2	25	27	0.83
26043200	4.1	20	0.06	1.6	29	34	1.30
26043250	2.5	15	.02L	2.0	23	17	0.77
26043300	1.6	18	.02L	2.5	17	13	0.24
26043350	2.5	17	1	2.2	15	40	0.95
26043400	2.4	16	0.02	2.3	25	28	0.87
26542950	3.3	19	.02L	1.7	32	13	0.83
26543000	3.9	17	.02L	2.0	20	15	0.60
26543050	2.6	15	.02L	2.6	31	11	0.33
26543100	4.0	18	0.06	1.7	29	26	1.20
26543250	2.8	16	0.02	2.2	26	18	0.64
26543300	2.2	8	.02L	2.6	22	17	0.37

Sample No.	Fe %-I	Ga ppm-I	Hg ppm-CV	K %-I	La ppm-I	Li ppm-I	Mg %-I
26543350	2.7	17	0.18	1.7	16	38	1.70
26543400	1.9	6	.02L	2.4	21	15	0.40
27043000	4.0	20	0.18	1.9	28	23	1.10
27043050	4.0	20	0.08	1.7	27	37	1.20
27043150	2.8	18	0.02	2.7	25	15	0.76
27043200	3.4	18	0.02	2.3	27	14	0.73
27043250	2.5	17	.02L	2.7	17	14	0.57
27043300	1.7	16	.02L	2.7	15	14	0.29
27043350	2.8	17	0.04	2.3	25	23	0.69
27043400	2.8	19	0.22	2.5	32	23	0.61
27043450	6.0	19	0.02	1.4	24	30	2.50
27543050	4.2	21	.02L	1.7	29	29	1.20
27543100	3.3	16	0.02	2.5	30	16	0.64
27543150	3.3	19	.02L	2.5	32	16	0.58
27543200	4.3	18	0.02	2.3	27	15	0.67
27543201	3.6	18	.02L	2.6	29	20	0.59
27543250	3.4	17	0.02	2.4	29	21	0.58
27543400	4.3	18	0.10	1.7	29	24	1.30
27543450	4.6	20	0.08	1.4	24	35	1.70
28043050	4.8	18	0.02	1.8	34	19	0.82
28043100	3.5	17	.02L	2.4	32	17	0.60
28043150	3.7	19	0.02	2.1	32	30	1.20
28043450	2.5	17	4.8	2.4	23	22	0.66
28043451	4.1	20	2	2.0	25	20	1.00
28043500	3.8	20	0.08	2.1	22	23	1.50
28543400	3.2	18	0.04	1.8	26	22	0.83
28543450	1.8	15	0.04	2.7	19	16	0.39
28543550	4.8	21	0.16	1.8	28	26	1.00
29043500	3.9	19	23	1.9	28	37	1.10
29043550	4.4	18	0.10	1.9	28	23	1.50

Sample No.	Fe %-I	Ga ppm-I	Hg ppm-CV	K %-I	La ppm-I	Li ppm-I	Mg %-I
29043600	5.3	21	0.02	1.6	32	26	1.20
29543500	3.5	17	40	1.8	24	34	1.10
29543600	6.0	23	0.04	1.8	36	25	1.20
30043500	3.7	19	0.84	2.3	28	36	1.80
30043550	3.0	18	.02L	2.3	27	22	1.00
30043600	5.1	22	0.02	1.6	28	25	1.30
30043650	4.3	20	0.06	1.8	29	30	1.20
30543500	3.6	17	96	1.9	23	42	1.10
30543550	4.1	20	0.06	1.7	24	24	1.10
30543551	4.5	19	0.02	1.2	21	31	1.70
30543650	5.3	20	0.32	1.7	26	27	1.20
30543850	3.3	19	.02L	2.0	18	16	1.20
31043450	2.4	16	.02L	2.5	25	16	0.67
31043500	2.2	17	.02L	2.7	26	21	0.61
31043550	2.4	18	0.04	2.5	26	28	0.81
31043600	3.0	18	0.02	1.9	22	24	0.96
31043650	3.3	19	.02L	1.8	23	27	1.20
31043800	3.7	18	0.06	1.8	23	30	1.40
31043900	3.7	19	0.02	1.9	22	15	1.50
31543450	3.9	22	0.06	2.4	42	48	1.40
31543550	1.8	17	.02L	2.8	20	16	0.47
31543600	2.6	16	0.04	1.8	27	42	1.40
31543650	3.4	20	0.08	2.4	28	44	1.30
31543800	4.7	20	0.06	1.1	20	28	2.00
31543850	3.2	18	.02L	1.9	19	17	1.30
31543900	4.3	21	0.02	1.9	25	58	2.00
32043450	4.0	21	.02L	2.4	41	46	1.40
32043500	2.1	17	.02L	2.7	23	19	0.60
32043550	1.9	16	.02L	2.6	19	17	0.58
32043551	2.4	18	.02L	2.4	26	26	0.84

Sample No.	Fe %-I	Ga ppm-I	Hg ppm-CV	K %-I	La ppm-I	Li ppm-I	Mg %-I
32043600	2.8	17	0.02	2.1	20	25	0.98
32043650	2.9	19	.02L	2.1	25	22	0.96
32043800	4.9	20	.02L	1.4	21	30	1.90
32043850	4.0	20	0.02	1.6	29	55	1.70
32043950	3.8	18	0.02	1.8	24	110	2.10
32543450	4.1	22	0.04	2.4	40	50	1.40
32543500	3.7	24	0.04	2.7	36	62	1.60
32543550	4.2	24	0.04	2.8	46	56	1.50
32543600	2.0	17	.02L	2.6	23	20	0.71
32543601	1.8	15	0.02	2.6	19	16	0.51
32543650	2.4	16	.02L	2.4	20	18	0.64
32543701	2.4	17	0.08	2.5	23	17	0.85
32543750	4.4	19	0.12	1.9	26	44	1.80
32543800	5.4	19	.02L	1.4	24	38	1.90
32543850	4.0	18	.02L	1.7	27	53	1.90
32543900	3.4	17	.02L	1.7	20	44	1.40
32543950	3.7	17	0.02	1.9	22	98	1.50
32544000	3.4	19	0.02	2.0	22	140	1.70
32544050	4.1	19	0.08	1.8	30	46	1.60
32544100	3.1	16	.02L	2.0	23	27	1.20
33043500	2.4	17	.02L	2.4	27	21	0.81
33043550	2.4	17	.02L	2.5	30	29	0.80
33043650	2.2	15	.02L	2.1	21	16	0.63
33043651	2.4	16	.02L	2.4	29	20	0.83
33043700	2.5	18	11	2.1	23	30	0.77
33043701	3.6	21	0.02	2.3	33	41	1.10
33043750	4.0	22	0.04	2.4	34	60	1.60
33043800	3.9	18	0.06	1.6	27	91	1.40
33043850	3.6	17	.02L	2.2	22	59	1.50
33043851	3.7	19	.02L	1.9	23	28	1.60

Sample No.	Fe %-I	Ga ppm-I	Hg ppm-CV	K %-I	La ppm-I	Li ppm-I	Mg %-I
33043950	3.0	17	.02L	1.8	20	90	1.60
33044000	3.6	16	.02L	1.9	23	33	1.40
33044050	3.4	17	0.06	1.6	22	73	1.60
33044100	3.4	18	.02L	1.8	23	31	1.30
33543550	1.9	17	.02L	2.6	21	23	0.61
33543600	2.5	17	0.04	2.6	21	30	0.83
33543650	3.8	22	0.02	2.6	38	56	1.30
33543700	4.0	23	0.02	2.5	38	64	1.60
33543750	1.8	16	.02L	2.6	23	14	0.52
33543850	4.2	19	.02L	1.7	24	71	1.50
33543900	3.8	18	.02L	1.9	23	26	1.50
33544000	4.9	17	.02L	1.8	27	36	1.70
34043450	3.8	20	0.10	2.4	34	59	1.50
34043650	3.3	22	0.04	2.5	34	57	1.40
34043651	1.6	16	0.06	2.3	18	14	0.55
34043700	3.7	21	0.74	2.3	36	55	1.50
34043701	2.8	18	0.24	2.1	26	26	0.92
34043702	2.4	17	0.04	2.4	25	23	0.78
34043750	1.7	16	0.02	2.7	19	15	0.48
34043800	1.6	16	.02L	2.5	20	14	0.49
34043850	1.7	15	.02L	3.1	20	16	0.60
34043900	3.8	19	.02L	1.9	23	200	1.70
34043950	3.2	17	.02L	1.8	19	27	1.40
34543450	3.0	17	0.02	2.2	29	38	1.20
34543550	3.0	19	0.02	2.1	29	31	1.00
34543600	1.7	16	.02L	2.7	20	17	0.49
34543601	2.4	18	12	2.5	20	24	0.83
34543650	1.8	16	0.02	2.6	23	20	0.56
34543700	2.0	17	0.02	2.6	21	21	0.61
34543701	2.1	17	0.22	2.3	23	20	0.76

Sample No.	Fe %-I	Ga ppm-I	Hg ppm-CV	K %-I	La ppm-I	Li ppm-I	Mg %-I
34543702	2.5	17	.02L	2.6	20	19	1.00
34543750	2.3	18	.02L	2.3	27	21	0.74
34543800	2.5	18	.02L	2.6	24	28	0.74
34543850	6.0	19	.02L	1.5	25	35	4.30
34543900	4.1	21	.02L	2.3	31	64	1.70
34543901	3.8	16	.02L	2.2	17	79	1.30
34543950	3.7	18	.02L	2.3	27	53	1.40
34543951	4.6	17	.02L	1.9	22	55	1.80
35043450	2.4	16	.02L	2.7	28	32	0.84
35043451	2.7	19	2.2	2.5	27	44	1.20
35043500	3.7	21	4.4	2.5	31	61	1.50
35043550	3.6	20	2.6	2.1	32	40	1.10
35043600	2.5	19	0.60	2.0	27	23	0.83
35043601	2.7	19	0.06	2.1	23	23	0.84
35043602	2.3	17	0.48	2.3	25	24	0.77
35043650	2.2	17	0.12	2.2	24	22	0.72
35043651	2.3	17	.02L	2.4	25	21	0.76
35043700	1.3	15	1.7	2.5	16	15	0.40
35043750	1.5	15	.02L	2.8	21	15	0.49
35043800	3.1	20	.02L	2.4	30	56	1.20
35043850	3.3	19	0.04	2.0	26	72	1.50
35043851	4.2	17	.02L	1.7	27	56	2.30
35043900	6.8	19	0.04	1.1	21	23	5.50
35043901	3.8	18	0.02	1.9	29	66	2.00
35043902	6.5	17	.02L	1.0	21	22	4.40
35043903	6.5	18	0.02	1.1	22	25	4.70
35043950	3.6	17	.02L	2.1	24	89	1.80
35044000	2.6	13	0.02	1.7	29	150	1.50
35044050	2.8	15	0.02	2.2	22	230	1.70
35044100	2.4	12	0.04	1.8	21	110	1.90

Sample No.	Fe %-I	Ga ppm-I	Hg ppm-CV	K %-I	La ppm-I	Li ppm-I	Mg %-I
35543400	2.5	18	.02L	2.5	28	45	1.30
35543450	3.1	20	1.8	2.5	33	60	1.40
35543451	3.0	17	0.02	2.4	32	83	2.60
35543500	4.2	21	2.1	2.6	38	82	1.90
35543501	4.2	20	2.2	2.5	39	81	2.00
35543550	2.0	16	3.7	2.4	24	26	0.72
35543600	2.4	17	0.12	2.4	25	26	0.81
35543601	2.8	18	0.20	2.2	24	32	0.96
35543650	2.6	17	0.04	2.4	24	28	0.84
35543700	2.1	15	.02L	2.3	24	37	0.97
35543701	1.6	16	0.18	2.7	19	17	0.45
35543750	1.6	14	.02L	2.4	19	16	0.57
35543801	1.9	16	5.1	2.2	23	24	0.77
35543850	3.1	18	0.04	2.1	26	90	2.40
35543950	3.5	16	.02L	2.2	20	24	1.20
35544050	3.5	16	0.04	1.8	31	140	2.00
35544100	3.2	19	.02L	2.3	25	140	1.90
36043450	3.5	19	0.04	2.6	32	84	2.10
36043500	4.1	20	3.4	2.5	33	76	1.80
36043501	2.7	16	0.04	2.4	30	42	1.30
36043550	3.8	20	11	2.4	31	65	1.50
36043551	4.2	20	0.02	3.1	29	170	2.40
36043600	3.1	18	.02L	2.7	27	76	1.80
36043601	3.2	20	0.64	2.3	25	51	1.30
36043700	2.9	19	0.02	2.0	24	35	1.00
36043701	1.7	5	.02L	2.5	22	17	0.60
36043702	2.7	19	0.04	2.5	25	31	0.93
36043750	3.6	20	0.02	1.9	31	50	1.30
36043800	1.5	15	.02L	2.7	19	17	0.52
36043850	2.9	16	0.12	2.3	25	63	1.40

Sample No.	Fe %-I	Ga ppm-I	Hg ppm-CV	K %-I	La ppm-I	Li ppm-I	Mg %-I
36043900	3.7		19	140		2.3	28981.90
36043901	2.1	17	2.6	2.4	22	25	0.78
36043950	2.1	15	0.40	2.3	16	23	1.30
36043951	3.2	17	1.2	2.1	18	66	2.00
36044050	3.2	16	0.04	1.9	31	140	1.90
36044100	2.6	14	.02L	2.1	23	200	1.80
36044150	3.2	17	0.06	1.9	25	180	2.00
36543450	1.7	16	.02L	2.6	19	16	0.57
36543451	3.6	19	0.02	2.1	32	66	1.60
36543500	3.1	18	0.02	2.5	29	190	1.50
36543550	3.0	17	0.04	3.7	24	530	1.60
36543600	1.8	16	.02L	2.4	19	21	0.74
36543650	3.9	21	0.02	2.2	32	64	1.40
36543700	4.2	21	0.12	2.2	36	56	1.50
36543701	3.0	18	10	2.4	28	42	1.10
36543750	1.8	17	0.02	2.4	20	18	0.62
36543800	2.1	17	.02L	2.4	24	28	0.80
36543900	2.8	18	0.02	2.4	23	72	1.80
36543950	1.9	14	0.88	2.6	17	40	1.20
36544100	3.6	18	0.10	2.5	24	220	2.10
36544101	2.9	13	0.04	1.8	23	130	1.90
36544150	3.4	15	0.02	2.1	21	180	2.00
37043450	2.1	17	.02L	2.4	21	18	0.72
37043500	2.6	15	.02L	2.8	23	330	1.60
37043550	2.4	16	.02L	2.4	26	41	1.00
37043551	2.8	16	.02L	2.6	24	120	1.80
37043601	3.0	17	0.06	2.5	24	52	1.10
37043650	2.0	15	.02L	2.7	21	40	0.95
37043651	3.3	18	0.02	2.2	28	73	1.70
37043700	3.0	18	0.02	2.3	27	140	2.10

Sample No.	Fe %-I	Ga ppm-I	Hg ppm-CV	K %-I	La ppm-I	Li ppm-I	Mg %-I
37043750	4.0	20	0.82	2.2	30	50	1.30
37043751	4.5	22	0.10	2.3	38	62	1.50
37043800	5.4	24	0.06	2.4	41	71	1.70
37043850	2.1	17	0.02	2.2	23	54	1.50
37043851	2.6	16	.02L	2.0	23	87	1.90
37043852	3.4	18	0.10	2.1	30	62	1.50
37043853	2.6	16	0.64	2.0	25	84	1.80
37043900	3.7	19	0.02	2.7	28	130	2.60
37043950	1.9	16	0.20	2.1	18	48	1.00
37044150	2.9	14	0.04	1.9	23	150	1.90
37044151	3.4	16	0.06	1.9	24	130	1.80
37044200	3.0	17	0.04	1.9	26	110	1.90
37543350	2.8	17	0.04	2.4	33	20	0.93
37543400	4.2	19	.02L	2.2	36	30	1.50
37543401	2.1	16	.02L	2.6	25	18	0.72
37543450	3.2	16	0.04	2.4	23	100	2.00
37543451	0.5	4L	0.02	0.6	5	53	0.30
37543500	2.9	16	.02L	2.9	24	110	1.90
37543501	2.0	15	.02L	2.6	23	57	1.10
37543550	1.8	15	.02L	2.6	24	20	0.67
37543600	2.0	15	.02L	2.5	21	19	0.67
37543650	2.2	17	.02L	2.5	24	25	0.87
37543700	2.6	18	.02L	2.2	24	33	1.20
37543750	2.7	16	.02L	2.2	28	80	1.90
37543751	3.1	17	.02L	2.2	28	81	1.80
37543800	3.4	18	0.02	2.2	31	81	2.00
37543850	2.5	15	0.04	2.0	21	140	3.20
37543851	2.2	16	.02L	2.1	20	79	1.80
37543852	2.3	14	0.12	1.8	20	170	4.00
37543853	3.2	18	0.08	1.9	26	75	1.80

Sample No.	Fe %-I	Ga ppm-I	Hg ppm-CV	K %-I	La ppm-I	Li ppm-I	Mg %-I
37543900	2.4	16	0.04	2.6	20	97	2.10
37543901	2.5	15	0.08	2.2	23	88	1.90
37543950	2.4	14	0.10	2.2	18	100	2.50
37544150	2.9	17	0.08	2.2	26	110	1.70
37544200	3.1	14	0.06	2.3	24	170	1.80
38043350	2.0	18	.02L	2.6	38	23	0.60
38043400	1.6	17	.02L	2.4	25	18	0.42
38043450	1.8	18	.02L	2.2	21	16	0.37
38043451	1.6	14	0.02	2.3	22	52	0.69
38043500	2.1	15	.02L	2.4	25	17	0.72
38043750	2.4	18	.02L	2.5	29	31	0.84
38043800	2.9	18	.02L	2.5	25	80	2.00
38043850	2.3	15	0.02	2.2	21	80	2.10
38043900	2.1	14	0.50	2.4	22	93	2.30
38043901	2.5	16	0.18	2.3	22	82	1.70
38043950	1.3	15	.02L	2.0	17	16	0.82
38044000	3.0	14	0.04	2.5	19	180	3.00
38044100	3.3	15	1.1	3.0	19	220	3.30
38044150	3.2	17	0.12	2.5	23	140	1.90
38044200	2.9	15	0.02	2.1	23	120	1.60
38044250	3.2	18	.02L	2.8	26	110	2.20
38543800	3.0	16	.02L	2.1	27	57	1.80
38543850	3.0	17	.02L	2.0	26	89	2.40
38543900	3.3	18	.02L	2.1	30	90	1.60
38544000	3.0	14	0.08	2.7	22	180	3.90
38544050	3.0	15	0.06	2.8	19	180	3.10
38544100	3.5	19	0.08	2.9	31	120	1.80
38544150	3.3	18	0.06	2.8	25	120	1.90
38544200	3.2	16	0.04	2.6	24	99	2.10
38544250	2.7	15	0.02	1.9	3	82	1.80

Sample No.	Fe %-I	Ga ppm-I	Hg ppm-CV	K %-I	La ppm-I	Li ppm-I	Mg %-I
39043850	2.5	18	.02L	2.8	34	48	0.95
39043900	3.2	18	0.02	2.4	32	120	1.80
39043950	2.7	15	0.02	1.9	28	83	2.10
39044000	2.8	15	.02L	2.4	23	150	3.30
39044050	2.9	15	0.04	2.9	21	190	3.80
39044051	2.8	14	0.02	2.7	23	180	3.90
39044100	3.3	15	0.04	2.4	21	140	2.70
39044150	2.7	14	0.06	2.4	17	110	1.80
39044200	3.0	16	0.08	2.3	22	93	1.80
39044250	2.7	15	0.02	1.9	26	86	1.90
39044300	2.5	15	0.02	1.6	24	38	1.40
39543950	2.5	16	.02L	2.2	31	53	1.30
39544000	2.9	18	0.06	2.3	30	65	1.40
39544050	2.2	14	0.06	2.4	16	71	1.90
39544051	3.1	17	0.04	2.2	32	62	1.10
39544100	2.5	14	0.14	2.3	18	86	2.30
39544101	2.6	19	0.04	2.6	36	51	1.10
39544150	2.9	16	.02L	2.8	22	150	3.10
39544200	2.5	12	0.04	1.7	26	80	3.90
39544250	2.9	16	0.02	2.0	24	75	1.60
39544300	2.9	17	0.02	2.1	26	56	1.40
39544350	3.2	19	0.02	2.2	26	51	1.50
39544351	3.4	17	.02L	1.8	29	45	1.80
39544400	3.2	18	.02L	2.3	32	42	1.20
39544450	2.9	16	0.04	2.0	23	65	1.60
40044100	2.8	17	0.04	2.5	26	77	1.90
40044150	2.3	16	0.02	2.5	28	44	1.10
40044200	3.0	18	0.02	2.3	29	43	1.40
40044250	4.0	17	0.12	2.0	25	64	2.00
40044251	3.9	17	0.06	2.0	27	59	1.90

Sample No.	Fe %-I	Ga ppm-I	Hg ppm-CV	K %-I	La ppm-I	Li ppm-I	Mg %-I
40044300	2.6	15	0.02	2.3	27	71	1.70
40044301	2.6	18	0.34	2.1	28	65	1.60
40044350	2.8	16	.02L	2.2	27	65	1.60
40044400	3.8	17	1.7	1.9	32	74	1.60
40044401	2.7	16	.02L	2.1	23	54	1.50
40044402	3.6	15	1	1.9	30	56	1.60
40044450	3.1	18	.02L	2.1	31	71	1.60

Table 5.--Continued.

Sample No.	Mn ppm-I	Mo ppm-I	Na %-I	Nb ppm-I	Nd ppm-I	Ni ppm-I	P %-I
01111	720	2L	1.9	7	22	21	0.11
01121	400	2L	2.7	6	19	11	0.08
01211	610	2L	3.8	6	25	21	0.10
02111	820	2L	3.3	8	25	16	0.11
02121	870	2L	3.0	10	32	21	0.11
02211	670	2L	3.2	10	27	14	0.09
03111	650	2L	2.5	8	21	13	0.09
03121	480	2L	2.6	6	20	12	0.08
03211	630	2L	2.6	9	25	14	0.09
04111	880	4	4.4	16	23	43	0.11
04121	1100	4	4.4	7	27	19	0.12
04211	920	5	3.4	10	26	30	0.11
05111	370	2L	2.7	4	17	7	0.06
05121	380	2L	2.5	6	17	9	0.07
05211	410	2L	2.6	5	18	12	0.07
06111	370	2L	2.6	4L	20	9	0.07
06121	740	6	3.7	6	25	19	0.10
06211	720	2L	2.7	7	20	13	0.09
07111	690	2L	2.2	10	29	20	0.18
07121	370	2L	2.5	5	17	9	0.07
07211	280	2L	2.4	4	15	6	0.04
08111	440	2L	2.5	5	17	8	0.07
08121	420	2L	2.9	6	17	9	0.07
08211	770	2L	3.7	6	25	19	0.10
09111	830	3	3.6	7	27	21	0.11
09121	870	4	3.8	8	27	21	0.11
09211	250	2L	2.6	7	15	4	0.05
10111	730	2L	2.3	7	25	21	0.09
10121	660	2L	2.5	7	26	19	0.10
10211	650	2L	2.6	8	25	14	0.07

Sample No.	Mn ppm-I	Mo ppm-I	Na %-I	Nb ppm-I	Nd ppm-I	Ni ppm-I	P %-I
11111	810	2L	1.7	7	29	21	0.10
11121	690	2L	2.0	6	21	16	0.08
11211	910	2L	1.6	7	27	21	0.10
12111	460	2L	1.6	4L	9	2	0.13
12121	490	2L	1.5	4L	10	1L	0.14
12211	560	2L	2.3	9	22	3	0.08
13111	570	2L	2.1	8	20	16	0.08
13121	540	2L	2.2	4	20	12	0.07
13211	330	2L	2.2	5	12	8	0.05
14111	700	2L	1.8	9	30	26	0.06
14121	720	2L	1.9	7	28	18	0.07
14211	860	2L	2.5	7	25	17	0.08
15111	720	2L	2.0	5	22	18	0.12
15121	950	2	1.9	4L	21	17	0.14
15211	440	2L	2.5	6	18	4	0.06
16111	780	2L	3.3	6	25	17	0.11
16121	770	2L	3.2	13	22	17	0.10
16211	940	2L	2.1	10	32	31	0.15
17111	690	2L	2.6	5	20	21	0.07
17121	720	2L	2.6	6	23	24	0.09
17211	590	2L	2.1	5	21	19	0.06
18111	820	2L	2.2	7	21	16	0.10
18121	530	2L	2.5	6	19	12	0.08
18211	610	2L	3.0	6	22	13	0.15
19111	1000	2L	2.8	8	26	22	0.12
19121	860	2L	3.0	8	27	21	0.11
19211	820	20	3.9	6	20	17	0.08
20111	670	2L	2.4	5	18	13	0.08
20121	670	2L	2.3	5	18	16	0.07
20211	850	2L	2.2	8	22	22	0.09

Sample No.	Mn ppm-I	Mo ppm-I	Na %-I	Nb ppm-I	Nd ppm-I	Ni ppm-I	P %-I
21111	280	2L	2.7	6	14	6	0.04
21121	240	2L	2.6	6	13	5	0.04
21211	280	2L	2.7	5	16	7	0.05
22111	630	2L	3.8	4	13	27	0.07
22121	650	2L	3.9	4L	12	32	0.07
22211	630	2L	3.9	5	13	26	0.07
25542900	580	2L	2.7	5	18	3	0.08
25542950	480	2L	2.6	7	16	1L	0.08
25543050	380	3	2.4	7	11	11	0.05
25543150	790	4	2.3	8	26	16	0.12
25543200	760	2L	1.9	4L	17	15	0.10
25543250	730	2L	2.8	5	17	6	0.10
25543300	530	2L	2.7	8	27	6	0.08
26042900	750	2L	2.5	9	24	6	0.08
26042950	530	2L	2.3	16	13	5	0.11
26043000	580	2L	2.5	7	19	7	0.06
26043050	360	15	2.5	4	12	4	0.03
26043100	270	21	2.1	5	13	4	0.08
26043150	780	2L	1.9	6	25	17	0.11
26043200	950	2L	2.1	6	28	22	0.14
26043250	490	2L	2.7	6	23	6	0.08
26043300	260	2L	3.1	4	14	2	0.05
26043350	560	2L	2.6	5	12	5	0.07
26043400	550	2L	2.5	7	21	6	0.06
26542950	710	2L	2.5	6	30	23	0.09
26543000	490	2L	2.7	7	18	7	0.07
26543050	420	2L	2.4	5	19	7	0.05
26543100	700	2L	2.3	5	24	24	0.10
26543250	570	2L	2.3	5	19	22	0.07
26543300	450	2L	3.1	11	19	4	0.07

Sample No.	Mn ppm-I	Mo ppm-I	Na %-I	Nb ppm-I	Nd ppm-I	Ni ppm-I	P %-I
26543350	630	2L	2.6	4L	16	11	0.09
26543400	540	2L	2.4	6	14	5	0.03
27043000	710	2L	2.3	6	23	21	0.10
27043050	810	2L	1.8	7	29	24	0.11
27043150	760	2L	2.3	7	23	13	0.08
27043200	660	2L	2.7	7	25	15	0.09
27043250	450	2L	2.5	16	14	9	0.07
27043300	280	2L	2.5	5	13	6	0.05
27043350	570	2L	2.3	4	19	11	0.10
27043400	840	2L	2.6	9	25	10	0.06
27043450	1500	2L	2.4	5	24	17	0.13
27543050	740	2L	1.7	21	27	21	0.07
27543100	620	2L	2.3	8	24	17	0.07
27543150	830	2L	2.6	8	31	11	0.07
27543200	910	2L	2.6	14	27	15	0.09
27543201	670	2L	2.2	6	22	15	0.05
27543250	610	2L	2.3	9	23	12	0.06
27543400	840	2L	2.5	5	25	12	0.08
27543450	720	2L	2.4	6	26	14	0.12
28043050	840	2L	1.9	6	37	13	0.08
28043100	750	2L	2.4	9	27	17	0.07
28043150	790	2L	1.7	10	26	75	0.09
28043450	580	2	2.3	5	19	10	0.08
28043451	810	2L	2.6	4L0	24	12	0.11
28043500	980	2L	2.0	5	19	17	0.09
28543400	660	2L	2.2	11	23	14	0.08
28543450	400	2L	2.3	5	11	11	0.06
28543550	900	2L	2.3	6	25	22	0.06
29043500	980	2L	2.0	7	26	20	0.11
29043550	830	2	2.0	10	18	12	0.08

Sample No.	Mn ppm-I	Mo ppm-I	Na %-I	Nb ppm-I	Nd ppm-I	Ni ppm-I	P %-I
29043600	790	2L	2.3	7	27	26	0.07
29543500	770	2L	2.0	5	23	17	0.09
29543600	1000	2L	2.5	8	31	22	0.09
30043500	910	2L	2.2	10	24	15	0.19
30043550	570	2L	2.5	5	20	18	0.07
30043600	760	2L	2.1	7	26	22	0.06
30043650	690	2L	1.6	8	24	19	0.07
30543500	840	2L	1.7	5	22	17	0.13
30543550	640	4	1.8	8	25	24	0.06
30543551	520	5	1.9	5	20	21	0.05
30543650	1200	2L	2.4	9	23	21	0.10
30543850	630	2L	2.4	6	18	15	0.07
31043450	510	2L	2.6	6	18	9	0.07
31043500	460	2L	2.6	7	20	10	0.06
31043550	510	2L	2.5	6	17	11	0.06
31043600	610	2L	2.2	6	20	18	0.06
31043650	870	2L	2.6	7	19	18	0.08
31043800	790	2L	2.4	7	21	20	0.11
31043900	700	2L	2.5	5	18	19	0.08
31543450	1200	3	2.6	9	31	20	0.12
31543550	320	2L	2.9	7	18	7	0.06
31543600	600	2L	1.8	6	22	14	0.11
31543650	700	2L	2.4	8	26	19	0.08
31543800	980	2L	2.2	5	20	22	0.09
31543850	670	2L	2.4	5	18	15	0.07
31543900	1200	2L	2.8	8	24	22	0.13
32043450	1100	2L	2.5	9	34	17	0.13
32043500	460	2L	2.7	6	20	9	0.07
32043550	370	2L	2.5	6	17	8	0.06
32043551	500	2L	2.5	7	23	12	0.08

Sample No.	Mn ppm-I	Mo ppm-I	Na %-I	Nb ppm-I	Nd ppm-I	Ni ppm-I	P %-I
32043600	480	2L	2.4	7	19	11	0.09
32043650	560	2L	2.7	7	24	11	0.09
32043800	910	2L	2.2	7	20	20	0.09
32043850	980	7	4.7	8	24	22	0.10
32043950	1200	5	3.2	7	21	24	0.12
32543450	840	2	2.6	11	33	22	0.12
32543500	1100	2	2.7	9	30	20	0.10
32543550	1100	2L	2.1	12	36	18	0.12
32543600	380	2L	2.6	7	20	9	0.07
32543601	340	2L	2.5	6	16	8	0.05
32543650	390	2L	2.6	7	19	9	0.07
32543701	580	2L	2.3	6	21	10	0.09
32543750	930	2L	2.2	7	27	18	0.13
32543800	1100	3	3.2	8	23	19	0.11
32543850	790	3	3.5	6	23	20	0.09
32543900	590	2L	7.7	10	19	15	0.07
32543950	710	2L	3.5	6	20	17	0.10
32544000	700	2	3.2	7	20	18	0.11
32544050	890	3	2.3	9	31	24	0.15
32544100	680	2L	2.2	8	22	15	0.10
33043500	730	2L	2.5	6	21	11	0.08
33043550	560	2L	2.3	7	20	12	0.07
33043650	560	2L	2.4	8	19	8	0.06
33043651	600	2L	2.4	5	19	8	0.08
33043700	490	2L	2.4	6	18	20	0.07
33043701	790	3	3.5	9	29	18	0.11
33043750	970	3	4.0	10	30	21	0.13
33043800	540	2L	4.8	7	26	25	0.11
33043850	830	2L	3.3	10	21	17	0.13
33043851	720	2L	2.8	8	26	16	0.11

Sample No.	Mn ppm-I	Mo ppm-I	Na %-I	Nb ppm-I	Nd ppm-I	Ni ppm-I	P %-I
33043950	600	2	3.6	7	17	14	0.08
33044000	730	2L	2.3	7	21	17	0.11
33044050	710	4	2.2	6	21	17	0.10
33044100	730	2L	2.2	7	23	20	0.08
33543550	390	2L	2.7	5	18	9	0.06
33543600	500	2L	2.4	7	19	11	0.08
33543650	1100	2L	3.0	10	33	21	0.12
33543700	900	4	3.0	11	34	20	0.11
33543750	340	2L	2.8	5	17	4	0.06
33543850	820	6	4.2	13	25	22	0.09
33543900	710	2L	2.4	6	20	20	0.10
33544000	860	2L	2.3	6	24	21	0.12
34043450	850	3	2.7	9	29	20	0.11
34043650	750	2L	2.5	8	25	18	0.10
34043651	310	2L	2.8	5	16	8	0.07
34043700	890	7	3.0	8	26	21	0.12
34043701	560	2L	2.6	7	23	13	0.09
34043702	500	2L	2.4	6	16	13	0.09
34043750	300	2L	2.9	6	15	7	0.06
34043800	290	2L	2.8	6	16	6	0.06
34043850	300	2L	2.2	4L	13	15	0.06
34043900	700	2L	3.5	4	23	19	0.16
34043950	620	2L	2.5	6	20	14	0.10
34543450	960	2L	2.1	7	24	15	0.12
34543550	730	2	3.0	8	21	16	0.09
34543600	290	2L	2.8	7	17	7	0.05
34543601	540	2L	2.5	5	18	10	0.17
34543650	400	2L	2.4	4	15	9	0.06
34543700	470	2L	2.5	7	17	10	0.07
34543701	430	2L	2.7	6	19	11	0.08

Sample No.	Mn ppm-I	Mo ppm-I	Na %-I	Nb ppm-I	Nd ppm-I	Ni ppm-I	P %-I
34543702	460	2L	2.8	12	19	24	0.09
34543750	400	2L	2.7	4L	21	10	0.07
34543800	400	2L	2.9	7	23	11	0.07
34543850	1200	2L	3.3	18	27	180	0.19
34543900	880	2	4.0	8	28	20	0.11
34543901	620	2L	3.2	6	18	17	0.08
34543950	740	2L	3.1	7	24	18	0.09
34543951	890	2L	2.1	8	21	26	0.12
35043450	580	2L	2.5	9	23	11	0.07
35043451	700	3	2.5	18	25	14	0.11
35043500	800	2L	2.0	15	27	19	0.10
35043550	570	2L	1.9	8	26	15	0.07
35043600	490	2L	2.8	7	23	12	0.09
35043601	400	2L	3.0	7	22	12	0.09
35043602	470	2L	2.5	5	17	10	0.07
35043650	440	2L	2.5	5	18	11	0.07
35043651	420	2L	2.7	5	19	9	0.08
35043700	520	2L	2.5	5	13	8	0.05
35043750	300	2L	2.9	7	17	8	0.06
35043800	650	2L	3.2	20	26	15	0.10
35043850	700	2L	4.8	8	23	26	0.10
35043851	830	2L	4.8	13	23	67	0.12
35043900	1200	2L	2.9	17	24	280	0.17
35043901	710	2	3.8	6	23	34	0.08
35043902	1200	3	4.6	17	25	190	0.18
35043903	1200	2L	3.6	17	24	210	0.18
35043950	990	2L	2.4	5	24	18	0.12
35044000	1000	2L	4.6	4L	22	13	0.09
35044050	650	2	6.1	13	21	18	0.11
35044100	810	4	2.0	4	18	22	0.14

Sample No.	Mn ppm-I	Mo ppm-I	Na %-I	Nb ppm-I	Nd ppm-I	Ni ppm-I	P %-I
35543400	640	2L	2.2	9	24	14	0.11
35543450	790	2L	2.5	9	28	16	0.12
35543451	700	5	3.1	8	22	17	0.10
35543500	980	2L	2.5	8	30	31	0.12
35543501	940	2	2.3	10	30	22	0.12
35543550	390	2L	2.6	6	17	11	0.07
35543600	440	2L	2.5	7	21	12	0.08
35543601	420	5	3.0	7	21	15	0.11
35543650	610	2L	2.9	6	20	15	0.09
35543700	550	2L	2.4	7	18	15	0.11
35543701	260	2L	2.5	4	15	4	0.06
35543750	330	2L	2.6	6	16	11	0.06
35543801	410	2L	2.9	5	17	9	0.08
35543850	730	2L	3.2	5	23	25	0.12
35543950	890	2L	2.8	6	17	12	0.06
35544050	770	5	3.5	6	24	20	0.11
35544100	780	2	3.1	5	23	20	0.12
36043450	800	4	3.5	6	25	21	0.11
36043500	960	2L	1.9	9	28	22	0.12
36043501	750	2L	2.6	8	24	13	0.13
36043550	820	7	2.8	8	27	21	0.11
36043551	900	3	3.3	7	25	25	0.11
36043600	620	3	2.7	7	22	15	0.11
36043601	600	2	2.4	7	23	18	0.09
36043700	470	2L	3.3	8	23	15	0.09
36043701	320	2L	2.7	4L	15	7	0.06
36043702	550	2L	2.7	7	22	13	0.09
36043750	780	2	3.2	8	27	23	0.09
36043800	300	2L	2.7	6	15	5	0.06
36043850	560	2	3.1	7	22	19	0.09

Sample No.	Mn ppm-I	Mo ppm-I	Na %-I	Nb ppm-I	Nd ppm-I	Ni ppm-I	P %-I
36043900	1000	2L	1.7	9	25	31	0.11
36043901	470	2L	2.6	6	19	14	0.07
36043950	450	2L	2.7	4	14	30	0.07
36043951	600	2L	2.6	5	15	34	0.07
36044050	1000	2	2.9	6	25	26	0.09
36044100	1100	4	7.1	5	22	18	0.11
36044150	790	5	2.7	6	22	21	0.11
36543450	310	2L	2.6	6	16	7	0.05
36543451	860	9	5.8	8	26	20	0.10
36543500	760	2L	3.0	7	21	18	0.14
36543550	780	2L	3.3	7	20	18	0.11
36543600	370	2L	2.5	6	15	8	0.07
36543650	650	5	4.0	8	27	18	0.09
36543700	630	2L	1.8	8	28	24	0.09
36543701	600	2L	2.2	9	22	12	0.13
36543750	310	2L	2.7	5	17	9	0.07
36543800	360	15	3.5	8	18	6	0.08
36543900	540	2L	2.9	7	19	14	0.10
36543950	380	2L	2.7	4	12	17	0.06
36544100	780	2	3.9	7	24	23	0.10
36544101	560	9	11.	8	17	15	0.08
36544150	660	12	9.6	6	19	20	0.08
37043450	400	2L	2.7	7	17	10	0.08
37043500	600	2L	4.9	7	20	17	0.11
37043550	460	2L	3.0	4	19	11	0.10
37043551	620	2L	5.2	8	21	16	0.12
37043601	560	2L	2.3	7	23	16	0.13
37043650	470	2L	2.7	5	18	10	0.09
37043651	680	5	3.0	8	23	20	0.12
37043700	710	3	3.5	8	23	18	0.12

Sample No.	Mn ppm-I	Mo ppm-I	Na %-I	Nb ppm-I	Nd ppm-I	Ni ppm-I	P %-I
37043750	580	2	1.7	7	26	22	0.09
37043751	660	2	1.8	9	32	24	0.10
37043800	790	2	2.4	9	34	22	0.12
37043850	430	3	3.4	6	20	10	0.11
37043851	570	3	3.2	6	21	14	0.13
37043852	410	3	1.9	6	23	16	0.09
37043853	430	3	2.4	7	19	13	0.11
37043900	780	2L	2.6	7	22	21	0.10
37043950	420	2L	4.1	6	13	13	0.06
37044150	630	15	13.0	4L	18	24	0.07
37044151	780	5	6.9	23	23	20	0.11
37044200	830	15	6.3	5	21	18	0.12
37543350	550	2L	2.4	7	21	8	0.08
37543400	860	2L	2.5	10	34	23	0.18
37543401	450	2L	2.6	21	20	7	0.06
37543450	680	2L	6.3	7	22	24	0.11
37543451	110	2L	28	4L	4L	3	0.02
37543500	540	2L	2.8	6	19	16	0.09
37543501	460	2L	3.9	8	19	10	0.11
37543550	360	2L	2.7	17	19	8	0.08
37543600	370	2L	2.5	6	19	9	0.08
37543650	470	2L	2.6	6	18	14	0.09
37543700	580	2L	2.6	10	23	15	0.12
37543750	700	2L	2.5	6	22	16	0.11
37543751	540	6	3.7	5	23	19	0.09
37543800	620	2	3.6	7	25	20	0.11
37543850	490	2L	2.3	7	19	16	0.12
37543851	410	2L	2.4	5	20	13	0.11
37543852	650	2L	2.4	4L	18	13	0.13
37543853	430	4	1.9	6	23	16	0.11

Sample No.	Mn ppm-I	Mo ppm-I	Na %-I	Nb ppm-I	Nd ppm-I	Ni ppm-I	P %-I
37543900	570	2L	3.0	6	17	16	0.12
37543901	600	2	2.5	6	17	16	0.12
37543950	670	2L	3.3	5	17	15	0.10
37544150	790	3	5.8	6	24	16	0.10
37544200	700	4	9.4	6	19	17	0.07
38043350	380	2L	2.7	6	22	8	0.05
38043400	350	2L	3.1	5	17	4	0.07
38043450	310	2L	3.0	4L	16	1L	0.06
38043451	370	2L	6.0	9	21	6	0.08
38043500	400	2L	2.6	7	20	9	0.09
38043750	580	2L	2.6	7	23	10	0.07
38043800	680	2L	2.2	6	22	15	0.11
38043850	520	2	3.2	5	20	14	0.12
38043900	460	2L	2.8	4L	15	15	0.13
38043901	480	2L	2.6	6	21	15	0.15
38043950	300	2L	3.1	5	14	14	0.06
38044000	640	2L	4.0	5	15	24	0.08
38044100	710	2L	5.1	5	16	28	0.07
38044150	720	2L	7.1	5	21	19	0.09
38044200	690	3	7.6	8	20	17	0.08
38044250	790	2	2.6	8	24	24	0.12
38543800	750	2L	2.3	6	25	15	0.16
38543850	650	7	7.4	6	21	18	0.12
38543900	750	5	6.0	8	26	17	0.12
38544000	610	2L	4.0	6	16	28	0.08
38544050	640	2L	4.2	6	15	22	0.07
38544100	790	2L	7.8	5	22	24	0.09
38544150	760	2L	6.2	9	20	22	0.09
38544200	720	3	6.5	6	21	25	0.11
38544250	540	7	6.9	6	21	24	0.09

Sample No.	Mn ppm-I	Mo ppm-I	Na %-I	Nb ppm-I	Nd ppm-I	Ni ppm-I	P %-I
39043850	650	2L	2.3	13	30	9	0.10
39043900	810	6	4.8	7	23	20	0.10
39043950	630	3	7.6	4L	20	19	0.10
39044000	580	2L	5.2	4	18	20	0.10
39044050	590	2L	4.6	6	16	24	0.09
39044051	600	2L	4.2	8	17	24	0.08
39044100	600	2	7.0	12	19	26	0.10
39044150	580	2	8.3	5	16	29	0.08
39044200	670	3	7.2	7	21	30	0.10
39044250	590	7	7.8	6	20	23	0.08
39044300	550	3	2.5	7	21	23	0.11
39543950	530	2L	2.4	7	24	18	0.11
39544000	620	2L	2.7	7	27	27	0.10
39544050	570	2L	3.4	5	14	24	0.07
39544051	440	2L	1.2	11	31	24	0.09
39544100	580	2L	2.9	4L	13	27	0.07
39544101	560	2L	1.8	17	28	20	0.07
39544150	660	2L	4.7	5	19	24	0.09
39544200	510	4	7.0	4L	20	20	0.10
39544250	600	2L	4.9	7	22	26	0.09
39544300	630	2L	2.8	9	26	22	0.10
39544350	710	2	2.1	10	27	27	0.10
39544351	790	2L	2.6	9	24	26	0.12
39544400	770	3	1.9	7	26	33	0.11
39544450	710	2L	1.6	6	21	20	0.10
40044100	630	2L	2.6	7	21	20	0.09
40044150	630	2L	2.5	8	24	14	0.09
40044200	750	2L	2.7	11	28	17	0.11
40044250	640	2L	3.1	7	21	27	0.11
40044251	610	2L	2.7	5	22	30	0.11

Sample No.	Mn ppm-I	Mo ppm-I	Na %-I	Nb ppm-I	Nd ppm-I	Ni ppm-I	P %-I
40044300	560	2L	2.8	7	25	19	0.10
40044301	640	2L	2.5	7	25	21	0.10
40044350	610	2L	2.5	9	21	20	0.10
40044400	640	2L	0.6	8	26	29	0.07
40044401	590	2L	2.5	6	22	20	0.10
40044402	630	2L	0.9	9	27	31	0.09
40044450	750	2L	1.9	6	25	26	0.09

Table 5.--Continued

Sample No.	Pb ppm-I	S %-IR	Sb ppm-H	Sc ppm-I	Se ppm-H	Sr ppm-I	Th ppm-DN
01111	15	0.02	1.1	10	0.3	590	12.9
01121	13	0.02	1.0	7	.1L	570	10.2
01211	15	0.49	0.9	11	0.2	730	14.3
02111	20	0.14	1.1	10	0.3	590	15.3
02121	19	0.05	1.0	13	0.3	490	18.8
02211	18	0.2	0.8	10	0.4	540	15.5
03111	18	0.03	1.1	7	0.4	490	10.9
03121	18	0.04	1.0	7	0.3	490	14.2
03211	19	0.03	1.1	9	0.3	480	14.4
04111	15	0.12	1.5	12	0.6	710	13.9
04121	17	0.09	1.3	10	0.4	1200	13.9
04211	21	0.09	1.1	12	0.3	690	16.5
05111	16	0.02	0.8	6	.1L	570	9.93
05121	17	0.02	0.6	6	.1L	510	9.44
05211	17	0.11	0.6	5	0.3	480	10.3
06111	15	0.02	0.4	5	0.2	540	6.35
06121	18	0.16	0.9	10	0.2	530	14.9
06211	20	0.03	1.0	8	0.2	610	11.5
07111	16	0.08	0.7	12	0.3	490	10.1
07121	13	0.02	0.9	7	.1L	610	6.91
07211	16	.01L	0.8	5	.1L	560	5.29
08111	15	0.01	0.4	6	0.1	590	8.82
08121	17	0.02	0.8	6	0.2	560	10.7
08211	16	0.94	1.1	10	0.1	650	17.7
09111	16	0.17	1.0	12	0.5	440	16.1
09121	18	0.12	1.5	12	0.2	420	17.9
09211	15	0.01	0.5	4	.1L	480	6.37
10111	22	0.03	1.2	10	0.3	620	14.2
10121	20	0.02	1.1	10	0.4	650	10.7
10211	17	0.02	1.2	8	.1L	480	16.3

Sample No.	Pb ppm-I	S %-IR	Sb ppm-H	Sc ppm-I	Se ppm-H	Sr ppm-I	Th ppm-DN
11111	20	0.01	0.7	14	0.3	460	15.8
11121	15	0.02	0.6	9	0.2	520	11
11211	20	0.02	1.0	13	0.1	440	15.1
12111	11	0.02	0.3	4	0.2	720	14.5
12121	8	0.03	0.4	4	.1L	860	5.50L
12211	16	0.01	0.4	5	.1L	370	25.5
13111	19	0.03	0.8	9	0.6	460	12.8
13121	19	0.02	1.0	8	0.1	480	12
13211	17	0.01	1.3	4	.1L	440	8.78
14111	17	0.02	0.7	12	0.3	480	13.1
14121	17	0.01	0.9	12	0.4	490	10.3
14211	19	0.01	0.4	12	0.3	550	11.7
15111	29	0.04	0.8	10	0.4	590	9.72
15121	66	0.05	1.4	12	0.6	520	8.15
15211	19	0.01	0.4	5	.1L	520	6.79
16111	17	.01L	0.4	10	.1L	620	6.24
16121	18	0.01	0.4	11	.1L	640	9.19
16211	18	0.46	0.5	16	1.6	370	16.4
17111	14	0.02	0.7	11	.1L	670	5.69
17121	14	0.02	0.6	11	0.3	680	7.26
17211	14	0.01	1.2	11	0.6	480	12.3
18111	31	0.06	1.0	9	0H	610	7.8
18121	23	0.05	0.9	7	0.5	610	9.18
18211	17	0.11	0.8	8	0.6	690	12.8
19111	16	0.05	1.4	15	0.4	480	11.6
19121	20	0.05	0.7	15	0.3	450	13.4
19211	11	1.62	1.7	12	1.2	960	8.5
20111	16	0.03	0.6	10	0.2	560	5.97
20121	14	0.02	0.6	11	0.2	550	6.99
20211	14	.01L	2.7	12	0.3	720	5.76

Sample No.	Pb ppm-I	S %-IR	Sb ppm-H	Sc ppm-I	Se ppm-H	Sr ppm-I	Th ppm-DN
21111	14	0.01	0.4	5	.1L	520	6.56
21121	15	0.02	0.5	5	.1L	500	7.4
21211	15	0.01	0.5	5	.1L	500	6.13
22111	14	0.09	1.0	9	.1L	670	6.24
22121	13	0.09	1.5	9	.1L	690	10.2
22211	13	0.12	1.4	9	0.3	650	7.84
25542900	14	0.02	0.2	5	.1L	290	11.7
25542950	17	0.02	0.3	4	.1L	370	8.81
25543050	21	0.02	0.4	2	0.1	320	14
25543150	18	0.02	0.7	12	0.3	550	7.50L
25543200	12	0.03	0.6	12	0.3	410	4.60L
25543250	16	0.02	0.3	10	0.4	750	4.8
25543300	14	.01L	0.4	5	.1L	470	32.8
26042900	17	0.02	0.2	6	0.2	270	12.7
26042950	16	0.07	0.4	7	0.2	250	12.9
26043000	18	0.01	0.6	7	.1L	440	16.1
26043050	17	0.05	0.6	5	0.4	360	86.00L
26043100	19	0.11	0.4	3	1.2	320	38.00L
26043150	20	0.05	0.8	10	0.2	520	14.6
26043200	17	0.05	0.8	12	0.4	660	10.1
26043250	16	0.03	0.8	7	.1L	570	10.9
26043300	17	.01L	0.3	2	.1L	550	7.1
26043350	27	0.03	0.5	7	.1L	430	15.6
26043400	19	0.01	0.9	7	.1L	390	7.00L
26542950	19	0.04	0.5	9	0.2	800	12.1
26543000	14	0.02	0.6	7	.1L	390	18.5
26543050	16	0.02	0.3	4	0.1	350	8.54
26543100	19	0.05	1.2	10	0.4	720	12.2
26543250	17	0.02	0.9	7	0.3	560	6.60L
26543300	21	.01L	0.4	4	.1L	520	10.6

Sample No.	Pb ppm-I	S %-IR	Sb ppm-H	Sc ppm-I	Se ppm-H	Sr ppm-I	Th ppm-DN
26543350	29	0.02	1.0	10	.1L	610	13.1
26543400	17	0.01	0.4	5	.1L	370	11.1
27043000	15	0.04	0.9	10	0.4	730	10.7
27043050	18	0.04	0.7	13	0.6	780	9.77
27043150	18	0.02	0.7	9	.1L	560	12.8
27043200	17	0.01	0.5	8	.1L	690	15.1
27043250	24	0.02	0.5	7	0.4	490	8.03
27043300	17	0.02	0.5	3	.1L	440	10.1
27043350	20	0.04	0.8	7	0.3	540	8.94
27043400	20	0.01	0.5	8	0.2	450	16.1
27043450	10	.01L	0.8	26	.1L	530	9.02
27543050	15	0.02	0.9	12	0.2	560	10.7
27543100	18	0.02	0.6	8	0.2	520	13.7
27543150	18	0.02	0.7	8	0.1	530	17.1
27543200	19	0.02	0.5	9	0.2	570	12.7
27543201	15	0.03	0.5	8	0.1	480	13.9
27543250	17	0.02	0.6	8	0.4	460	12
27543400	13	0.01	0.6	14	0.2	490	11
27543450	14	0.01	0.7	16	0.3	470	7.8
28043050	19	0.02	2.5	17	0.5	260	10.1
28043100	16	0.02	0.8	8	0.1	520	13
28043150	18	0.02	0.9	11	0.3	640	10.7
28043450	42	0.02	1.3	6	0.5	460	11.7
28043451	19	0.02	0.7	10	0.6	680	7.36
28043500	18	0.02	0.4	13	.1L	460	6.11
28543400	15	0.02	0.7	10	0.1	500	15.1
28543450	19	0.02	0.3	4	0.1	490	7.77
28543550	20	0.01	0.5	12	0.1	570	10.6
29043500	52	0.04	1.4	11	0H	550	13.4
29043550	21	0.01	0.7	15	0.3	400	11.5

Sample No.	Pb ppm-I	S %-IR	Sb ppm-H	Sc ppm-I	Se ppm-H	Sr ppm-I	Th ppm-DN
29043600	18	0.12	0.6	11	0.2	530	10.8
29543500	55	0.03	1.6	10	0H	550	10.3
29543600	20	0.1	0.8	12	.1L	580	12
30043500	19	0.05	0.7	11	0.6	600	12.8
30043550	18	0.02	0.7	8	0.3	550	8.25
30043600	18	0.01	0.9	13	0.4	510	10.3
30043650	21	0.02	1.1	12	0.6	390	12
30543500	85	0.05	2.5	10	0H	490	8.96
30543550	15	0.02	0.9	14	0.6	470	11.2
30543551	9	0.02	1.6	16	1.7	490	7.33
30543650	17	0.02	0.9	12	0H	640	10.4
30543850	13	0.02	0.7	11	.1L	540	7.88
31043450	16	0.01	0.5	7	0.2	560	8.48
31043500	19	0.01	0.6	6	.1L	510	11.7
31043550	18	0.01	0.9	7	0.4	530	9.16
31043600	16	0.02	1.5	10	0.6	480	8.5
31043650	14	0.01	0.5	10	0.2	660	7.24
31043800	14	0.07	1.2	12	0.3	570	7.32
31043900	15	0.03	0.5	12	.1L	540	6.74
31543450	21	0.03	1.3	11	0.4	580	17.6
31543550	20	0.01	0.3	5	.1L	520	10.5
31543600	14	0.01	1.0	8	0.3	850	14.2
31543650	16	0.02	0.5	11	0.4	500	11.6
31543800	12	0.03	0.9	18	.1L	640	4.8
31543850	12	0.02	0.6	11	.1L	530	7.78
31543900	16	0.16	0.8	14	0.3	470	12.6
32043450	19	0.04	0.8	12	0.6	560	16.4
32043500	18	0.02	0.5	6	0.2	550	13.3
32043550	16	.01L	0.6	5	.1L	470	10.6
32043551	18	0.01	0.7	7	0.3	500	12.4

Sample No.	Pb ppm-I	S %-IR	Sb ppm-H	Sc ppm-I	Se ppm-H	Sr ppm-I	Th ppm-DN
32043600	17	.01L	0.5	7	0.1	620	11
32043650	15	0.02	0.8	9	0.2	710	9.09
32043800	13	0.03	1.0	15	0.3	670	7.38
32043850	14	0.43	0.8	13	0.4	510	9.46
32043950	14	0.2	1.8	13	1.1	500	16
32543450	19	0.7	0.8	12	0.8	590	18.5
32543500	20	0.09	0.7	12	0.9	520	15.5
32543550	23	0.02	0.7	12	0.5	480	16.7
32543600	14	.01L	0.8	6	0.3	520	11.2
32543601	15	0.01	0.8	5	.1L	480	9.96
32543650	16	0.01	0.5	7	.1L	520	9.64
32543701	15	0.17	0.7	8	0.1	540	9.44
32543750	13	0.02	1.0	14	0.3	540	8.28
32543800	12	0.48	0.7	17	0.6	620	6.1
32543850	14	0.15	1.2	13	0.5	460	11.6
32543900	13	0.41	0.8	11	0.4	530	9.5
32543950	15	0.04	0.9	12	0.2	610	9.96
32544000	13	0.09	0.7	11	0.4	700	7.41
32544050	17	0.02	0.6	14	0.3	560	7.09
32544100	14	0.02	1.1	11	0.3	540	4.81
33043500	18	0.01	0.6	7	0.2	550	7.62
33043550	19	0.02	0.6	6	0.2	490	12.8
33043650	16	0.01	1.0	5	.1L	530	13.7
33043651	16	0.01	0.9	6	.1L	580	9.71
33043700	32	0.02	0.9	7	0.3	600	10
33043701	20	0.29	0.8	10	0.3	540	15.5
33043750	19	0.18	1.3	13	0.4	510	19.1
33043800	14	0.55	1.0	12	0.8	530	13.4
33043850	12	0.05	1.1	12	0.3	530	8.25
33043851	13	0.01	0.4	13	.1L	640	7.07

Sample No.	Pb ppm-I	S %-IR	Sb ppm-H	Sc ppm-I	Se ppm-H	Sr ppm-I	Th ppm-DN
33043950	12	0.04	0.6	11	0.2	740	5.78
33044000	12	0.01	0.6	11	0.2	600	6.08
33044050	12	1.7	1.7	11	0.6	980	9.95
33044100	14	0.01	1.4	12	.1L	520	6.48
33543550	15	.01L	0.7	6	.1L	550	9.63
33543600	15	0.04	1.2	7	0.3	470	11
33543650	20	0.02	1.3	12	0.2	500	20.1
33543700	21	0.51	0.8	12	0.7	570	18
33543750	15	0.02	0.5	5	.1L	530	10.4
33543850	16	0.19	0.8	14	0.8	430	11.5
33543900	12	0.01	0.5	12	.1L	590	7.44
33544000	13	0.02	0.9	13	0.3	600	5.88
34043450	19	0.35	1.8	11	1	560	18.3
34043650	18	0.02	0.8	10	0.2	560	14.4
34043651	21	.01L	0.5	5	.1L	520	8.16
34043700	21	0.28	1.1	10	1.1	550	15.4
34043701	16	0.01	0.9	9	0.3	620	10.3
34043702	16	0.02	0.7	6	0.6	550	10.7
34043750	6	.01L	0.5	5	.1L	510	8.26
34043800	16	.01L	0.4	5	.1L	530	8.99
34043850	16	0.02	0.5	5	0.1	470	8.84
34043900	14	0.18	1.2	13	0.2	580	8.6
34043950	13	.01L	0.5	11	.1L	590	6.88
34543450	16	0.01	0.7	9	0.2	710	10.9
34543550	18	0.58	0.8	8	0.6	590	12.3
34543600	17	0.02	0.5	5	.1L	550	7.18
34543601	55	0.06	1.0	7	0.5	570	9.86
34543650	16	0.02	0.5	5	0.2	550	8.64
34543700	17	0.02	0.6	6	0.2	520	10.3
34543701	16	0.01	0.5	6	0.2	570	10

Sample No.	Pb ppm-I	S %-IR	Sb ppm-H	Sc ppm-I	Se ppm-H	Sr ppm-I	Th ppm-DN
34543702	15	0.03	0.4	7	0.2	550	8.77
34543750	14	0.04	0.8	6	.1L	550	14.1
34543800	18	0.06	0.4	7	0.2	530	11.5
34543850	8	0.07	0.6	23	0.6	420	5.86
34543900	17	0.08	1.1	14	0.3	530	15
34543901	13	0.09	0.4	11	0.2	520	5.57
34543950	16	0.05	1.0	11	.1L	480	12.7
34543951	12	0.01	1.0	13	0.2	600	6.6
35043450	17	0.03	0.9	7	0.2	420	14.1
35043451	20	0.02	0.6	9	0.2	550	12.7
35043500	24	0.04	0.9	11	0.4	480	17.4
35043550	22	0.03	0.9	11	0.6	480	14.2
35043600	17	0.02	0.9	8	0.4	630	10.9
35043601	18	0.02	0.7	8	0.2	610	13.6
35043602	20	0.02	0.8	7	0.3	580	9.16
35043650	17	0.02	0.5	7	0.2	560	7.79
35043651	20	0.02	0.9	7	0.3	600	9.69
35043700	19	0.01	0.8	4	.1L	490	5.76
35043750	16	0.05	0.8	4	0.2	480	9.1
35043800	17	0.1	0.8	9	0.4	600	14
35043850	16	0.08	1.0	12	0.2	570	13
35043851	11	0.05	0.6	16	0.2	540	7.01
35043900	6	0.07	0.4	25	0.4	420	2.8
35043901	15	0.08	1.4	13	0.3	550	11
35043902	4	0.08	0.3	28	0.2	440	2.7
35043903	4L	0.06	0.4	26	0.8	450	3.6
35043950	13	0.03	1.3	12	0.3	950	9.81
35044000	14	0.17	1.5	8	0.3	1700	12.1
35044050	14	0.19	1.1	10	0.4	970	12.7
35044100	11	0.33	1.5	8	0.3	1400	11.3

Sample No.	Pb ppm-I	S %-IR	Sb ppm-H	Sc ppm-I	Se ppm-H	Sr ppm-I	Th ppm-DN
35543400	16	0.02	1.3	8	0.4	510	15.3
35543450	22	0.02	1.0	10	0.3	680	14.3
35543451	19	0.14	1.7	9	0.5	610	14.7
35543500	24	0.21	1.0	13	0.2	510	16.4
35543501	20	0.1	1.6	12	0.3	480	15.5
35543550	21	0.05	0.6	6	0.2	530	7.82
35543600	18	0.01	0.8	8	.1L	530	12.3
35543601	24	0.15	1.2	9	0.6	500	9.97
35543650	17	0.14	1.3	8	0.3	580	12.2
35543700	17	0.01	0.6	6	0.2	640	9.55
35543701	15	0.08	0.6	4	.1L	520	6.79
35543750	14	.01L	0.6	5	.1L	530	9.61
35543801	21	0.08	1.0	6	0.5	620	9.5
35543850	15	0.08	1.6	10	0.5	830	13
35543950	13	0.04	0.6	10	.1L	510	7.2
35544050	17	0.18	1.8	10	0.5	910	11.9
35544100	14	0.66	1.3	11	0.3	1000	11.7
36043450	17	0.1	1.0	11	0.2	560	5.60L
36043500	20	0.09	1.4	12	0.6	520	17.5
36043501	14	0.05	1.0	9	0.5	620	12.1
36043550	28	0.44	1.3	11	0H	490	15
36043551	15	0.37	1.6	12	0.8	520	16.1
36043600	15	0.32	1.1	9	0.4	590	12.9
36043601	19	0.08	1.0	11	0.1	470	14.9
36043700	17	0.06	0.6	9	0.4	610	9.3
36043701	20	0.02	0.7	5	0.3	560	7.59
36043702	19	0.02	0.8	8	0.2	580	12
36043750	20	0.08	1.0	12	0.4	520	14.5
36043800	15	0.08	0.6	5	.1L	540	6.58
36043850	14	0.25	1.6	9	0.5	550	13.2

Sample No.	Pb ppm-I	S %-IR	Sb ppm-H	Sc ppm-I	Se ppm-H	Sr ppm-I	Th ppm-DN
36043900	150	0.02	3.5	12	0H	540	15.4
36043901	21	0.03	0.6	7	0.3	550	7.73
36043950	4	0.02	0.6	8	.1L	590	5.98
36043951	14	0.03	0.8	10	0.3	680	4.6
36044050	15	0.1	2.3	10	0.4	970	12.9
36044100	14	0.25	2.0	9	0.4	1200	16.2
36044150	15	0.39	1.9	10	1.4	990	13.9
36543450	14	.01L	0.6	5	.1L	530	6.99
36543451	15	0.16	1.6	11	0.4	450	18.9
36543500	15	0.05	0.8	9	0.2	640	11.4
36543550	15	0.17	1.4	10	0.6	760	15.3
36543600	15	.01L	0.7	6	.1L	530	6.83
36543650	17	0.82	0.8	12	0.5	480	13.8
36543700	20	0.03	1.6	13	0.4	480	13.7
36543701	26	0.06	0.9	9	0.6	550	11.4
36543750	17	0.02	0.6	6	0.1	550	10.5
36543800	15	0.32	0.7	6	0.6	520	10.6
36543900	14	0.19	0.8	9	.1L	660	9.58
36543950	14	0.04	0.7	6	.1L	570	4.6
36544100	16	0.23	1.5	12	0.4	640	14.8
36544101	13	0.35	1.6	9	0.7	520	11.4
36544150	16	0.37	1.4	11	0.7	470	19.1
37043450	17	0.02	0.6	7	0.1	540	7.24
37043500	14	0.1	1.6		0.7	1100	11.8
37043550	16	0.04	0.9	7	.1L	580	7.46
37043551	15	0.13	1.3	9	0.5	630	12.9
37043601	13	0.03	1.1	9	0.4	440	8.27
37043650	14	0.06	0.8	7	0.4	620	8.17
37043651	15	0.58	1.4	11	0.7	550	16.8
37043700	17	0.78	1.6	10	0.4	860	16.5

Sample No.	Pb ppm-I	S %-IR	Sb ppm-H	Sc ppm-I	Se ppm-H	Sr ppm-I	Th ppm-DN
37043750	20	0.03	1.2	12	1.1	460	16.9
37043751	20	0.04	0.8	14	0.4	470	16.9
37043800	21	0.14	0.9	15	1.0	530	13.2
37043850	14	0.2	0.8	8	0.3	720	9.67
37043851	13	0.16	1.5	9	0.3	620	11.3
37043852	17	0.17	1.5	11	0.5	560	11.9
37043853	14	0.28	1.3	8	0.6	670	10.8
37043900	16	0.12	1.7	11	0.3	640	15.3
37043950	13	0.11	0.5	7	0.3	580	9.15
37044150	12	0.48	1.8	8	0.7	430	18.1
37044151	14	0.34	0.7	12	0.6	580	13.7
37044200	15	0.21	1.4	9	0.8	950	16.8
37543350	16	.01L	0.7	8	0.2	510	8.61
37543400	15	0.02	0.5	13	0.2	580	8.96
37543401	15	0.01	0.5	6	0.1	530	7.15
37543450	17	0.17	1.2	10	0.3	560	12.1
37543451	4L	0.26	0.5	2L	0.2	150	4.14
37543500	14	0.04	1.3	8	0.2	580	8.46
37543501	16	0.07	1.0	7	0.5	640	12.2
37543550	11	0.01	0.5	6	.1L	560	6.52
37543600	14	0.01	0.7	6	.1L	520	6.41
37543650	13	.01L	0.5	8	.1L	560	6.17
37543700	14	0.02	0.7	9	.1L	740	6.02
37543750	14	0.18	1.1	9	0.3	780	12.9
37543751	15	0.64	1.5	10	0.6	690	15.7
37543800	15	0.31	1.0	11	0.4	530	14.6
37543850	15	0.17	1.1	8	0.4	900	9.05
37543851	12	0.17	1.1	8	0.2	700	9.76
37543852	12	0.12	2.2	7	0.4	970	8.42
37543853	15	0.14	1.0	10	0.6	620	13.2

Sample No.	Pb ppm-I	S %-IR	Sb ppm-H	Sc ppm-I	Se ppm-H	Sr ppm-I	Th ppm-DN
37543900	13	0.13	1.0	8	0.2	730	9.28
37543901	14	0.22	0.9	8	0.2	840	10.8
37543950	12	0.09	0.8	8	0.2	1000	8.06
37544150	14	0.24	1.0	11	0.4	790	18.1
37544200	14	0.33	1.4	10	0.5	510	13.1
38043350	16	0.02	0.5	6	.1L	530	10.1
38043400	19	0.01	0.5	4	.1L	610	9.08
38043450	22	0.02	0.3	3	0.2	700	6.9
38043451	14	0.23	0.7	6	.1L	420	13.5
38043500	13	0.01	0.4	6	.1L	540	5.93
38043750	18	0.01	0.6	7	0.3	550	9.23
38043800	16	0.27	1.1	9	0.3	730	9.73
38043850	13	0.19	1.3	8	0.3	760	11.5
38043900	14	0.08	1.6	7	0.2	890	8.6
38043901	14	0.19	1.2	8	0.3	640	10.7
38043950	13	0.03	0.6	6	.1L	650	5.31
38044000	12	0.08	1.4	9	.1L	820	9.5
38044100	15	0.18	0.9	10	0.3	710	11.4
38044150	16	0.27	1.1	13	.1L	540	16
38044200	14	0.38	0.8	10	0.2	650	15.7
38044250	16	0.15	1.8	11	0.8	670	11.7
38543800	15	0.02	1.5	10	0.4	970	8.41
38543850	15	0.3	1.5	9	1	640	15.7
38543900	18	0.34	1.4	11	0.4	500	18.1
38544000	14	0.12	1.3	9	0.2	800	12.3
38544050	13	0.13	1.5	9	.1L	760	9.48
38544100	17	0.21	1.0	12	0.2	500	13.6
38544150	17	0.19	1.1	11	0.4	460	14.1
38544200	13	0.17	1.4	11	0.2	560	11.4
38544250	13	0.44	1.4	9	0.8	690	12.8

Sample No.	Pb ppm-I	S %-IR	Sb ppm-H	Sc ppm-I	Se ppm-H	Sr ppm-I	Th ppm-DN
39043850	20	0.05	1.0	7	0.4	440	14.3
39043900	16	0.95	0.7	10	0.3	620	16.1
39043950	14	0.33	1.4	9	0.4	570	7.3
39044000	14	0.15	1.4	10	.1L	750	9.11
39044050	13	0.12	2.3	12	0.3	890	10.2
39044051	14	0.08	1.2	9	.1L	930	10.6
39044100	16	0.36	1.2	11	0.3	460	12.8
39044150	12	0.29	0.9	10	0.2	440	12.3
39044200	14	0.24	1.2	12	0.2	410	11.3
39044250	13	0.29	1.6	9	0.8	630	13.4
39044300	11	0.02	2.8	11	1.1	540	10
39543950	18	0.04	2.0	9	0.5	680	10.1
39544000	17	0.15	1.5	11	1.2	550	12.3
39544050	14	0.06	1.0	8	.1L	720	6.5
39544051	16	.01L	1.6	11	1.0	440	15.1
39544100	15	0.03	1.3	8	.1L	720	6.83
39544101	22	0.03	1.4	8	0.2	360	19.9
39544150	14	0.08	2.1	10	.1L	870	11.5
39544200	14	0.19	1.8	8	0.4	700	15.1
39544250	15	0.21	1.3	10	0.3	630	10.3
39544300	15	0.06	1.4	11	0.7	520	11.6
39544350	17	0.04	1.9	12	0.4	420	11.3
39544351	16	0.02	1.3	12	0.3	580	8.76
39544400	17	0.02	1.4	10	1	360	9.55
39544450	17	0.03	2.9	10	0.4	650	9.41
40044100	15	0.02	1.2	10	0.5	650	10.4
40044150	15	.01L	1.0	8	0.1	690	7.84
40044200	18	0.01	0.9	11	0.2	670	11
40044250	11	0.04	1.1	12	0.4	610	6.85
40044251	13	0.02	1.0	11	0.2	610	9.56

Sample No.	Pb ppm-I	S %-IR	Sb ppm-H	Sc ppm-I	Se ppm-H	Sr ppm-I	Th ppm-DN
40044300	13	0.04	1.5	9	0.5	660	11
40044301	20	0.08	3.6	10	0.7	650	10.6
40044350	14	0.11	1.3	10	0.4	650	10.6
40044400	34	0.02	4.5	11	0.7	460	10.5
40044401	14	0.09	0.9	10	0.5	560	10.4
40044402	20	0.02	7.4	11	0.4	390	12
40044450	19	0.03	2.6	10	0.4	500	10.9

Table 5.--Continued.

Sample	Ti %-I	U ppm-DN	V ppm-I	Y ppm-I	Yb ppm-I	Zn ppm-I
01111	0.29	5.72	110	14	2	81
01121	0.25	2.55	56	11	1	40
01211	0.32	4.42	110	14	1	81
02111	0.36	5.56	87	14	2	77
02121	0.42	5.09	110	16	2	100
02211	0.35	3.92	87	14	2	77
03111	0.27	3.03	61	11	1	51
03121	0.27	3.45	67	11	1	56
03211	0.32	5.43	81	13	1	75
04111	0.34	5.04	120	15	2	87
04121	0.30	8.28	120	22	2	77
04211	0.35	5.33	100	17	2	97
05111	0.23	2.11	53	9	1L	32
05121	0.23	2.29	56	9	1	36
05211	0.21	2.52	64	8	1L	42
06111	0.22	1.98	48	10	1	33
06121	0.39	8.42	120	14	2	76
06211	0.32	3.50	68	12	1	54
07111	0.45	2.89	100	20	2	76
07121	0.26	2.03	53	11	1	32
07211	0.20	1.84	40	9	1	26
08111	0.21	2.61	51	10	1	34
08121	0.23	2.39	73	10	1	37
08211	0.32	7.19	100	13	2	83
09111	0.36	5.02	100	16	2	95
09121	0.38	5.77	100	15	2	94
09211	0.17	2.08	35	8	1L	23
10111	0.47	3.23	140	14	2	79
10121	0.43	2.92	130	14	2	72
10211	0.38	3.98	120	14	2	58

Sample	Ti %-I	U ppm-DN	V ppm-I	Y ppm-I	Yb ppm-I	Zn ppm-I
11111	0.42	5.11	120	20	2	88
11121	0.31	4.48	88	13	2	57
11211	0.41	5.54	110	16	2	88
12111	0.17	13.80	39	6	1L	43
12121	0.18	14.40	42	7	1L	39
12211	0.29	9.22	110	14	2	60
13111	0.32	3.33	83	13	1	66
13121	0.28	2.85	75	11	1	57
13211	0.20	2.41	51	7	1L	33
14111	0.44	3.10	130	19	2	91
14121	0.45	3.06	120	17	2	91
14211	0.55	3.12	130	16	2	90
15111	0.40	3.00	110	13	2	89
15121	0.37	2.78	110	13	1	120
15211	0.25	2.18	55	10	1	37
16111	0.56	2.50	160	16	2	80
16121	0.51	2.39	140	16	2	76
16211	0.45	3.85	110	19	2	120
17111	0.42	2.12	110	13	2	65
17121	0.43	2.15	110	13	2	67
17211	0.35	2.48	98	14	2	74
18111	0.35	6.52	92	11	1	85
18121	0.30	3.09	75	10	1	55
18211	0.34	3.76	91	12	1	68
19111	0.43	4.57	130	16	2	93
19121	0.45	5.21	130	17	2	98
19211	0.34	7.42	110	13	2	72
20111	0.34	2.13	120	12	1	59
20121	0.32	2.26	100	12	1	59
20211	0.46	1.72	120	16	2	71

Sample	Ti %-I	U ppm-DN	V ppm-I	Y ppm-I	Yb ppm-I	Zn ppm-I
21111	0.19	1.71	42	8	1	24
21121	0.18	2.03	35	8	1L	23
21211	0.19	2.07	45	8	1L	27
22111	0.24	2.20	87	10	1	65
22121	0.24	2.40	91	9	1	66
22211	0.25	2.30	91	9	1	66
25542900	0.22	3.52	44	12	1	49
25542950	0.25	3.42	53	10	1	57
25543050	0.17	4.34	25	6	1L	49
25543150	0.44	30.90	110	17	2	95
25543200	0.33	11.70	92	14	1	73
25543250	0.40	3.93	120	11	1	110
25543300	0.42	8.17	140	13	1	63
26042900	0.30	5.34	60	17	2	57
26042950	0.21	2.96	45	11	1	63
26043000	0.32	6.29	86	12	1	56
26043050	0.22	492.00	69	8	1L	45
26043100	0.18	188.00	51	7	1L	78
26043150	0.40	6.10	100	14	2	82
26043200	0.46	6.85	120	15	2	93
26043250	0.37	4.33	80	14	1	50
26043300	0.19	1.98	38	6	1L	38
26043350	0.28	8.03	72	10	1	68
26043400	0.35	24.00	68	13	1	53
26542950	0.43	4.76	110	14	2	68
26543000	0.29	4.61	100	15	2	54
26543050	0.23	2.11	67	10	1	38
26543100	0.48	3.76	130	12	1	75
26543250	0.34	22.70	92	10	1	47
26543300	0.29	4.90	56	10	1	49

Sample	Ti %-I	U ppm-DN	V ppm-I	Y ppm-I	Yb ppm-I	Zn ppm-I
26543350	0.31	6.19	74	10	1	70
26543400	0.21	3.39	44	9	1	36
27043000	0.49	4.73	140	11	1	73
27043050	0.48	3.41	130	17	2	95
27043150	0.35	3.85	89	16	2	52
27043200	0.40	3.54	100	13	2	46
27043250	0.24	2.09	65	10	1	88
27043300	0.18	2.11	43	7	1L	29
27043350	0.31	3.53	77	10	1	61
27043400	0.33	4.44	86	17	2	51
27043450	0.49	2.72	220	17	2	59
27543050	0.44	2.55	120	15	2	83
27543100	0.40	3.59	110	14	2	57
27543150	0.43	4.67	100	19	2	54
27543200	0.56	4.61	150	17	2	60
27543201	0.37	4.71	110	15	2	47
27543250	0.40	4.77	98	13	2	50
27543400	0.38	2.99	150	17	2	45
27543450	0.41	3.05	140	19	2	62
28043050	0.41	3.22	110	27	3	71
28043100	0.44	9.21	120	15	2	56
28043150	0.45	3.49	120	15	2	250
28043450	0.25	2.56	72	9	1L	90
28043451	0.45	4.56	140	15	2	87
28043500	0.35	2.41	120	13	2	75
28543400	0.41	4.40	85	15	2	67
28543450	0.21	2.18	50	7	1L	35
28543550	0.48	3.32	140	15	2	86
29043500	0.43	5.42	110	14	2	130
29043550	0.40	3.35	130	19	2	68

Sample	Ti %-I	U ppm-DN	V ppm-I	Y ppm-I	Yb ppm-I	Zn ppm-I
29043600	0.54	3.70	160	16	2	92
29543500	0.39	4.56	110	12	2	120
29543600	0.64	3.64	210	18	2	110
30043500	0.39	3.89	100	13	2	91
30043550	0.34	2.30	82	11	1	55
30043600	0.52	2.97	160	16	2	95
30043650	0.42	2.98	110	15	2	93
30543500	0.38	6.37	100	13	1	180
30543550	0.42	3.35	130	18	2	100
30543551	0.49	2.59	170	15	2	83
30543650	0.57	2.25	170	15	2	91
30543850	0.34	2.15	110	12	1	58
31043450	0.28	2.42	75	11	1	43
31043500	0.28	3.16	62	9	1	43
31043550	0.27	3.72	65	11	1	53
31043600	0.33	2.49	94	13	1	75
31043650	0.37	2.45	100	14	2	64
31043800	0.39	2.54	110	15	2	71
31043900	0.34	1.90	120	12	1	66
31543450	0.44	6.19	110	16	2	94
31543550	0.22	2.30	50	9	1	31
31543600	0.28	2.91	67	14	2	60
31543650	0.36	2.82	82	16	2	78
31543800	0.46	2.26	160	15	2	82
31543850	0.32	2.05	100	13	1	58
31543900	0.40	3.71	110	17	2	93
32043450	0.46	4.51	120	17	2	93
32043500	0.25	3.05	60	11	1	37
32043550	0.22	2.07	53	9	1	34
32043551	0.27	3.14	61	11	1	51

Sample	Ti %-I	U ppm-DN	V ppm-I	Y ppm-I	Yb ppm-I	Zn ppm-I
32043600	0.29	2.93	73	13	1	51
32043650	0.39	2.09	98	15	2	50
32043800	0.48	1.78	170	15	2	86
32043850	0.40	3.92	110	15	2	83
32043950	0.37	12.30	130	13	2	85
32543450	0.47	7.10	140	16	2	98
32543500	0.35	4.99	110	15	2	95
32543550	0.47	6.11	110	17	2	110
32543600	0.26	2.11	57	10	1	39
32543601	0.21	2.16	50	9	1L	31
32543650	0.30	1.99	69	12	1	39
32543701	0.28	2.30	74	12	1	43
32543750	0.48	2.21	140	19	2	82
32543800	0.56	2.26	190	16	2	93
32543850	0.38	3.45	110	14	2	80
32543900	0.32	2.69	97	12	1	67
32543950	0.38	4.39	110	14	2	71
32544000	0.36	3.05	99	15	2	65
32544050	0.47	2.59	100	23	3	78
32544100	0.37	2.14	100	15	2	53
33043500	0.27	2.66	71	12	1	45
33043550	0.26	2.90	65	11	1	49
33043650	0.23	3.27	61	13	1	33
33043651	0.27	2.85	67	13	1	39
33043700	0.32	2.88	79	10	1	86
33043701	0.42	9.93	96	15	2	95
33043750	0.43	5.74	120	16	2	100
33043800	0.38	2.80	97	15	2	71
33043850	0.39	1.84	110	15	2	71
33043851	0.44	1.83	110	18	2	65

Sample	Ti %-I	U ppm-DN	V ppm-I	Y ppm-I	Yb ppm-I	Zn ppm-I
33043950	0.31	2.92	92	13	1	50
33044000	0.40	1.85	130	16	2	62
33044050	0.37	6.59	230	15	2	66
33044100	0.40	2.20	98	17	2	64
33543550	0.23	2.42	53	9	1	39
33543600	0.29	2.55	69	12	1	48
33543650	0.46	4.73	110	16	2	96
33543700	0.43	12.50	100	16	2	100
33543750	0.22	2.28	55	9	1L	30
33543850	0.45	11.30	140	16	2	85
33543900	0.40	1.97	140	14	2	66
33544000	0.55	2.22	180	18	2	80
34043450	0.42	5.49	120	15	2	93
34043650	0.37	5.22	94	14	2	83
34043651	0.21	2.61	45	9	1	29
34043700	0.40	6.69	130	14	2	93
34043701	0.36	3.20	83	12	1	58
34043702	0.27	3.02	67	10	1	47
34043750	0.20	2.11	47	8	1L	28
34043800	0.19	2.13	45	9	1L	26
34043850	0.19	2.13	50	8	1	29
34043900	0.38	2.63	110	17	2	76
34043950	0.38	1.87	100	15	2	57
34543450	0.33	2.57	77	18	2	64
34543550	0.34	4.86	98	12	1	60
34543600	0.21	2.03	45	9	1	28
34543601	0.26	3.72	63	11	1	150
34543650	0.22	3.04	53	9	1L	35
34543700	0.24	2.83	53	10	1	41
34543701	0.25	2.80	61	10	1	41

Sample	Ti %-I	U ppm-DN	V ppm-I	Y ppm-I	Yb ppm-I	Zn ppm-I
34543702	0.32	2.23	66	10	1	38
34543750	0.28	3.17	69	11	1	40
34543800	0.29	2.85	84	12	1	46
34543850	0.78	1.61	170	22	3	72
34543900	0.41	3.23	120	16	2	95
34543901	0.38	1.95	130	14	2	64
34543950	0.38	3.19	110	14	2	81
34543951	0.52	3.05	160	16	2	80
35043450	0.27	3.57	59	14	2	52
35043451	0.32	3.81	73	15	2	63
35043500	0.35	4.24	92	14	2	94
35043550	0.38	8.62	110	14	2	82
35043600	0.33	3.26	74	12	1	51
35043601	0.33	2.86	100	12	1	51
35043602	0.26	4.01	61	10	1	49
35043650	0.26	3.11	64	11	1	46
35043651	0.29	2.90	66	11	1	43
35043700	0.17	2.12	40	7	1L	27
35043750	0.19	2.47	44	8	1	24
35043800	0.37	6.57	83	14	2	69
35043850	0.36	3.50	97	15	2	78
35043851	0.53	2.47	120	17	2	64
35043900	0.80	1.04	170	23	3	66
35043901	0.40	3.37	110	15	2	76
35043902	0.87	1.17	190	23	3	66
35043903	0.82	1.25	190	22	3	66
35043950	0.33	5.15	110	17	2	70
35044000	0.22	8.01	72	18	2	56
35044050	0.29	5.23	91	16	2	69
35044100	0.23	5.01	87	14	2	64

Sample	Ti %-I	U ppm-DN	V ppm-I	Y ppm-I	Yb ppm-I	Zn ppm-I
35543400	0.27	3.58	59	15	2	61
35543450	0.36	4.11	86	16	2	79
35543451	0.32	6.08	92	14	2	69
35543500	0.39	5.75	110	16	2	100
35543501	0.41	4.81	110	16	2	100
35543550	0.25	3.94	58	10	1	46
35543600	0.28	3.03	69	11	1	50
35543601	0.28	7.59	76	12	1	74
35543650	0.31	4.80	95	11	1	53
35543700	0.23	3.34	57	11	1	44
35543701	0.20	2.52	48	7	1L	30
35543750	0.21	2.22	44	9	1L	26
35543801	0.25	4.89	51	10	1	49
35543850	0.29	5.45	97	13	2	75
35543950	0.34	1.87	120	12	2	58
35544050	0.32	6.45	110	15	2	82
35544100	0.30	4.04	97	17	2	87
36043450	0.36	12.70	110	14	2	85
36043500	0.38	5.40	110	15	2	96
36043501	0.32	3.72	71	15	2	54
36043550	0.39	4.79	100	15	2	94
36043551	0.35	5.83	110	14	2	95
36043600	0.30	4.34	82	12	1	71
36043601	0.31	4.55	98	13	2	74
36043700	0.36	3.12	83	13	1	60
36043701	0.21	2.12	44	9	1	31
36043702	0.32	2.96	74	12	1	57
36043750	0.38	6.36	140	15	2	81
36043800	0.20	2.13	45	8	1L	27
36043850	0.28	3.82	80	13	1	60

Sample	Ti %-I	U ppm-DN	V ppm-I	Y ppm-I	Yb ppm-I	Zn ppm-I
36043900	0.34	6.04	110	16	2	170
36043901	0.24	2.47	59	10	1	46
36043950	0.23	1.67	59	10	1	35
36043951	0.30	2.49	97	12	1	55
36044050	0.30	6.47	110	17	2	84
36044100	0.26	6.40	84	15	2	71
36044150	0.28	6.94	110	16	2	90
36543450	0.21	1.84	45	9	1	29
36543451	0.37	11.50	100	14	2	92
36543500	0.34	2.93	140	15	2	67
36543550	0.29	2.59	81	13	2	70
36543600	0.23	1.79	48	9	1	33
36543650	0.37	7.57	120	15	2	86
36543700	0.39	5.14	120	16	2	94
36543701	0.33	4.72	85	12	1	81
36543750	0.22	2.57	49	10	1	34
36543800	0.24	4.20	59	9	1	41
36543900	0.29	2.71	110	13	1	62
36543950	0.20	1.82	54	8	1	36
36544100	0.32	4.72	120	15	2	91
36544101	0.26	5.20	98	11	1	69
36544150	0.29	8.83	110	11	1	82
37043450	0.27	2.09	59	12	1	38
37043500	0.27	3.36	83	14	2	62
37043550	0.30	2.37	66	13	1	46
37043551	0.29	4.91	75	14	2	59
37043601	0.36	2.09	83	15	2	55
37043650	0.23	2.18	53	12	1	41
37043651	0.35	7.63	110	15	2	80
37043700	0.31	4.67	88	13	2	79

Sample	Ti %-I	U ppm-DN	V ppm-I	Y ppm-I	Yb ppm-I	Zn ppm-I
37043750	0.35	7.39	110	15	2	90
37043751	0.44	5.96	140	17	2	110
37043800	0.50	5.42	160	19	2	120
37043850	0.25	3.30	54	12	1	40
37043851	0.29	6.36	71	12	1	54
37043852	0.32	5.19	98	14	2	70
37043853	0.29	4.88	75	12	1	53
37043900	0.33	5.01	130	12	1	89
37043950	0.19	2.88	53	10	1	42
37044150	0.25	8.09	81	9	1	78
37044151	0.36	4.33	110	16	2	81
37044200	0.28	13.40	92	15	2	83
37543350	0.32	2.51	88	14	2	50
37543400	0.53	2.67	130	22	3	75
37543401	0.26	2.30	62	12	1	41
37543450	0.31	3.89	110	14	2	81
37543451	0.05	0.88	21	2	1L	15
37543500	0.27	2.01	100	11	1	59
37543501	0.25	3.31	63	14	2	43
37543550	0.27	2.00	56	11	1	32
37543600	0.27	1.97	56	12	1	32
37543650	0.29	1.80	66	13	1	40
37543700	0.33	2.60	71	16	2	45
37543750	0.26	4.78	93	14	2	60
37543751	0.30	8.15	90	13	2	71
37543800	0.31	3.93	100	14	2	74
37543850	0.25	5.08	74	11	1	52
37543851	0.24	5.00	67	11	1	46
37543852	0.24	3.89	69	11	1	46
37543853	0.28	6.86	100	14	2	65

Sample	Ti %-I	U ppm-DN	V ppm-I	Y ppm-I	Yb ppm-I	Zn ppm-I
37543900	0.24	3.64	66	11	1	59
37543901	0.25	4.51	73	11	1	59
37543950	0.24	3.04	68	10	1	57
37544150	0.29	5.63	79	15	2	76
37544200	0.26	3.96	94	11	1	76
38043350	0.24	2.43	49	11	1	41
38043400	0.21	2.69	43	7	1L	42
38043450	0.23	2.66	48	6	1L	62
38043451	0.20	2.13	37	15	2	37
38043500	0.29	2.04	60	12	1	35
38043750	0.28	2.49	60	14	2	46
38043800	0.28	3.90	96	14	2	65
38043850	0.25	9.50	74	12	1	51
38043900	0.21	3.50	67	10	1	48
38043901	0.26	4.08	71	13	1	60
38043950	0.17	1.72	36	9	1	22
38044000	0.26	2.57	85	10	1	64
38044100	0.26	2.36	100	10	1	80
38044150	0.28	3.87	92	12	1	82
38044200	0.28	3.97	76	15	2	74
38044250	0.30	3.47	120	16	2	130
38543800	0.36	3.29	85	18	2	62
38543850	0.27	9.97	110	13	2	79
38543900	0.34	6.70	92	14	2	83
38544000	0.25	7.24	110	10	1	77
38544050	0.25	2.90	89	9	1	67
38544100	0.31	3.58	100	13	2	93
38544150	0.29	3.50	91	13	1	93
38544200	0.28	5.13	110	13	2	100
38544250	0.25	8.05	95	13	1	110

Sample	Ti %-I	U ppm-DN	V ppm-I	Y ppm-I	Yb ppm-I	Zn ppm-I
39043850	0.27	4.72	60	19	2	72
39043900	0.35	7.17	92	14	2	78
39043950	0.25	5.06	84	12	1	76
39044000	0.27	4.54	89	10	1	69
39044050	0.25	3.00	85	10	1	75
39044051	0.24	8.16	91	10	1	73
39044100	0.29	4.67	110	12	1	88
39044150	0.22	3.78	96	11	1	87
39044200	0.25	4.68	120	14	2	110
39044250	0.24	6.21	100	12	1	96
39044300	0.34	3.00	96	17	2	84
39543950	0.27	2.82	67	14	2	58
39544000	0.28	3.23	82	16	2	100
39544050	0.21	2.17	62	11	1	47
39544051	0.27	4.06	81	16	2	69
39544100	0.24	2.02	72	10	1	49
39544101	0.25	5.08	65	19	2	80
39544150	0.25	2.61	80	12	1	76
39544200	0.22	7.19	82	12	1	73
39544250	0.28	3.98	95	15	2	95
39544300	0.32	3.07	83	18	2	84
39544350	0.36	2.94	92	19	2	89
39544351	0.48	2.48	110	19	2	66
39544400	0.36	2.95	110	20	2	110
39544450	0.26	2.70	81	15	2	77
40044100	0.30	2.86	78	15	2	63
40044150	0.28	3.74	59	16	2	54
40044200	0.40	3.23	91	20	2	66
40044250	0.43	2.68	130	16	2	56
40044251	0.39	2.72	120	17	2	54

Sample	Ti %-I	U ppm-DN	V ppm-I	Y ppm-I	Yb ppm-I	Zn ppm-I
40044300	0.26	3.25	75	16	2	63
40044301	0.28	3.14	78	17	2	79
40044350	0.30	2.79	84	15	2	64
40044400	0.26	2.91	90	14	2	90
40044401	0.31	2.89	84	16	2	67
40044402	0.34	2.69	92	17	2	74
40044450	0.34	2.72	84	17	2	71

Table 6.--Total chemical analyses with depths and locations of well core samples from the Carson River basin, Nevada.

[Element and method code, see Table 1. L, detected but below the limit of detection shown.]

Well No.	Depth, ft.	Latitude	Longitude	Ag ppm-I	As ppm-H
CVR-1	9-15' Cuttings	38 46 16	119 46 54	2L	1.7
CVR-1	19' Cuttings	38 46 16	119 46 54	2L	1.9
CVR-2	8-10' Cuttings	38 51 23	119 47 15	2L	3.2
CVR-2	10-12' Core	38 51 23	119 47 15	2L	3.7
CVR-2	19-21' Core	38 51 23	119 47 15	2L	2.8
CVR-3	3-5' Cuttings	38 51 25	119 45 28	2L	5.2
CVR-3	8-10' Core	38 51 25	119 45 28	2L	3.0
CVR-3	15-18' Cuttings	38 51 25	119 45 28	2L	3.0
CVR-4	2-6' Cuttings	38 54 41	119 49 11	2L	2.4
CVR-4	8-10' Core	38 54 41	119 49 11	2L	1.9
CVR-4	13-15' Core	38 54 41	119 49 11	2L	1.7
CVR-5	9' Cuttings	38 55 13	119 44 17	2L	19.0
CVR-6	18-20' Core	38 58 42	119 46 56	2L	4.7
CVR-8	19' Cuttings	39 00 48	119 49 34	2L	6.2
CVR-8	23-25' Core	39 00 48	119 49 34	2L	7.3
CVR-9	17' Cuttings	39 00 00	119 45 41	2L	4.3
CVR-10	14' Cuttings	39 02 59	119 47 52	2L	4.3
DVR-11	8-10' Core	39 09 17	119 43 07	2L	3.8
DVR-11	10-12' Core	39 09 17	119 43 07	2L	4.0
DVR-12	8' Cuttings	39 16 10	119 33 59	2L	5.7
DVR-12	17-19' Core	39 16 10	119 33 59	2L	3.9
DVR-13	30' Cuttings	39 16 05	119 31 34	2L	6.8
DVR-13	65' Cuttings	39 16 05	119 31 34	2L	3.5
DVR-13	73-75' Core	39 16 05	119 31 34	2L	3.1
CHR-14	9-10' Cuttings	39 18 47	119 11 38	2L	9.7

Well No.	Depth, ft.	Latitude	Longitude	Ag ppm-I	As ppm-H
CHR-14	15-17' Cuttings	39 18 49	119 11 23	5	5.6
CHR-15	15' Cuttings	39 18 08	119 12 07	2L	10.0
CHR-15	20' Core	39 18 08	119 12 07	2L	4.9
CDR-16	8' Cuttings	39 24 39	118 48 04	2L	7.9
CDR-16	9' Cuttings	39 24 39	118 48 04	2L	7.9
CDR-16	15-17' Core	39 24 39	118 48 04	2L	7.1
CDR-17	9-10' Cuttings	39 24 58	118 44 48	2L	7.9
CDR-17	18-20' Core	39 24 58	118 44 48	2L	6.8
CDR-18	8-10' Cuttings	39 28 17	118 50 10	2L	5.4
CDR-18	15-17' Core	39 23 27	118 42 54	2L	6.0
CDR-19	6-7' Cuttings	39 28 17	118 50 15	2L	7.3
CDR-19	13-15' Core	39 28 17	118 50 10	2L	7.9
CDR-20	6' Cuttings	39 27 48	118 51 57	2L	6.4
CDR-20	8-10' Core	39 27 48	118 51 57	2L	5.8
CDR-21	11-12' Cuttings	38 26 42	118 47 09	2L	6.0
CDR-21	15-17' Core	39 26 42	118 47 09	2L	4.7
CDR-22	4' Cuttings	39 28 25	118 39 50	2L	6.1
CDR-22	5-7' Core	39 28 25	118 39 50	2L	8.8
CDR-23	12' Cuttings	39 29 26	118 53 30	2L	5.3
CDR-23	18-20' Core	39 29 26	118 53 30	2L	9.1
CDR-24	7-8' Cuttings	39 30 38	118 51 22	2L	17.0
CDR-24	13-15' Core	39 30 38	118 51 22	2L	5.8
CDR-25	12-13' Cuttings	39 28 29	118 52 00	2L	5.4
CDR-25	13-15' Core	39 28 29	118 52 00	2L	4.9
CDR-26	9' Cuttings	39 30 03	118 40 20	2L	5.4
CDR-26	10-12' Core	39 30 03	118 40 20	2L	9.5
CDR-27	9' Cuttings	39 28 42	118 42 54	2L	6.1
CDR-27	13-15' Core	39 28 42	118 42 54	2L	7.1
CDR-28	19' Cuttings	39 29 02	118 35 32	2L	15.0
CDR-28	28-30' Core	39 29 02	118 35 32	2L	21.0

Well No.	Depth, ft.	Latitude	Longitude	Ag ppm-I	As ppm-H
CDR-29	6' Cuttings	39 30 52	118 33 35	2L	11.0
CDR-29	14-16' Core	39 30 52	118 33 35	2L	7.7
CDR-30	6-7' Cuttings	39 34 58	118 43 11	2L	8.7
CDR-30	9-10' Cuttings	39 34 58	118 43 11	2L	10.0
CDD1-1	17-18' Cuttings	39 27 30	118 46 38	2L	8.0
CDD1-2	35-36' Core	39 27 30	118 46 38	2L	8.8
CDD1-3	7-8' Cuttings	39 27 30	118 46 38	2L	16.0
CDD1-4	8' Cuttings	39 27 30	118 46 38	2L	13.0
CDD1-5	30' Cuttings	39 27 35	118 46 38	2L	5.8
CDD1-5	64-65' Core	39 27 35	118 46 38	2L	18.0
CDD1-6	7-8' Cuttings	39 27 35	118 46 38	2L	6.7
CDD1-7	20-21' Core	39 27 35	118 46 38	2L	4.4
CDD1-9	9-10' Core	39 27 33	118 46 38	2L	5.4
CDD1-10	20-21' Core	39 27 33	118 46 38	2L	10.0
CDD1-11	30-31' Core	39 27 33	118 46 38	2L	4.7
CDD1-13	9' Cuttings	39 27 31	118 46 38	2L	9.8
CDD1-14	18-19' Cuttings	39 27 31	118 46 38	2L	7.3
CDD1-14	30-31' Core	39 27 31	118 46 38	2L	5.3
CVD1-1A	8-9' Core	38 58 20	119 46 08	2L	8.2
CVD1-1C	20-25' Cuttings	38 58 20	119 46 08	2L	9.0
CVD1-1C	32-33' Core	38 58 20	119 46 08	2L	5.0
CVD1-2C	5-10' Cuttings	38 58 21	119 46 15	2L	9.1
CVD1-2C	20-25' Cuttings	38 58 21	119 46 15	2L	5.9
CVD1-2C	25-30' Cuttings	38 58 21	119 46 15	2L	4.3
CVD1-3C	5-10' Cuttings	38 58 22	119 46 22	2L	10.0
CVD1-3C	15-20' Cuttings	38 58 22	119 46 22	2L	6.6
CVD1-3C	25-30' Cuttings	38 58 22	119 46 22	2L	5.2
CVD1-4C	5-10' Cuttings	38 58 22	119 46 25	2L	6.5
CVD1-4C	20-25' Cuttings	38 58 22	119 46 25	2L	6.4

Well No.	Depth, ft.	Latitude	Longitude	Ag ppm-I	As ppm-H
CVD1-4C	35-36' Core	38 58 22	119 46 25	2L	4.6
CVD1-5C	5-10' Cuttings	38 58 23	119 46 32	2L	7.1
CVD1-5C	20-25' Cuttings	38 58 23	119 46 32	2L	6.0
CVD1-5C	35-36' Core	38 58 23	119 46 32	2L	3.4
CVD1-6C	5-10' Cuttings	38 58 32	119 46 39	2L	8.9
CVD1-6C	15-20' Cuttings	38 58 23	119 46 39	2L	6.1
CVD1-6C	35-37' Core	38 58 23	119 46 39	2L	4.8

Table 6.--Continued

Well No.	Depth, ft.	Al %-I	B ppm-XW	Ba ppm-I	Be ppm-I	C %-IR
CVR-1	9-15' Cuttings	8.3	.4L	940	2	0.19
CVR-1	19' Cuttings	8.2	0.5	1000	2	0.05
CVR-2	8-10' Cuttings	8.1	0.6	920	1	0.09
CVR-2	10-12' Core	7.5	0.8	920	1	3.14
CVR-2	19-21' Core	7.3	0.6	930	1	0.05
CVR-3	3-5' Cuttings	8.0	0.8	850	1	0.07
CVR-3	8-10' Core	7.5	0.5	1000	1	0.12
CVR-3	15-18' Cuttings	8.0	0.7	840	1	0.48
CVR-4	2-6' Cuttings	7.2	1.3	630	2	0.88
CVR-4	8-10' Core	7.3	.4L	610	2	0.48
CVR-4	13-15' Core	7.2	0.6	720	2	0.08
CVR-5	9' Cuttings	7.9	1.1	1100	1	0.23
CVR-6	18-20' Core	6.9	0.5	1000	1	0.05
CVR-8	19' Cuttings	8.7	0.6	970	2	0.25
CVR-8	23-25' Core	6.8	1.0	1000	1	0.17
CVR-9	17' Cuttings	6.8	0.6	1200	1	.05L
CVR-10	14' Cuttings	8.7	1.1	1000	1	0.16
DVR-11	8-10' Core	7.3	0.6	850	2	0.13
DVR-11	10-12' Core	7.2	0.9	850	1	0.06
DVR-12	8' Cuttings	7.8	1.5	810	2	0.06
DVR-12	17-19' Core	6.9	0.6	930	1	.05L
DVR-13	30' Cuttings	8.8	0.9	820	2	.05L
DVR-13	65' Cuttings	7.1	0.6	930	1	.05L
DVR-13	73-75' Core	7.3	1.3	870	1	0.29
CHR-14	9-10' Cuttings	7.3	0.5	1000	1	.05L
CHR-14	15-17' Cuttings	7.3	10.0	860	1	3.44
CHR-15	15' Cuttings	8.6	11.0	920	2	0.4
CHR-15	20' Core	7.3	1.0	990	1	.05L
CDR-16	8' Cuttings	8.5	2.0	920	2	0.12
CDR-16	9' Cuttings	7.1	0.7	1100	1	.05L

Well No.	Depth, ft.	Al %-I	B ppm-XW	Ba ppm-I	Be ppm-I	C %-IR
CDR-16	15-17' Core	7.7	4.6	960	2	0.56
CDR-17	9-10' Cuttings	7.9	0.8	1100	2	0.07
CDR-17	18-20' Core	8.1	1.1	940	2	.05L
CDR-18	8-10' Cuttings	7.7	5.3	1000	1	.05L
CDR-18	15-17' Core	7.9	6.6	950	2	0.34
CDR-19	6-7' Cuttings	8.6	0.9	920	2	.05L
CDR-19	13-15' Core	7.5	0.7	1000	2	0.01
CDR-20	6' Cuttings	7.6	0.9	1200	2	0.06
CDR-20	8-10' Core	7.7	0.8	1000	2	.05L
CDR-21	11-12' Cuttings	8.2	1.8	910	2	.05L
CDR-21	15-17' Core	7.6	0.9	1100	2	.05L
CDR-22	4' Cuttings	7.8	5.1	980	2	0.18
CDR-22	5-7' Core	7.1	4.6	1000	2	0.39
CDR-23	12' Cuttings	7.3	1.3	1000	1	.05L
CDR-23	18-20' Core	8.9	2.3	950	2	.05L
CDR-24	7-8' Cuttings	8.5	4.4	930	2	0.09
CDR-24	13-15' Core	7.0	1.2	1000	1	.05L
CDR-25	12-13' Cuttings	7.4	.4L	1100	2	.05L
CDR-25	13-15' Core	7.3	1.3	1100	1	0.13
CDR-26	9' Cuttings	7.6	0.9	1200	2	.05L
CDR-26	10-12' Core	7.8	2.8	960	2	0.29
CDR-27	9' Cuttings	7.2	0.7	1100	1	.05L
CDR-27	13-15' Core	7.5	0.8	1100	2	.05L
CDR-28	19' Cuttings	8.1	26.0	900	2	1.53
CDR-28	28-30' Core	8.4	32.0	910	2	1.09
CDR-29	6' Cuttings	8.7	1.7	910	2	0.12
CDR-29	14-16' Core	8.4	1.9	960	2	0.2
CDR-30	6-7' Cuttings	8.5	22.0	890	2	0.25
CDR-30	9-10' Cuttings	8.3	24.0	920	2	0.36
CDD1-1	17-18' Cuttings	8.2	1.9	980	2	0.62

Well No.	Depth, ft.	Al %-I	B ppm-XW	Ba ppm-I	Be ppm-I	C %-IR
CDD1-2	35-36' Core	7.4	1.8	1000	2	.05L
CDD1-3	7-8' Cuttings	7.9	2.5	950	2	1.52
CDD1-4	8' Cuttings	8.0	2.1	930	2	1
CDD1-5	30' Cuttings	7.2	0.7	1200	2	.05L
CDD1-5	64-65' Core	8.2	1.7	940	2	0.15
CDD1-6	7-8' Cuttings	7.5	0.7	1200	2	0.05
CDD1-7	20-21' Core	8.0	0.8	1000	2	0.37
CDD1-9	9-10' Core	7.6	0.6	970	2	.05L
CDD1-10	20-21' Core	2.3	1.2	150	1L	.05L
CDD1-11	30-31' Core	8.0	0.8	950	2	.05L
CDD1-13	9' Cuttings	8.6	1.7	1000	2	0.36
CDD1-14	18-19' Cuttings	7.9	1.6	1000	2	0.2
CDD1-14	30-31' Core	8.0	0.8	880	2	.05L
CVD1-1A	8-9' Core	7.5	0.8	890	2	0.19
CVD1-1C	20-25' Cuttings	8.4	2.6	910	2	0.31
CVD1-1C	32-33' Core	7.1	0.9	1100	2	0.38
CVD1-2C	5-10' Cuttings	7.7	2.1	1100	2	0.26
CVD1-2C	20-25' Cuttings	6.7	0.7	1200	1	0.05
CVD1-2C	25-30' Cuttings	6.7	0.6	1100	1	.05L
CVD1-3C	5-10' Cuttings	8.1	3.4	980	2	0.25
CVD1-3C	15-20' Cuttings	7.2	0.9	1000	2	0.07
CVD1-3C	25-30' Cuttings	6.9	0.9	1100	1	.05L
CVD1-4C	5-10' Cuttings	7.4	0.7	1100	2	0.06
CVD1-4C	20-25' Cuttings	7.3	0.9	1000	2	0.07
CVD1-4C	35-36' Core	6.9	0.5	1200	1	.05L
CVD1-5C	5-10' Cuttings	7.0	1.1	1000	2	0.09
CVD1-5C	20-25' Cuttings	7.3	0.9	1200	1	.05L
CVD1-5C	35-36' Core	6.9	0.5	1100	2	.05L
CVD1-6C	5-10' Cuttings	7.1	1.4	870	2	0.23
CVD1-6C	15-20' Cuttings	7.1	0.8	1000	2	0.06
CVD1-6C	35-37' Core	7.1	.4L	1000	2	.05L

Table 6.--Continued.

Well No.	Depth, ft.	Ca %-I	Ce ppm-I	Co ppm-I	Cr ppm-I	Cu ppm-I
CVR-1	9-15' Cuttings	1.6	47	9	35	11
CVR-1	19' Cuttings	1.5	46	8	31	13
CVR-2	8-10' Cuttings	2.6	46	13	20	15
CVR-2	10-12' Core	2.4	34	11	14	13
CVR-2	19-21' Core	2.1	70	10	15	10
CVR-3	3-5' Cuttings	2.4	66	11	23	13
CVR-3	8-10' Core	2.0	42	6	11	7
CVR-3	15-18' Cuttings	2.3	38	11	25	21
CVR-4	2-6' Cuttings	1.4	21	3	2	9
CVR-4	8-10' Core	1.4	21	3	4	13
CVR-4	13-15' Core	1.4	16	3	2	7
CVR-5	9' Cuttings	2.6	41	15	53	23
CVR-6	18-20' Core	1.6	26	6	15	7
CVR-8	19' Cuttings	2.5	41	15	29	20
CVR-8	23-25' Core	2.0	44	11	33	10
CVR-9	17' Cuttings	1.5	23	5	7	8
CVR-10	14' Cuttings	3.1	37	14	18	34
DVR-11	8-10' Core	1.9	32	6	13	9
DVR-11	10-12' Core	1.8	29	6	16	8
DVR-12	8' Cuttings	2.1	33	9	26	17
DVR-12	17-19' Core	1.6	29	7	15	9
DVR-13	30' Cuttings	2.7	49	11	33	16
DVR-13	65' Cuttings	1.8	30	6	15	8
DVR-13	73-75' Core	1.9	30	7	23	13
CHR-14	9-10' Cuttings	1.9	30	8	13	8
CHR-14	15-17' Cuttings	3.0	38	11	26	41
CHR-15	15' Cuttings	2.6	51	15	36	28
CHR-15	20' Core	1.9	33	8	18	8
CDR-16	8' Cuttings	2.9	42	10	26	16
CDR-16	9' Cuttings	1.7	31	7	13	10

Well No.	Depth, ft.	Ca %-I	Ce ppm-I	Co ppm-I	Cr ppm-I	Cu ppm-I
CDR-16	15-17' Core	2.3	32	6	16	9
CDR-17	9-10' Cuttings	2.0	36	9	16	13
CDR-17	18-20' Core	2.5	39	9	21	11
CDR-18	8-10' Cuttings	1.9	31	7	17	9
CDR-18	15-17' Core	2.0	35	9	19	13
CDR-19	6-7' Cuttings	2.6	40	10	26	14
CDR-19	13-15' Core	1.9	40	8	18	11
CDR-20	6' Cuttings	1.9	34	7	14	13
CDR-20	8-10' Core	2.1	31	7	14	8
CDR-21	11-12' Cuttings	2.5	37	10	24	12
CDR-21	15-17' Core	2.0	35	7	15	8
CDR-22	4' Cuttings	2.5	33	8	20	12
CDR-22	5-7' Core	2.8	27	6	15	7
CDR-23	12' Cuttings	1.8	29	7	18	10
CDR-23	18-20' Core	2.8	52	12	28	21
CDR-24	7-8' Cuttings	2.5	45	11	30	20
CDR-24	13-15' Core	1.7	28	6	14	9
CDR-25	12-13' Cuttings	1.9	33	6	13	8
CDR-25	13-15' Core	1.8	31	6	17	11
CDR-26	9' Cuttings	1.8	34	8	14	9
CDR-26	10-12' Core	2.3	38	9	21	10
CDR-27	9' Cuttings	1.6	27	6	10	7
CDR-27	13-15' Core	1.9	29	7	13	8
CDR-28	19' Cuttings	5.1	56	16	33	42
CDR-28	28-30' Core	4.0	57	16	33	43
CDR-29	6' Cuttings	2.4	45	15	29	24
CDR-29	14-16' Core	2.4	34	9	18	13
CDR-30	6-7' Cuttings	2.7	42	11	26	25
CDR-30	9-10' Cuttings	2.8	43	11	30	25
CDD1-1	17-18' Cuttings	3.4	50	11	25	26

Well No.	Depth, ft.	Ca %-I	Ce ppm-I	Co ppm-I	Cr ppm-I	Cu ppm-I
CDD1-2	35-36' Core	1.9	32	4	7	5
CDD1-3	7-8' Cuttings	6.4	55	14	20	41
CDD1-4	8' Cuttings	4.9	48	12	25	30
CDD1-5	30' Cuttings	1.7	35	5	14	8
CDD1-5	64-65' Core	2.9	48	9	25	12
CDD1-6	7-8' Cuttings	1.9	34	7	17	11
CDD1-7	20-21' Core	2.3	35	7	26	10
CDD1-9	9-10' Core	2.2	37	7	23	10
CDD1-10	20-21' Core	0.7	40	9	17	21
CDD1-11	30-31' Core	2.2	32	6	23	8
CDD1-13	9' Cuttings	3.3	55	13	33	30
CDD1-14	18-19' Cuttings	2.5	39	9	21	18
CDD1-14	30-31' Core	2.5	48	8	30	9
CVD1-1A	8-9' Core	2.7	53	14	58	19
CVD1-1C	20-25' Cuttings	2.7	47	13	49	26
CVD1-1C	32-33' Core	1.9	30	8	24	12
CVD1-2C	5-10' Cuttings	2.0	47	14	49	25
CVD1-2C	20-25' Cuttings	1.4	21	6	16	12
CVD1-2C	25-30' Cuttings	1.6	31	7	23	11
CVD1-3C	5-10' Cuttings	2.5	46	14	47	23
CVD1-3C	15-20' Cuttings	2.0	40	10	37	15
CVD1-3C	25-30' Cuttings	1.7	32	7	29	11
CVD1-4C	5-10' Cuttings	2.1	38	11	38	15
CVD1-4C	20-25' Cuttings	2.0	37	10	35	15
CVD1-4C	35-36' Core	1.7	28	7	26	10
CVD1-5C	5-10' Cuttings	2.1	40	10	39	15
CVD1-5C	20-25' Cuttings	1.9	35	9	30	14
CVD1-5C	35-36' Core	1.8	34	8	36	17
CVD1-6C	5-10' Cuttings	2.5	44	12	49	18
CVD1-6C	15-20' Cuttings	2.1	39	9	27	13
CVD1-6C	35-37' Core	1.8	31	8	27	12

Table 6.--Continued.

Well No.	Depth, ft.	Fe %-I	Ga ppm-I	Hg ppm-CV	K %-I	La ppm-I
CVR-1	9-15' Cuttings	3.2	19	.02L	2.4	26
CVR-1	19' Cuttings	2.8	19	.02L	2.5	25
CVR-2	8-10' Cuttings	3.7	18	.02L	2.6	24
CVR-2	10-12' Core	2.9	15	.02L	2.4	19
CVR-2	19-21' Core	4.2	16	.02L	2.5	38
CVR-3	3-5' Cuttings	3.3	16	0.02	2.1	36
CVR-3	8-10' Core	2.3	15	.02L	2.4	23
CVR-3	15-18' Cuttings	3.5	18	0.02	2.1	21
CVR-4	2-6' Cuttings	0.8	16	0.02	2.4	14
CVR-4	8-10' Core	0.6	17	0.02	2.3	13
CVR-4	13-15' Core	0.5	15	.02L	2.6	10
CVR-5	9' Cuttings	3.9	18	.02L	2.3	22
CVR-6	18-20' Core	1.8	13	0.08	3.0	16
CVR-8	19' Cuttings	2.6	19	.02L	2.2	23
CVR-8	23-25' Core	4.5	15	.02L	2.6	24
CVR-9	17' Cuttings	1.2	14	0.02	3.2	14
CVR-10	14' Cuttings	3.3	18	.02L	2.0	20
DVR-11	8-10' Core	1.9	15	0.04	2.6	18
DVR-11	10-12' Core	1.8	14	0.44	2.5	16
DVR-12	8' Cuttings	2.4	17	0.02	2.4	19
DVR-12	17-19' Core	1.7	14	.02L	2.8	16
DVR-13	30' Cuttings	2.7	19	20	2.2	27
DVR-13	65' Cuttings	1.6	14	.02L	2.7	17
DVR-13	73-75' Core	2.0	14	0.06	2.5	17
CHR-14	9-10' Cuttings	1.7	13	.02L	2.7	17
CHR-14	15-17' Cuttings	2.5	16	0.08	2.2	21
CHR-15	15' Cuttings	3.5	18	0.02	2.1	28
CHR-15	20' Core	1.9	14	.02L	2.6	19
CDR-16	8' Cuttings	2.4	17	0.04	2.2	24
CDR-16	9' Cuttings	1.4	15	0.02	2.9	18

Well No.	Depth, ft.	Fe %-I	Ga ppm-I	Hg ppm-CV	K %-I	La ppm-I
CDR-16	15-17' Core	1.6	15	0.28	2.5	19
CDR-17	9-10' Cuttings	1.9	16	0.06	2.6	20
CDR-17	18-20' Core	2.3	16	.02L	2.3	23
CDR-18	8-10' Cuttings	1.3	15	.02L	2.6	19
CDR-18	15-17' Core	1.7	17	.02L	2.6	21
CDR-19	6-7' Cuttings	2.7	17	.02L	2.2	24
CDR-19	13-15' Core	1.9	16	0.02	2.7	23
CDR-20	6' Cuttings	1.6	15	0.1	3.1	19
CDR-20	8-10' Core	1.5	15	0.04	2.9	18
CDR-21	11-12' Cuttings	2.2	16	0.04	2.2	22
CDR-21	15-17' Core	1.7	15	0.02	2.8	19
CDR-22	4' Cuttings	2.0	15	0.12	2.5	20
CDR-22	5-7' Core	1.4	13	0.04	2.6	17
CDR-23	12' Cuttings	1.6	16	.02L	2.8	18
CDR-23	18-20' Core	2.6	18	.02L	2.2	29
CDR-24	7-8' Cuttings	2.6	19	.02L	2.4	25
CDR-24	13-15' Core	1.4	14	.02L	2.9	16
CDR-25	12-13' Cuttings	1.6	14	.02L	2.9	19
CDR-25	13-15' Core	1.5	15	0.12	2.9	18
CDR-26	9' Cuttings	1.5	14	0.08	3.0	19
CDR-26	10-12' Core	1.9	15	.02L	2.4	22
CDR-27	9' Cuttings	1.2	14	0.06	2.9	17
CDR-27	13-15' Core	1.4	14	0.08	2.8	17
CDR-28	19' Cuttings	3.8	20	0.02	2.2	30
CDR-28	28-30' Core	3.7	20	.02L	2.2	31
CDR-29	6' Cuttings	2.6	19	.02L	2.3	26
CDR-29	14-16' Core	1.9	18	.02L	2.4	20
CDR-30	6-7' Cuttings	2.4	17	13	2.1	24
CDR-30	9-10' Cuttings	2.6	19	3.6	2.3	23
CDD1-1	17-18' Cuttings	2.7	19	0.08	2.4	30

Well No.	Depth, ft.	Fe %-I	Ga ppm-I	Hg ppm-CV	K %-I	La ppm-I
CDD1-2	35-36' Core	1.1	16	.02L	2.8	20
CDD1-3	7-8' Cuttings	3.1	21	0.04	2.3	33
CDD1-4	8' Cuttings	2.8	19	0.04	2.4	28
CDD1-5	30' Cuttings	1.3	15	.02L	3.0	21
CDD1-5	64-65' Core	2.2	18	.02L	2.4	28
CDD1-6	7-8' Cuttings	1.8	15	.02L	3.0	21
CDD1-7	20-21' Core	1.9	17	0.08	2.6	21
CDD1-9	9-10' Core	2.2	16	.02L	2.5	22
CDD1-10	20-21' Core	2.5	7	0.02	0.4	22
CDD1-11	30-31' Core	1.6	18	.02L	2.6	20
CDD1-13	9' Cuttings	3.2	21	0.02	2.3	31
CDD1-14	18-19' Cuttings	2.1	18	.02L	2.6	23
CDD1-14	30-31' Core	2.5	18	.02L	2.4	28
CVD1-1A	8-9' Core	5.8	20	0.1	2.2	30
CVD1-1C	20-25' Cuttings	3.8	20	0.04	2.1	27
CVD1-1C	32-33' Core	2.0	16	0.04	2.8	18
CVD1-2C	5-10' Cuttings	4.4	19	0.08	2.6	27
CVD1-2C	20-25' Cuttings	1.4	15	.02L	3.4	14
CVD1-2C	25-30' Cuttings	1.9	15	0.02	3.1	19
CVD1-3C	5-10' Cuttings	4.3	20	0.04	2.4	26
CVD1-3C	15-20' Cuttings	3.2	17	0.02	2.8	24
CVD1-3C	25-30' Cuttings	2.4	16	0.02	3.1	19
CVD1-4C	5-10' Cuttings	3.8	18	0.02	2.7	22
CVD1-4C	20-25' Cuttings	3.4	18	0.04	2.7.	21
CVD1-4C	35-36' Core	2.4	16	.02L	3.1	18
CVD1-5C	5-10' Cuttings	3.8	16	0.04	2.5	23
CVD1-5C	20-25' Cuttings	2.6	17	0.04	3.0	22
CVD1-5C	35-36' Core	2.8	16	.02L	3.0	20
CVD1-6C	5-10' Cuttings	6.3	18	0.06	2.3	25
CVD1-6C	15-20' Cuttings	3.7	17	0.04	2.6	23
CVD1-6C	35-37' Core	2.8	17	0.04	2.9	19

Table 6.--Continued.

Well No.	Depth, ft.	Li ppm-I	Mg ppm-I	Mn ppm-I	Mo ppm-I	Na %-I
CVR-1	9-15' Cuttings	13	0.50	740	2	2.8
CVR-1	19' Cuttings	12	0.50	680	2L	3.0
CVR-2	8-10' Cuttings	21	1.00	630	2L	2.6
CVR-2	10-12' Core	19	0.77	550	2L	2.3
CVR-2	19-21' Core	16	0.59	500	2L	2.5
CVR-3	3-5' Cuttings	15	0.72	560	2L	2.9
CVR-3	8-10' Core	9	0.35	300	2L	2.8
CVR-3	15-18' Cuttings	19	0.84	670	2	2.8
CVR-4	2-6' Cuttings	44	0.23	230	7	2.7
CVR-4	8-10' Core	38	0.21	180	14	2.9
CVR-4	13-15' Core	19	0.18	170	3	2.9
CVR-5	9' Cuttings	22	1.00	660	2L	2.4
CVR-6	18-20' Core	17	0.37	290	2L	2.2
CVR-8	19' Cuttings	25	0.86	320	3	2.6
CVR-8	23-25' Core	16	0.55	510	2L	2.2
CVR-9	17' Cuttings	15	0.28	180	2L	2.3
CVR-10	14' Cuttings	34	1.20	640	2L	2.8
DVR-11	8-10' Core	16	0.37	260	2L	2.6
DVR-11	10-12' Core	16	0.36	240	2L	2.5
DVR-12	8' Cuttings	25	0.61	360	2L	2.6
DVR-12	17-19' Core	16	0.34	200	2L	2.4
DVR-13	30' Cuttings	26	0.80	630	2L	2.9
DVR-13	65' Cuttings	15	0.36	250	2L	2.4
DVR-13	73-75' Core	16	0.41	380	2L	2.4
CHR-14	9-10' Cuttings	16	0.41	250	2L	2.4
CHR-14	15-17' Cuttings	26	1.10	670	2L	2.2
CHR-15	15' Cuttings	35	1.10	840	2	2.5
CHR-15	20' Core	16	0.44	350	2L	2.4
CDR-16	8' Cuttings	24	0.79	460	2L	2.8
CDR-16	9' Cuttings	14	0.35	260	2L	2.5

Well No.	Depth, ft.	Li ppm-I	Mg ppm-I	Mn ppm-I	Mo ppm-I	Na %-I
CDR-16	15-17' Core	18	0.49	320	2L	2.8
CDR-17	9-10' Cuttings	21	0.54	320	2L	2.4
CDR-17	18-20' Core	17	0.61	350	2L	2.7
CDR-18	8-10' Cuttings	19	0.42	180	2L	2.6
CDR-18	15-17' Core	18	0.52	250	2L	3.0
CDR-19	6-7' Cuttings	23	0.73	400	2L	2.8
CDR-19	13-15' Core	18	0.51	310	2L	2.7
CDR-20	6' Cuttings	16	0.38	340	2L	2.6
CDR-20	8-10' Core	16	0.39	340	2L	2.7
CDR-21	11-12' Cuttings	20	0.64	350	2L	2.7
CDR-21	15-17' Core	16	0.42	260	2L	2.6
CDR-22	4' Cuttings	23	0.65	400	2L	2.7
CDR-22	5-7' Core	15	0.41	270	2L	2.6
CDR-23	12' Cuttings	15	0.39	450	2L	2.6
CDR-23	18-20' Core	35	0.91	470	2	2.8
CDR-24	7-8' Cuttings	29	0.85	530	2L	3.0
CDR-24	13-15' Core	14	0.36	290	2L	2.5
CDR-25	12-13' Cuttings	14	0.36	350	2L	2.5
CDR-25	13-15' Core	15	0.41	530	2L	2.6
CDR-26	9' Cuttings	17	0.40	410	2L	2.5
CDR-26	10-12' Core	19	0.58	330	2L	2.7
CDR-27	9' Cuttings	14	0.33	290	2L	2.5
CDR-27	13-15' Core	16	0.38	370	2L	2.6
CDR-28	19' Cuttings	85	1.80	890	2L	2.3
CDR-28	28-30' Core	90	1.90	840	2L	2.9
CDR-29	6' Cuttings	29	0.87	360	2L	2.7
CDR-29	14-16' Core	23	0.66	290	2L	2.9
CDR-30	6-7' Cuttings	30	0.83	530	2L	2.9
CDR-30	9-10' Cuttings	39	1.10	520	2L	2.9
CDD1-1	17-18' Cuttings	44	1.10	580	2L	2.5

Well No.	Depth, ft.	Li ppm-I	Mg ppm-I	Mn ppm-I	Mo ppm-I	Na %-I
CDD1-2	35-36' Core	15	0.32	210	2L	2.8
CDD1-3	7-8' Cuttings	65	1.50	740	2L	2.0
CDD1-4	8' Cuttings	52	1.30	700	2L	2.2
CDD1-5	30' Cuttings	14	0.31	200	2L	2.5
CDD1-5	64-65' Core	26	0.69	480	2L	2.9
CDD1-6	7-8' Cuttings	15	0.42	300	2L	2.5
CDD1-7	20-21' Core	17	0.58	370	2L	2.8
CDD1-9	9-10' Core	15	0.51	320	2L	2.7
CDD1-10	20-21' Core	27	0.64	430	2L	0.1
CDD1-11	30-31' Core	17	0.50	280	2L	3.0
CDD1-13	9' Cuttings	42	1.10	710	2L	2.5
CDD1-14	18-19' Cuttings	29	0.72	440	2L	2.6
CDD1-14	30-31' Core	17	0.65	400	2L	3.0
CVD1-1A	8-9' Core	22	0.99	710	2L	2.2
CVD1-1C	20-25' Cuttings	30	1.10	620	2L	2.2
CVD1-1C	32-33' Core	20	0.54	370	2L	2.3
CVD1-2C	5-10' Cuttings	24	0.82	650	2L	2.1
CVD1-2C	20-25' Cuttings	17	0.32	240	2L	2.2
CVD1-2C	25-30' Cuttings	17	0.42	290	2L	2.1
CVD1-3C	5-10' Cuttings	27	1.00	640	2L	2.2
CVD1-3C	15-20' Cuttings	19	0.65	430	2L	2.3
CVD1-3C	25-30' Cuttings	17	0.47	360	2L	2.2
CVD1-4C	5-10' Cuttings	20	0.75	460	2L	2.2
CVD1-4C	20-25' Cuttings	21	0.66	490	2L	2.3
CVD1-4C	35-36' Core	17	0.45	310	2L	2.2
CVD1-5C	5-10' Cuttings	21	0.72	450	2L	2.0
CVD1-5C	20-25' Cuttings	20	0.62	420	2L	2.2
CVD1-5C	35-36' Core	19	0.55	430	2L	2.2
CVD1-6C	5-10' Cuttings	22	0.83	610	2L	2.1
CVD1-6C	15-20' Cuttings	20	0.70	420	2L	2.2
CVD1-6C	35-37' Core	19	0.51	320	2L	2.4

Table 6.--Continued.

Well No.	Depth, ft.	Nb ppm-I	Nd ppm-I	Ni ppm-I	P ppm-I	Pb ppm-I
CVR-1	9-15' Cuttings	7	24	5	0.04	16
CVR-1	19' Cuttings	8	23	4	0.04	16
CVR-2	8-10' Cuttings	7	23	8	0.06	13
CVR-2	10-12' Core	4	17	7	0.07	16
CVR-2	19-21' Core	8	30	5	0.05	14
CVR-3	3-5' Cuttings	6	31	7	0.06	14
CVR-3	8-10' Core	4	19	4	0.04	15
CVR-3	15-18' Cuttings	7	21	9	0.07	15
CVR-4	2-6' Cuttings	4	9	2L	0.02	20
CVR-4	8-10' Core	5	10	2L	0.01	18
CVR-4	13-15' Core	4L	6	2L	0.01	15
CVR-5	9' Cuttings	6	23	19	0.10	16
CVR-6	18-20' Core	4L	12	7	0.05	19
CVR-8	19' Cuttings	6	22	15	0.08	16
CVR-8	23-25' Core	9	20	11	0.06	17
CVR-9	17' Cuttings	4L	11	5	0.04	20
CVR-10	14' Cuttings	4	19	10	0.07	14
DVR-11	8-10' Core	4L	15	6	0.05	17
DVR-11	10-12' Core	4L	13	7	0.05	17
DVR-12	8' Cuttings	5	17	10	0.08	19
DVR-12	17-19' Core	5	14	6	0.04	17
DVR-13	30' Cuttings	6	24	15	0.11	18
DVR-13	65' Cuttings	4L	14	7	0.04	16
DVR-13	73-75' Core	7	13	9	0.05	27
CHR-14	9-10' Cuttings	4	15	7	0.05	16
CHR-14	15-17' Cuttings	6	20	12	0.14	43
CHR-15	15' Cuttings	5	26	17	0.09	17
CHR-15	20' Core	4L	16	7	0.05	15
CDR-16	8' Cuttings	6	22	11	0.08	17
CDR-16	9' Cuttings	4	16	6	0.05	16

Well No.	Depth, ft.	Nb ppm-I	Nd ppm-I	Ni ppm-I	P ppm-I	Pb ppm-I
CDR-16	15-17' Core	4L	15	7	0.08	17
CDR-17	9-10' Cuttings	5	18	9	0.06	17
CDR-17	18-20' Core	6	19	10	0.07	16
CDR-18	8-10' Cuttings	4L	16	6	0.04	16
CDR-18	15-17' Core	5	18	9	0.06	18
CDR-19	6-7' Cuttings	6	20	11	0.06	16
CDR-19	13-15' Core	5	20	8	0.05	16
CDR-20	6' Cuttings	4L	15	6	0.05	18
CDR-20	8-10' Core	4L	16	7	0.05	19
CDR-21	11-12' Cuttings	4	19	10	0.06	15
CDR-21	15-17' Core	4L	15	7	0.05	16
CDR-22	4' Cuttings	5	16	10	0.06	16
CDR-22	5-7' Core	4L	14	8	0.05	16
CDR-23	12' Cuttings	5	14	7	0.04	19
CDR-23	18-20' Core	8	25	12	0.10	17
CDR-24	7-8' Cuttings	7	24	14	0.09	17
CDR-24	13-15' Core	4L	14	6	0.04	18
CDR-25	12-13' Cuttings	4L	15	6	0.05	17
CDR-25	13-15' Core	4	15	8	0.05	16
CDR-26	9' Cuttings	4L	15	8	0.06	17
CDR-26	10-12' Core	5	19	11	0.06	16
CDR-27	9' Cuttings	4L	14	7	0.04	16
CDR-27	13-15' Core	4L	15	8	0.05	17
CDR-28	19' Cuttings	7	29	22	0.11	17
CDR-28	28-30' Core	8	29	20	0.10	18
CDR-29	6' Cuttings	6	23	16	0.07	18
CDR-29	14-16' Core	5	16	10	0.10	17
CDR-30	6-7' Cuttings	5	21	12	0.08	25
CDR-30	9-10' Cuttings	7	23	14	0.09	22
CDD1-1	17-18' Cuttings	6	23	13	0.08	20

Well No.	Depth, ft.	Nb ppm-I	Nd ppm-I	Ni ppm-I	P ppm-I	Pb ppm-I
CDD1-2	35-36' Core	4L	14	4	0.04	17
CDD1-3	7-8' Cuttings	6	26	16	0.10	18
CDD1-4	8' Cuttings	6	22	14	0.08	19
CDD1-5	30' Cuttings	4L	14	5	0.04	17
CDD1-5	64-65' Core	6	22	8	0.07	18
CDD1-6	7-8' Cuttings	5	14	7	0.06	19
CDD1-7	20-21' Core	4L	17	9	0.07	26
CDD1-9	9-10' Core	5	18	7	0.05	17
CDD1-10	20-21' Core	4L	19	11	0.07	7
CDD1-11	30-31' Core	5	15	11	0.05	17
CDD1-13	9' Cuttings	7	24	15	0.09	19
CDD1-14	18-19' Cuttings	5	18	9	0.06	19
CDD1-14	30-31' Core	8	23	11	0.06	18
CVD1-1A	8-9' Core	8	26	16	0.09	19
CVD1-1C	20-25' Cuttings	6	24	17	0.09	20
CVD1-1C	32-33' Core	4L	14	9	0.06	20
CVD1-2C	5-10' Cuttings	7	21	15	0.08	21
CVD1-2C	20-25' Cuttings	4	10	6	0.04	21
CVD1-2C	25-30' Cuttings	4L	14	8	0.05	20
CVD1-3C	5-10' Cuttings	6	23	16	0.09	19
CVD1-3C	15-20' Cuttings	6	19	11	0.07	21
CVD1-3C	25-30' Cuttings	5	14	9	0.05	21
CVD1-4C	5-10' Cuttings	7	19	12	0.08	18
CVD1-4C	20-25' Cuttings	5	18	10	0.07	20
CVD1-4C	35-36' Core	4	13	9	0.05	21
CVD1-5C	5-10' Cuttings	7	19	12	0.07	18
CVD1-5C	20-25' Cuttings	5	17	10	0.07	21
CVD1-5C	35-36' Core	6	15	11	0.06	21
CVD1-6C	5-10' Cuttings	8	19	13	0.08	19
CVD1-6C	15-20' Cuttings	7	18	10	0.07	19
CVD1-6C	35-37' Core	5	15	8	0.05	20

Table 6.--Continued.

Well No.	Depth, ft.	S %-L	Sb ppm-H	Sc ppm-I	Se ppm-H	Sr ppm-I
CVR-1	9-15' Cuttings	.05L	0.4	7	.1L	270
CVR-1	19' Cuttings	.05L	0.4	7	0.1	280
CVR-2	8-10' Cuttings	.05L	0.7	9	.1L	470
CVR-2	10-12' Core	.05L	0.6	7	.1L	450
CVR-2	19-21' Core	.05L	0.6	6	.1L	390
CVR-3	3-5' Cuttings	.05L	0.6	9	.1L	420
CVR-3	8-10' Core	.05L	0.5	5	.1L	370
CVR-3	15-18' Cuttings	.05L	0.5	10	.1L	430
CVR-4	2-6' Cuttings	.05L	0.7	3	0.2	350
CVR-4	8-10' Core	.05L	0.5	3	0.2	360
CVR-4	13-15' Core	.05L	0.6	3	.1L	370
CVR-5	9' Cuttings	.05L	2.0	11	0.2	650
CVR-6	18-20' Core	.05L	0.8	5	.1L	450
CVR-8	19' Cuttings	0.11	1.2	10	0.3	650
CVR-8	23-25' Core	0.06	2.0	7	0.3	460
CVR-9	17' Cuttings	.05L	0.5	3	.1L	430
CVR-10	14' Cuttings	.05L	0.7	12	.1L	610
DVR-11	8-10' Core	.05L	0.7	5	.1L	470
DVR-11	10-12' Core	.05L	0.7	5	.1L	470
DVR-12	8' Cuttings	.05L	1.1	7	0.1	510
DVR-12	17-19' Core	.05L	0.9	5	.1L	460
DVR-13	30' Cuttings	.05L	0.8	9	0.2	620
DVR-13	65' Cuttings	.05L	0.7	5	.1L	460
DVR-13	73-75' Core	.05L	0.6	6	.1L	480
CHR-14	9-10' Cuttings	.05L	2.0	6	0.4	500
CHR-14	15-17' Cuttings	0.07	0.8	9	.1L	610
CHR-15	15' Cuttings	0.09	1.0	12	0.1	590
CHR-15	20' Core	.05L	0.7	6	.1L	490
CDR-16	8' Cuttings	.05L	0.9	9	0.1	620
CDR-16	9' Cuttings	.05L	1.1	5	.1L	470

Well No.	Depth, ft.	S %-L	Sb ppm-H	Sc ppm-I	Se ppm-H	Sr ppm-I
CDR-16	15-17' Core	.05L	0.7	6	0.1	530
CDR-17	9-10' Cuttings	.05L	0.8	7	.1L	530
CDR-17	18-20' Core	.05L	0.8	8	.1L	580
CDR-18	8-10' Cuttings	.05L	1.0	6	0.2	520
CDR-18	15-17' Core	.05L	0.8	7	.1L	540
CDR-19	6-7' Cuttings	.05L	1.3	9	.1L	620
CDR-19	13-15' Core	.05L	0.9	6	.1L	500
CDR-20	6' Cuttings	.05L	0.7	5	.1L	500
CDR-20	8-10' Core	.05L	0.7	5	.1L	520
CDR-21	11-12' Cuttings	.05L	0.8	8	.1L	580
CDR-21	15-17' Core	.05L	0.8	6	.1L	520
CDR-22	4' Cuttings	.05L	0.7	7	.1L	530
CDR-22	5-7' Core	.05L	0.9	5	0.1	510
CDR-23	12' Cuttings	.05L	1.0	5	.1L	490
CDR-23	18-20' Core	.05L	0.9	10	0.2	620
CDR-24	7-8' Cuttings	.05L	0.8	9	.1L	590
CDR-24	13-15' Core	.05L	0.8	5	.1L	450
CDR-25	12-13' Cuttings	.05L	0.9	5	.1L	490
CDR-25	13-15' Core	.05L	0.7	5	.1L	480
CDR-26	9' Cuttings	.05L	0.8	5	.1L	500
CDR-26	10-12' Core	.05L	0.9	7	.1L	530
CDR-27	9' Cuttings	.05L	0.7	4	.1L	470
CDR-27	13-15' Core	.05L	1.1	5	.1L	500
CDR-28	19' Cuttings	0.06	1.6	13	0.2	600
CDR-28	28-30' Core	0.09	1.0	14	0.3	620
CDR-29	6' Cuttings	.05L	1.6	10	.1L	570
CDR-29	14-16' Core	.05L	0.7	8	0.1	600
CDR-30	6-7' Cuttings	0.07	0.8	9	0.1	600
CDR-30	9-10' Cuttings	0.1	1.2	10	0.1	590
CDD1-1	17-18' Cuttings	.05L	0.9	8	.1L	580

Well No.	Depth, ft.	S %-L	Sb ppm-H	Sc ppm-I	Se ppm-H	Sr ppm-I
CDD1-2	35-36' Core	.05L	0.6	3	0.1	490
CDD1-3	7-8' Cuttings	.05L	1.3	10	0.1	580
CDD1-4	8' Cuttings	.05L	1.0	8	.1L	560
CDD1-5	30' Cuttings	.05L	0.6	3	.1L	470
CDD1-5	64-65' Core	0.22	1.0	6	0.2	610
CDD1-6	7-8' Cuttings	.05L	0.6	4	.1L	510
CDD1-7	20-21' Core	.05L	0.6	5	0.1	550
CDD1-9	9-10' Core	.05L	0.6	5	.1L	520
CDD1-10	20-21' Core	.05L	0.8	5	.1L	100
CDD1-11	30-31' Core	.05L	0.5	4	.1L	530
CDD1-13	9' Cuttings	.05L	1.0	9	.1L	610
CDD1-14	18-19' Cuttings	.05L	0.8	6	.1L	530
CDD1-14	30-31' Core	.05L	0.6	6	.1L	550
CVD1-1A	8-9' Core	.05L	0.8	8	0.1	580
CVD1-1C	20-25' Cuttings	.05L	0.9	10	0.1	610
CVD1-1C	32-33' Core	.05L	0.7	4	0.1	490
CVD1-2C	5-10' Cuttings	.05L	0.7	8	0.1	520
CVD1-2C	20-25' Cuttings	.05L	0.6	3	.1L	450
CVD1-2C	25-30' Cuttings	.05L	0.7	4	.1L	460
CVD1-3C	5-10' Cuttings	.05L	0.9	8	0.1	570
CVD1-3C	15-20' Cuttings	.05L	0.7	5	.1L	530
CVD1-3C	25-30' Cuttings	.05L	0.6	4	.1L	470
CVD1-4C	5-10' Cuttings	.05L	0.7	7	0.1	550
CVD1-4C	20-25' Cuttings	.05L	0.7	6	0.1	520
CVD1-4C	35-36' Core	.05L	0.6	4	.1L	480
CVD1-5C	5-10' Cuttings	.05L	0.8	7	0.1	500
CVD1-5C	20-25' Cuttings	.05L	0.7	5	0.1	540
CVD1-5C	35-36' Core	.05L	0.5	5	.1L	480
CVD1-6C	5-10' Cuttings	.05L	0.9	7	0.1	520
CVD1-6C	15-20' Cuttings	.05L	0.8	6	0.1	530
CVD1-6C	35-37' Core	.05L	0.6	4	.1L	480

Table 6.--Continued.

Well No.	Depth, ft.	Te ppm-AA	Th ppm-DN	Ti %-I	Tl ppm-AA	U ppm-DN
CVR-1	9-15' Cuttings	.05L	17.6	0.31	0.5	5.79
CVR-1	19' Cuttings	0.05	11.3	0.28	0.4	5.44
CVR-2	8-10' Cuttings	0.06	17.4	0.39	0.4	5.66
CVR-2	10-12' Core	0.05	10.2	0.27	0.3	4.04
CVR-2	19-21' Core	.05L	16.8	0.33	0.3	4.71
CVR-3	3-5' Cuttings	0.1	13.9	0.32	0.4	4.00
CVR-3	8-10' Core	.05L	10.5	0.21	0.4	3.28
CVR-3	15-18' Cuttings	.05L	12.0	0.35	0.3	5.37
CVR-4	2-6' Cuttings	0.05	14L	0.13	0.5	60.40
CVR-4	8-10' Core	.05L	12L	0.14	0.5	48.00
CVR-4	13-15' Core	.05L	5.0	0.11	0.5	4.22
CVR-5	9' Cuttings	0.15	18.3	0.43	0.3	3.83
CVR-6	18-20' Core	.05L	7.0	0.19	0.5	2.59
CVR-8	19' Cuttings	.05L	9.9	0.38	0.4	7.67
CVR-8	23-25' Core	0.15	29.1	0.36	0.3	12.60
CVR-9	17' Cuttings	0.05	5.8	0.14	0.6	1.85
CVR-10	14' Cuttings	0.05	8.7	0.41	0.3	3.85
DVR-11	8-10' Core	.05L	8.3	0.20	0.4	2.40
DVR-11	10-12' Core	.05L	7.7	0.20	0.4	2.93
DVR-12	8' Cuttings	0.05	11.0	0.25	0.4	2.57
DVR-12	17-19' Core	.05L	9.9	0.19	0.5	2.24
DVR-13	30' Cuttings	0.05	10.8	0.37	0.4	4.27
DVR-13	65' Cuttings	.05L	8.2	0.18	0.4	2.11
DVR-13	73-75' Core	.05L	7.3	0.22	0.4	2.72
CHR-14	9-10' Cuttings	0.1	5.9	0.21	0.5	2.01
CHR-14	15-17' Cuttings	.05L	7.9	0.28	0.4	6.07
CHR-15	15' Cuttings	0.05	11.7	0.39	0.4	4.54
CHR-15	20' Core	0.05	6.2	0.22	0.4	2.63
CDR-16	8' Cuttings	0.05	8.5	0.31	0.4	2.87
CDR-16	9' Cuttings	.05L	6.7	0.17	0.5	2.14

Well No.	Depth, ft.	Te ppm-AA	Th ppm-DN	Ti %-I	Tl ppm-AA	U ppm-DN
CDR-16	15-17' Core	0.05	9.3	0.19	0.3	3.00
CDR-17	9-10' Cuttings	.05L	7.0	0.24	0.3	3.01
CDR-17	18-20' Core	.05L	11.2	0.29	0.5	2.91
CDR-18	8-10' Cuttings	0.05	7.9	0.22	0.4	3.15
CDR-18	15-17' Core	.05L	7.3	0.23	0.5	2.92
CDR-19	6-7' Cuttings	.05L	8.5	0.31	0.4	2.72
CDR-19	13-15' Core	.05L	10.3	0.24	0.3	2.76
CDR-20	6' Cuttings	.05L	7.8	0.19	0.5	2.38
CDR-20	8-10' Core	.05L	5.9	0.19	0.5	2.16
CDR-21	11-12' Cuttings	0.05	7.6	0.28	0.4	3.08
CDR-21	15-17' Core	0.05	7.5	0.21	0.4	2.32
CDR-22	4' Cuttings	0.05	6.2	0.23	0.3	2.52
CDR-22	5-7' Core	.05L	6.1	0.16	0.4	2.12
CDR-23	12' Cuttings	.05L	7.7	0.20	0.5	2.50
CDR-23	18-20' Core	.05L	11.6	0.39	0.2	3.40
CDR-24	7-8' Cuttings	.05L	10.1	0.34	0.4	3.50
CDR-24	13-15' Core	.05L	8.0	0.17	0.4	2.08
CDR-25	12-13' Cuttings	.05L	9.9	0.19	0.4	2.23
CDR-25	13-15' Core	0.1	7.0	0.19	0.5	2.41
CDR-26	9' Cuttings	0.05	6.9	0.19	0.4	2.30
CDR-26	10-12' Core	.05L	6.8	0.23	0.5	2.36
CDR-27	9' Cuttings	.05L	6.3	0.15	0.5	1.99
CDR-27	13-15' Core	.05L	6.2	0.18	0.5	2.07
CDR-28	19' Cuttings	.05L	13.0	0.39	0.4	6.26
CDR-28	28-30' Core	.05L	14.5	0.41	0.3	6.42
CDR-29	6' Cuttings	0.05	10.1	0.32	0.4	3.69
CDR-29	14-16' Core	.05L	7.4	0.24	0.4	3.71
CDR-30	6-7' Cuttings	0.1	8.0	0.29	0.3	3.20
CDR-30	9-10' Cuttings	0.05	11.3	0.32	0.3	3.64
CDD1-1	17-18' Cuttings	0.05	12.0	0.31	0.6	3.55

Well No.	Depth, ft.	Te ppm-AA	Th ppm-DN	Ti %-I	Tl ppm-AA	U ppm-DN
CDD1-2	35-36' Core	.05L	6.4	0.14	0.5	2.52
CDD1-3	7-8' Cuttings	0.1	9.2	0.34	0.5	6.17
CDD1-4	8' Cuttings	0.1	12.0	0.30	0.5	4.25
CDD1-5	30' Cuttings	0.15	7.1	0.17	0.5	2.19
CDD1-5	64-65' Core	0.15	11.0	0.30	0.4	3.93
CDD1-6	7-8' Cuttings	0.15	8.0	0.22	0.6	3.02
CDD1-7	20-21' Core	0.15	7.8	0.23	0.5	2.66
CDD1-9	9-10' Core	0.05	10.7	0.26	0.5	2.88
CDD1-10	20-21' Core	0.15	12.8	0.16	0.5	5.93
CDD1-11	30-31' Core	0.05	7.2	0.21	0.5	2.43
CDD1-13	9' Cuttings	0.15	13.1	0.38	0.5	3.81
CDD1-14	18-19' Cuttings	0.1	9.2	0.26	0.6	2.96
CDD1-14	30-31' Core	0.1	14.3	0.30	0.5	3.66
CVD1-1A	8-9' Core	0.2	41.0	0.47	0.5	5.61
CVD1-1C	20-25' Cuttings	0.1	14.5	0.39	0.5	3.84
CVD1-1C	32-33' Core	0.25	9.1	0.22	0.6	2.30
CVD1-2C	5-10' Cuttings	0.1	20.2	0.37	0.6	4.24
CVD1-2C	20-25' Cuttings	0.1	16.7	0.16	0.5	3.42
CVD1-2C	25-30' Cuttings	0.1	9.1	0.21	0.8	2.34
CVD1-3C	5-10' Cuttings	0.05	22.2	0.39	0.6	4.81
CVD1-3C	15-20' Cuttings	0.2	15.4	0.31	0.6	3.29
CVD1-3C	25-30' Cuttings	0.1	12.8	0.23	0.5	2.98
CVD1-4C	5-10' Cuttings	0.15	16.8	0.35	0.5	3.47
CVD1-4C	20-25' Cuttings	0.05	16.6	0.31	0.5	3.62
CVD1-4C	35-36' Core	0.1	16.8	0.22	0.6	2.75
CVD1-5C	5-10' Cuttings	0.15	17.8	0.34	0.5	3.28
CVD1-5C	20-25' Cuttings	0.1	10.2	0.28	0.6	2.81
CVD1-5C	35-36' Core	0.1	5.6	0.26	0.6	1.83
CVD1-6C	5-10' Cuttings	0.2	32.9	0.40	0.4	5.80
CVD1-6C	15-20' Cuttings	0.1	20.6	0.34	0.5	3.86
CVD1-6C	35-37' Core	0.05	16.9	0.24	0.6	2.94

Table 6.--Continued.

Well No.	Depth, ft.	V ppm-I	Y ppm-I	Yb ppm-I	Zn ppm-I
CVR-1	9-15' Cuttings	54	19	2	64
CVR-1	19' Cuttings	48	17	2	56
CVR-2	8-10' Cuttings	110	16	2	27
CVR-2	10-12' Core	77	10	1	73
CVR-2	19-21' Core	100	15	1	35
CVR-3	3-5' Cuttings	86	16	1	46
CVR-3	8-10' Core	57	11	1	18
CVR-3	15-18' Cuttings	92	16	2	83
CVR-4	2-6' Cuttings	22	4	1L	70
CVR-4	8-10' Core	23	5	1L	22
CVR-4	13-15' Core	15	4	1L	41
CVR-5	9' Cuttings	120	12	1	30
CVR-6	18-20' Core	48	6	1L	36
CVR-8	19' Cuttings	92	10	1	33
CVR-8	23-25' Core	130	10	1	31
CVR-9	17' Cuttings	36	5	1L	27
CVR-10	14' Cuttings	94	12	1	48
DVR-11	8-10' Core	49	7	1L	37
DVR-11	10-12' Core	48	7	1L	40
DVR-12	8' Cuttings	65	9	1	41
DVR-12	17-19' Core	48	7	1L	34
DVR-13	30' Cuttings	78	12	1	34
DVR-13	65' Cuttings	43	6	1L	45
DVR-13	73-75' Core	48	7	1L	28
CHR-14	9-10' Cuttings	52	7	1L	26
CHR-14	15-17' Cuttings	74	10	1	27
CHR-15	15' Cuttings	94	14	2	39
CHR-15	20' Core	53	8	1L	22
CDR-16	8' Cuttings	72	11	1	36
CDR-16	9' Cuttings	43	8	1L	62

Well No.	Depth, ft.	V ppm-I	Y ppm-I	Yb ppm-I	Zn ppm-I
CDR-16	15-17' Core	43	8	1L	28
CDR-17	9-10' Cuttings	56	9	1L	26
CDR-17	18-20' Core	73	10	1	57
CDR-18	8-10' Cuttings	47	7	1L	29
CDR-18	15-17' Core	56	9	1	24
CDR-19	6-7' Cuttings	70	11	1	33
CDR-19	13-15' Core	58	9	1	27
CDR-20	6' Cuttings	46	8	1L	22
CDR-20	8-10' Core	42	7	1L	25
CDR-21	11-12' Cuttings	66	10	1L	93
CDR-21	15-17' Core	50	8	1L	91
CDR-22	4' Cuttings	57	9	1	42
CDR-22	5-7' Core	38	7	1L	56
CDR-23	12' Cuttings	49	7	1L	63
CDR-23	18-20' Core	75	15	1	60
CDR-24	7-8' Cuttings	78	12	1	91
CDR-24	13-15' Core	43	7	1L	31
CDR-25	12-13' Cuttings	45	7	1L	31
CDR-25	13-15' Core	45	8	1L	71
CDR-26	9' Cuttings	45	8	1L	70
CDR-26	10-12' Core	53	9	1L	40
CDR-27	9' Cuttings	34	7	1L	76
CDR-27	13-15' Core	39	7	1L	31
CDR-28	19' Cuttings	110	14	2	24
CDR-28	28-30' Core	110	16	2	68
CDR-29	6' Cuttings	81	14	1	71
CDR-29	14-16' Core	56	10	1	47
CDR-30	6-7' Cuttings	63	11	1	35
CDR-30	9-10' Cuttings	72	12	1	32
CDD1-1	17-18' Cuttings	83	12	1	51

Well No.	Depth, ft.	V ppm-I	Y ppm-I	Yb ppm-I	Zn ppm-I
CDD1-2	35-36' Core	31	7	1L	54
CDD1-3	7-8' Cuttings	100	14	2	54
CDD1-4	8' Cuttings	82	12	2	43
CDD1-5	30' Cuttings	40	7	1L	41
CDD1-5	64-65' Core	63	13	1	38
CDD1-6	7-8' Cuttings	53	8	1	69
CDD1-7	20-21' Core	52	9	1	51
CDD1-9	9-10' Core	68	9	1	60
CDD1-10	20-21' Core	61	9	1	63
CDD1-11	30-31' Core	43	9	1	77
CDD1-13	9' Cuttings	94	14	2	58
CDD1-14	18-19' Cuttings	62	10	1	43
CDD1-14	30-31' Core	70	12	1	50
CVD1-1A	8-9' Core	160	12	2	74
CVD1-1C	20-25' Cuttings	110	12	2	29
CVD1-1C	32-33' Core	57	7	1L	53
CVD1-2C	5-10' Cuttings	120	11	1	23
CVD1-2C	20-25' Cuttings	41	5	1L	41
CVD1-2C	25-30' Cuttings	55	6	1L	38
CVD1-3C	5-10' Cuttings	120	11	1	69
CVD1-3C	25-30' Cuttings	67	7	1L	43
CVD1-4C	5-10' Cuttings	110	9	1	66
CVD1-4C	20-25' Cuttings	96	10	1	22
CVD1-4C	35-36' Core	65	6	1L	28
CVD1-5C	5-10' Cuttings	100	9	1	32
CVD1-5C	20-25' Cuttings	78	8	1	31
CVD1-5C	35-36' Core	78	7	1L	52
CVD1-6C	5-10' Cuttings	160	10	1	37
CVD1-6C	15-20' Cuttings	100	9	1	28
CVD1-6C	35-37' Core	77	6	1L	60

Table 6.--Continued.

Well No.	Depth, ft.	Al_2O_3 % XR	CaO % XR	Fe_2O_3 % XR	K_2O % XR	MgO % XR
CVR-1	9-15' Cuttings	16.1	2.17	4.77	3.05	0.89
CVR-1	19' Cuttings	--	--	--	--	--
CVR-2	8-10' Cuttings	--	--	--	--	--
CVR-2	10-12' Core	--	--	--	--	--
CVR-2	19-21' Core	13.9	2.88	6.15	3.14	1.00
CVR-3	3-5' Cuttings	--	--	--	--	--
CVR-3	8-10' Core	14.3	2.75	3.30	3.00	0.62
CVR-3	15-18' Cuttings	--	--	--	--	--
CVR-4	2-6' Cuttings	--	--	--	--	--
CVR-4	8-10' Core	--	--	--	--	--
CVR-4	13-15' Core	13.4	1.96	0.66	3.17	0.31
CVR-5	9' Cuttings	14.9	3.88	6.01	2.77	1.73
CVR-6	18-20' Core	12.8	2.07	2.45	3.75	0.63
CVR-8	19' Cuttings	--	--	--	--	--
CVR-8	23-25' Core	12.7	2.80	6.59	3.17	0.95
CVR-9	17' Cuttings	13.0	2.02	1.67	3.84	0.50
CVR-10	14' Cuttings	16.3	4.23	4.78	2.53	2.10
DVR-11	8-10' Core	--	--	--	--	--
DVR-11	10-12' Core	13.7	2.48	2.40	3.28	0.64
DVR-12	8' Cuttings	--	--	--	--	--
DVR-12	17-19' Core	13.1	2.28	2.51	3.42	0.59
DVR-13	30' Cuttings	--	--	--	--	--
DVR-13	65' Cuttings	--	--	--	--	--
DVR-13	73-75' Core	14.0	2.66	2.92	3.22	0.73
CHR-14	9-10' Cuttings	--	--	--	--	--
CHR-14	15-17' Cuttings	13.8	4.32	3.72	2.75	1.84
CHR-15	15' Cuttings	--	--	--	--	--
CHR-15	20' Core	13.9	2.64	2.70	3.33	0.75
CDR-16	8' Cuttings	--	--	--	--	--
CDR-16	9' Cuttings	--	--	--	--	--

Well No.	Depth, ft.	Al_2O_3 % XR	CaO % XR	Fe_2O_3 % XR	K_2O % XR	MgO % XR
CDR-16	15-17' Core	14.4	3.13	2.17	3.18	0.83
CDR-17	9-10' Cuttings	--	--	--	--	--
CDR-17	18-20' Core	15.2	3.34	3.35	2.92	1.04
CDR-18	8-10' Cuttings	--	--	--	--	--
CDR-18	15-17' Core	14.7	2.83	2.30	3.21	0.82
CDR-19	6-7' Cuttings	--	--	--	--	--
CDR-19	13-15' Core	14.0	2.68	2.74	3.28	0.83
CDR-20	6' Cuttings	--	--	--	--	--
CDR-20	8-10' Core	13.9	2.74	1.96	3.45	0.65
CDR-21	11-12' Cuttings	--	--	--	--	--
CDR-21	15-17' Core	14.1	2.64	2.35	3.39	0.69
CDR-22	4' Cuttings	--	--	--	--	--
CDR-22	5-7' Core	13.6	3.91	1.98	3.25	0.72
CDR-23	12' Cuttings	--	--	--	--	--
CDR-23	18-20' Core	16.6	3.84	3.72	2.76	1.54
CDR-24	7-8' Cuttings	--	--	--	--	--
CDR-24	13-15' Core	13.5	2.40	2.05	3.67	0.62
CDR-25	12-13' Cuttings	--	--	--	--	--
CDR-25	13-15' Core	13.9	2.57	2.44	3.56	0.73
CDR-26	9' Cuttings	--	--	--	--	--
CDR-26	10-12' Core	14.7	3.14	2.80	3.10	0.99
CDR-27	9' Cuttings	--	--	--	--	--
CDR-27	13-15' Core	14.3	2.62	2.06	3.47	0.67
CDR-28	19' Cuttings	--	--	--	--	--
CDR-28	28-30' Core	15.7	5.93	5.48	2.62	3.11
CDR-29	6' Cuttings	--	--	--	--	--
CDR-29	14-16' Core	15.7	3.43	2.78	2.93	1.08
CDR-30	6-7' Cuttings	16.1	3.73	3.71	2.68	1.49
CDR-30	9-10' Cuttings	--	--	--	--	--
CDD1-1	17-18' Cuttings	15.5	4.72	4.02	2.94	1.83

Well No.	Depth, ft.	Al_2O_3 % XR	CaO % XR	Fe_2O_3 % XR	K_2O % XR	MgO % XR
CDD1-2	35-36' Core	13.9	2.53	1.46	3.42	0.54
CDD1-3	7-8' Cuttings	14.9	9.12	4.71	2.68	2.58
CDD1-4	8' Cuttings	15.0	6.89	4.07	2.88	2.13
CDD1-5	30' Cuttings	--	--	--	--	--
CDD1-5	64-65' Core	15.3	3.93	3.20	2.93	1.13
CDD1-6	7-8' Cuttings	14.1	2.61	2.49	3.60	0.73
CDD1-7	20-21' Core	14.9	3.16	2.76	3.12	0.98
CDD1-9	9-10' Core	14.3	3.00	3.25	3.07	0.87
CDD1-10	20-21' Core	16.2	3.24	4.21	2.89	1.46
CDD1-11	30-31' Core	14.9	2.89	2.29	3.16	0.83
CDD1-13	9' Cuttings	--	--	--	--	--
CDD1-14	18-19' Cuttings	--	--	--	--	--
CDD1-14	30-31' Core	15.0	3.39	3.67	2.85	1.07
CVD1-1A	8-9' Core	14.2	3.81	8.67	2.63	1.64
CVD1-1C	20-25' Cuttings	--	--	--	--	--
CVD1-1C	32-33' Core	13.8	2.65	2.99	3.45	0.92
CVD1-2C	5-10' Cuttings	--	--	--	--	--
CVD1-2C	20-25' Cuttings	--	--	--	--	--
CVD1-2C	25-30' Cuttings	12.7	2.14	2.65	3.81	0.70
CVD1-3C	5-10' Cuttings	--	--	--	--	--
CVD1-3C	15-20' Cuttings	--	--	--	--	--
CVD1-3C	25-30' Cuttings	13.0	2.31	3.45	3.76	0.80
CVD1-4C	5-10' Cuttings	--	--	--	--	--
CVD1-4C	20-25' Cuttings	--	--	--	--	--
CVD1-4C	35-36' Core	13.0	2.26	3.45	3.80	0.76
CVD1-5C	5-10' Cuttings	--	--	--	--	--
CVD1-5C	20-25' Cuttings	--	--	--	--	--
CVD1-5C	35-36' Core	12.5	1.90	2.05	3.94	0.58
CVD1-6C	5-10' Cuttings	--	--	--	--	--
CVD1-6C	15-20' Cuttings	--	--	--	--	--
CVD1-6C	35-37' Core	13.2	2.46	4.01	3.42	0.84

Table 6.--Continued.

Well No.	Depth, ft.	MnO % XR	Na_2O % XR	P_2O_5 % XR	SiO_2 % XR	TiO_2 % XR
CVR-1	9-15' Cuttings	0.09	3.80	0.1	65.6	0.51
CVR-1	19' Cuttings	--	--	--	--	--
CVR-2	8-10' Cuttings	--	--	--	--	--
CVR-2	10-12' Core	--	--	--	--	--
CVR-2	19-21' Core	0.06	3.29	0.12	67.3	0.55
CVR-3	3-5' Cuttings	--	--	--	--	--
CVR-3	8-10' Core	0.03	3.80	0.09	70.2	0.34
CVR-3	15-18' Cuttings	--	--	--	--	--
CVR-4	2-6' Cuttings	--	--	--	--	--
CVR-4	8-10' Core	--	--	--	--	--
CVR-4	13-15' Core	.02L	3.61	.05L	75.1	0.16
CVR-5	9' Cuttings	0.07	3.03	0.25	63.5	0.74
CVR-6	18-20' Core	0.02	2.88	0.1	73.3	0.28
CVR-8	19' Cuttings	--	--	--	--	--
CVR-8	23-25' Core	0.06	2.82	0.15	68.4	0.63
CVR-9	17' Cuttings	.02L	2.97	0.09	74.1	0.23
CVR-10	14' Cuttings	0.08	3.70	0.15	62.4	0.66
DVR-11	8-10' Core	--	--	--	--	--
DVR-11	10-12' Core	.02L	3.28	0.1	71.7	0.31
DVR-12	8' Cuttings	--	--	--	--	--
DVR-12	17-19' Core	.02L	3.04	0.09	72.8	0.30
DVR-13	30' Cuttings	--	--	--	--	--
DVR-13	65' Cuttings	--	--	--	--	--
DVR-13	73-75' Core	0.04	3.21	0.12	70.1	0.37
CHR-14	9-10' Cuttings	--	--	--	--	--
CHR-14	15-17' Cuttings	0.08	2.81	0.34	59.9	0.47
CHR-15	15' Cuttings	--	--	--	--	--
CHR-15	20' Core	0.03	3.21	0.11	71.3	0.35
CDR-16	8' Cuttings	--	--	--	--	--
CDR-16	9' Cuttings	--	--	--	--	--

Well No.	Depth, ft.	MnO % XR	Na_2O % XR	P_2O_5 % XR	SiO_2 % XR	TiO_2 % XR
CDR-16	15-17' Core	0.03	3.68	0.17	68.5	0.30
CDR-17	9-10' Cuttings	--	--	--	--	--
CDR-17	18-20' Core	0.04	3.59	0.15	67.5	0.48
CDR-18	8-10' Cuttings	--	--	--	--	--
CDR-18	15-17' Core	.02L	3.67	0.12	69.5	0.34
CDR-19	6-7' Cuttings	--	--	--	--	--
CDR-19	13-15' Core	0.03	3.32	0.11	70.5	0.39
CDR-20	6' Cuttings	--	--	--	--	--
CDR-20	8-10' Core	0.03	3.37	0.1	71.5	0.28
CDR-21	11-12' Cuttings	--	--	--	--	--
CDR-21	15-17' Core	0.02	3.34	0.11	70.9	0.33
CDR-22	4' Cuttings	--	--	--	--	--
CDR-22	5-7' Core	0.03	3.54	0.12	70.2	0.27
CDR-23	12' Cuttings	--	--	--	--	--
CDR-23	18-20' Core	0.05	3.75	0.22	63.9	0.63
CDR-24	7-8' Cuttings	--	--	--	--	--
CDR-24	13-15' Core	0.03	3.18	0.1	72.6	0.29
CDR-25	12-13' Cuttings	--	--	--	--	--
CDR-25	13-15' Core	0.06	3.27	0.12	71.3	0.32
CDR-26	9' Cuttings	--	--	--	--	--
CDR-26	10-12' Core	0.03	3.57	0.13	68.6	0.39
CDR-27	9' Cuttings	--	--	--	--	--
CDR-27	13-15' Core	0.04	3.44	0.11	71.4	0.29
CDR-28	19' Cuttings	--	--	--	--	--
CDR-28	28-30' Core	0.1	3.54	0.24	53.7	0.68
CDR-29	6' Cuttings	--	--	--	--	--
CDR-29	14-16' Core	0.03	3.70	0.23	66.8	0.39
CDR-30	6-7' Cuttings	0.07	3.80	0.19	64.0	0.51
CDR-30	9-10' Cuttings	--	--	--	--	--
CDD1-1	17-18' Cuttings	0.07	3.19	0.19	62.0	0.52

Well No.	Depth, ft.	MnO % XR	Na_2O % XR	P_2O_5 % XR	SiO_2 % XR	TiO_2 % XR
CDD1-2	35-36' Core	.02L	3.77	0.09	72.8	0.23
CDD1-3	7-8' Cuttings	0.09	2.52	0.23	52.4	0.56
CDD1-4	8' Cuttings	0.08	2.82	0.19	58.2	0.49
CDD1-5	30' Cuttings	--	--	--	--	--
CDD1-5	64-65' Core	0.05	3.82	0.16	66.7	0.50
CDD1-6	7-8' Cuttings	0.03	3.24	0.12	70.8	0.33
CDD1-7	20-21' Core	0.04	3.58	0.14	68.5	0.36
CDD1-9	9-10' Core	0.03	3.47	0.12	69.6	0.42
CDD1-10	20-21' Core	0.07	3.37	0.18	64.3	0.57
CDD1-11	30-31' Core	0.02	3.76	0.1	69.9	0.31
CDD1-13	9' Cuttings	--	--	--	--	--
CDD1-14	18-19' Cuttings	--	--	--	--	--
CDD1-14	30-31' Core	0.04	3.88	0.14	68.1	0.51
CVD1-1A	8-9' Core	0.09	2.85	0.22	61.6	0.80
CVD1-1C	20-25' Cuttings	--	--	--	--	--
CVD1-1C	32-33' Core	0.04	2.94	0.14	69.7	0.37
CVD1-2C	5-10' Cuttings	--	--	--	--	--
CVD1-2C	20-25' Cuttings	--	--	--	--	--
CVD1-2C	25-30' Cuttings	0.03	2.72	0.11	73.2	0.32
CVD1-3C	5-10' Cuttings	--	--	--	--	--
CVD1-3C	15-20' Cuttings	--	--	--	--	--
CVD1-3C	25-30' Cuttings	0.03	2.85	0.12	71.4	0.37
CVD1-4C	5-10' Cuttings	--	--	--	--	--
CVD1-4C	20-25' Cuttings	--	--	--	--	--
CVD1-4C	35-36' Core	0.03	2.81	0.12	71.5	0.35
CVD1-5C	5-10' Cuttings	--	--	--	--	--
CVD1-5C	20-25' Cuttings	--	--	--	--	--
CVD1-5C	35-36' Core	.02L	2.73	0.09	74.5	0.25
CVD1-6C	5-10' Cuttings	--	--	--	--	--
CVD1-6C	15-20' Cuttings	--	--	--	--	--
CVD1-6C	35-37' Core	0.03	3.01	0.12	70.5	0.41

Table 6.--Continued.

Well No.	Depth, ft.	Loss on Ignition
CVR-1	9-15' Cuttings	2.31
CVR-1	19' Cuttings	--
CVR-2	8-10' Cuttings	--
CVR-2	10-12' Core	--
CVR-2	19-21' Core	0.99
CVR-3	3-5' Cuttings	--
CVR-3	8-10' Core	1.11
CVR-3	15-18' Cuttings	--
CVR-4	2-6' Cuttings	--
CVR-4	8-10' Core	--
CVR-4	13-15' Core	0.54
CVR-5	9' Cuttings	2.16
CVR-6	18-20' Core	0.84
CVR-8	19' Cuttings	--
CVR-8	23-25' Core	1.10
CVR-9	17' Cuttings	0.67
CVR-10	14' Cuttings	2.24
DVR-11	8-10' Core	--
DVR-11	10-12' Core	1.02
DVR-12	8' Cuttings	--
DVR-12	17-19' Core	0.86
DVR-13	30' Cuttings	--
DVR-13	65' Cuttings	--
DVR-13	73-75' Core	1.64
CHR-14	9-10' Cuttings	--
CHR-14	15-17' Cuttings	9.32
CHR-15	15' Cuttings	--
CHR-15	20' Core	1.25
CDR-16	8' Cuttings	--
CDR-16	9' Cuttings	--

Well No.	Depth, ft.	Loss on Ignition
CDR-16	15-17' Core	2.04
CDR-17	9-10' Cuttings	--
CDR-17	18-20' Core	1.28
CDR-18	8-10' Cuttings	--
CDR-18	15-17' Core	1.69
CDR-19	6-7' Cuttings	--
CDR-19	13-15' Core	0.96
CDR-20	6' Cuttings	--
CDR-20	8-10' Core	1.22
CDR-21	11-12' Cuttings	--
CDR-21	15-17' Core	0.97
CDR-22	4' Cuttings	--
CDR-22	5-7' Core	2.02
CDR-23	12' Cuttings	--
CDR-23	18-20' Core	2.46
CDR-24	7-8' Cuttings	--
CDR-24	13-15' Core	0.57
CDR-25	12-13' Cuttings	--
CDR-25	13-15' Core	0.94
CDR-26	9' Cuttings	--
CDR-26	10-12' Core	1.56
CDR-27	9' Cuttings	--
CDR-27	13-15' Core	1.19
CDR-28	19' Cuttings	--
CDR-28	28-30' Core	8.25
CDR-29	6' Cuttings	--
CDR-29	14-16' Core	2.02
CDR-30	6-7' Cuttings	2.75
CDR-30	9-10' Cuttings	--
CDD1-1	17-18' Cuttings	4.55

Well No.	Depth, ft.	Loss on Ignition
CDD1-2	35-36' Core	0.67
CDD1-3	7-8' Cuttings	9.48
CDD1-4	8' Cuttings	6.80
CDD1-5	30' Cuttings	--
CDD1-5	64-65' Core	1.40
CDD1-6	7-8' Cuttings	0.97
CDD1-7	20-21' Core	1.92
CDD1-9	9-10' Core	0.86
CDD1-10	20-21' Core	2.85
CDD1-11	30-31' Core	0.81
CDD1-13	9' Cuttings	--
CDD1-14	18-19' Cuttings	--
CDD1-14	30-31' Core	0.86
CVD1-1A	8-9' Core	2.89
CVD1-1C	20-25' Cuttings	--
CVD1-1C	32-33' Core	2.30
CVD1-2C	5-10' Cuttings	--
CVD1-2C	20-25' Cuttings	--
CVD1-2C	25-30' Cuttings	0.77
CVD1-3C	5-10' Cuttings	--
CVD1-3C	15-20' Cuttings	--
CVD1-3C	25-30' Cuttings	1.01
CVD1-4C	5-10' Cuttings	--
CVD1-4C	20-25' Cuttings	--
CVD1-4C	35-36' Core	0.84
CVD1-5C	5-10' Cuttings	--
CVD1-5C	20-25' Cuttings	--
CVD1-5C	35-36' Core	0.68
CVD1-6C	5-10' Cuttings	--
CVD1-6C	15-20' Cuttings	--
CVD1-6C	35-37' Core	0.92