U. S. DEPARTMENT OF THE INTERIOR

U.S. GEOLOGICAL SURVEY

ASSESSMENT OF GEOCHEMICAL VARIABILITY AND A LISTING OF GEOCHEMICAL DATA FOR SURFACE SOILS OF THE FRONT RANGE URBAN CORRIDOR, COLORADO

by

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Open-File Report 94-648

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1994

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INTRODUCTION

The Front Range Urban Corridor (referred to as "Corridor"), Colorado, centered on metropolitan Denver, is one of the fastest growing urban corridors in the country (fig. 1). Because the area includes a wide range of bedrock types, surficial deposits, and soils, the distribution and concentrations of major chemical constituents and trace elements might have a naturally high variance due to differences in geology. Superimposed on this natural geologic variability is the effect of anthropogenic additions of trace elements from the urban environment. The project described in this report is a study of the geochemistry and spatial variability of soils in the Corridor. This work is based on systematic sampling of the upper 15 cm of surface soils at 760 sites throughout the Corridor. The study objectives were, (1) to determine systematically the areal distribution of element concentrations at the interface between man and his solid environment in such a way that the concentrations can be shown on synoptic maps; (2) to provide a geochemical baseline so that future changes in levels of elements can be determined as a measure of the contributions from pollution and agricultural practices; (3) to provide a basis for comparison of element distribution with health conditions; and (4) to lead to a better understanding of the processes by which elements are redistributed in this urban area as well as in the general geochemical cycle.

The Corridor project began with a pilot study based on the Longmont area (Tourtelot, 1973; Tourtelot and Miesch, 1975). The findings of the pilot study were used to design a much larger study including the whole Corridor. As data from this larger study became available, they were discussed and interpreted (Tourtelot, 1975, 1977; Tourtelot and Neiman, 1974). These data from the larger Corridor study are included in this report without further citation. Data from the Longmont area pilot study are not included here.

Much of the Corridor was farm and pasture land when the study was conducted in the 1970's. Urbanization and industrialization has occurred at increasing rates over the last several decades. The soil geochemistry data collected in this study are suitable for estimating the geochemical effects of a large urban city relative to baseline composition of soil in relatively undisturbed settings. In addition, the data gathered in the 1970's provide a baseline against which future geochemical changes can be measured.

A systematic sampling of surface soils (0-15 cm depth) from the Corridor (fig. 1) was planned and conducted during 1971-1976. A total of 780 samples were collected. Sample sites were selected by using a square grid pattern and incorporating an analysis-of-variance design. The geochemical composition (42 elements, plus 3 carbon forms) of the soils was determined, and these data were used to meet the objectives of the study.

Contour maps representing an element's concentration in soil can be prepared at any scale by collecting samples on a grid appropriate for that scale. However, there are no assurances that a contour map prepared in this manner will reliably represent the true geochemical patterns of the landscape. Analysis-of-variance can be used to measure the magnitude and distribution of natural variability that exists at various geographic scales. From the variance components it is possible to estimate the

feasibility of preparing geochemical maps of element distributions of known reliability in soils at various geographic scales. Feasibility is defined by the requirement to focus sampling at those geographic scales where the largest amount of variance occurs consistent with a practical ability to collect and analyze the minimum number of random samples required in each cell of a specified size. Thus, it is feasible to prepare contour maps of element concentration in soils of the Corridor based on the data already collected.

METHODS

Sampling Design

The sampling plan is diagrammed in fig. 2. The Corridor was divided into four *zones* based on geology (compare figs. 1 and 2). A grid consisting of 8 by 8 km squares (64 km^2) was used to partition the Corridor into cells. The sampling area within each square grid consisted of the central 4 by 4 km square (16 km^2). The actual area sampled amounted to one-fourth of the grid; however, because random sampling was used, the data are representative of the entire area. Each 16 km^2 square sampling area was divided into quarters, and two of these were chosen by random procedures to form *sample localities*. Within each locality, two *sample sites* were chosen randomly. Each sample site is defined as a 50 by 50 m square, and two samples were taken at random within the site and combined to make a *single composite sample*. The samples from 70 sites were not combined but were analyzed separately so that variation in composition at this small scale could be estimated.

General sampling locations for the study were determined with the aid of U.S. Geological Survey 1:24,000 scale topographic maps. All sampling sites were selected on topographic maps before going into the field. The target sample population was defined as a composite sample of soil and surficial material from the top 15 cm that could be collected with a hand shovel. This eliminated hard-rock outcrops, asphalt paving, and lakes. The sampling objective was to collect samples whose composition would describe the geochemical variation over the large area of the Corridor as a whole. Consequently, sample sites were accepted as they had been determined in advance, depending somewhat upon any problems of access that occurred in the field. Sampling sites fell along roads and highways, in cultivated fields, pasture lands, city parks, and the front yards of residences in cities and towns.

Statistical Techniques

Anaysis-of-Variance

A six-level, unbalanced, nested, analysis-of-variance (AOV) design was built into the study. This statistical design allows the partitioning of the total measured natural variation into components (table 1). The first component (zones) is related to geology, and the next four components are related to the various sampling cell sizes of areas, localities, sites, and samples (fig. 2). In addition, 15 samples were chosen at random and split into two parts and each part analyzed independently. This duplicate analysis of samples represents the sixth level of the design and gives a

component estimating all procedural errors, including field sampling, sample preparation, and sample analysis.

A further precaution was taken to convert any systematic error, which might occur in either sampling or analysis, into random errors. This was accomplished by analyzing all samples (original and duplicate samples) in a randomized sequence so that any geographic trend in the data was not confounded by any possible analytical trend.

Statistical analyses require complete numeric data sets. Some elements were reported as being below the lower limit of determination (censored data) of the analytical method (table 2). These elements are identified in table 3 as having detection ratios of <712:712. Where more that 25 percent (<534:712) of the determinations were below detection (silver, boron, carbonate-carbon, cerium, chlorine, fluorine, molybdenum, niobium, neodymium, phosphorus oxide, and total sulfur) the observed ranges are presented in table 3 but the elements are omitted from further interpretation. Otherwise, the censored values were replaced with arbitrary values equal to 70 percent of their lower limit of determination. The replacement values are justified because their small number neither alters the statistical tests nor affects the interpretation of the data. For the elements with censored distributions, the geometric means and deviations were estimated by the technique of Cohen (1959) for singly truncated distributions.

Relative imprecision, as indicated by the percentage of variation due to procedural error (table 1), is considered excessive when it exceeds 50 percent. Natural landscape variation for germanium, antimony, selenium, and tin is dominated (greater than 50 percent) by variation owing to field and laboratory procedural errors. Summary statistics are presented (table 3), but no further interpretations are made for these elements.

Variance Ratios and Mapping Requirements

The variance-mean ratio (Vm) (Miesch, 1976) is computed from estimates of variance components associated with sampling cell sizes described above. The Vm provides an index of relative stability of mean values used to construct geochemical maps. Vm values computed for different cell sizes are useful for evaluating the feasibility of mapping the distribution of an element at those different size cells. For example, Vm values for areas would be computed as follows:

$$Vm = \frac{s^2_{zone} + s^2_{area}}{n\,s^2_{locality} + n\,s^2_{locality} + n\,s^2_{site} + n\,s^2_{site} + n\,s^2_{sample} + n\,s^2_{sample} + n\,s^2_{error} + n\,s^2_{error}}$$

where the numerator is the sum of the variance components (s^2) for zones and areas and the denominator is the sum of the variance components (s^2) multiplied by the average number of samples (n) collected within each smaller sampling interval, plus estimates of procedural errors. In other words, the numerator is the variance between sampling areas, and the

denominator is the variance within sampling areas adjusted for the numbers of samples collected within sampling areas. A Vm equal to 1.0 is approximately equivalent to an F-test at a probability level of 80 percent. Taking a Vm equal to 1.0 as a threshold, for values less than 1.0 we judge that a map of element concentration prepared from the existing data, at the sampling interval indicated in the numerator of the equation above, tends not to faithfully reproduce the true geochemical pattern (Miesch, 1976, p. 102). As Vm increases, the map pattern increasingly reflects the true geochemical pattern. Mean values for areas for all remaining elements and compounds except aluminum oxide can be used to prepare stable geochemical maps (table 4) because their Vm values exceed the 1.0 threshold value.

Variation between zones, areas, localities, or sites may be mapped by using sampling unit averages, if enough samples are collected at random within each sampling unit to produce a stable average. The minimum number of random samples (n_r) required within a sampling unit can be calculated from the analysis of variance data. A variance ratio (v) defines the variance measured *between* sampling units compared to the variance measured *within* sampling units (Miesch, 1976). The minimum number of samples to collect from within each sampling unit is defined by the equation:

$$F = 1 + n_r v$$

where n_r is adjusted so that the sum $(1 + n_r v)$ exceeds the critical F-statistic (F) at a chosen confidence interval with 1 and $2n_r - 2$ degrees of freedom. Minimum numbers of random samples needed to prepare stable geochemical maps at the 80 percent and 95 percent probability levels, based on area means, are shown in table 4.

Laboratory Methods

All soil samples were dried under forced air at ambient temperature. The dry samples were disaggregated using a mechanical ceramic mortar and pestle, sieved to minus 10 mesh (2 mm), and a split of the minus 2-mm material was ground to minus 100 mesh (0.15 mm). The minus 100-mesh material was used for all chemical analysis.

Chemical analyses were performed by two main techniques, optical emission spectroscopy (OES) and X-ray fluorescence spectrometry (XRF). Additional determinations were performed by atomic absorption spectrometry (AAS), ion selective electrode, and gasometric procedures.

Samples were analyzed simultaneously for about 60 elements using OES. This method provides data routinely for about 20 elements. The other elements looked for are typically at or near the detection limit in most soil samples. The results are semiquantitative-they are reported in six geometric steps per order of magnitude. A detailed discussion of the method is provided by Neiman (1976).

X-ray fluorescence spectrometry was used to analyze soil samples for major elements as well as selected trace elements. A detailed discussion of the method is provided by Wahlberg (1976).

Huffman and Dinnin (1976) provide descriptions of the methods used to determine selected elements by AAS, ion selective electrode, and other techniques.

RESULTS

Baselines and Variability

The elements or elements reported as compounds that were detected in the surface soil samples are summarized in table 3 by their detection ratio, geometric mean and deviation, baseline range, and observed range. A listing of the results of analysis for 845 surface soil samples from 190 areas is given in appendix table A1, including results of analysis for the additional 70 uncomposited site samples collected to determine sample variance and results of analysis for the additional 15 laboratory duplicate splits. The baseline range, as defined by Tidball and Ebens (1976), is computed as the expected 95-percent range of the distribution of values measured in samples from this study. This means that if a new soil sample was to be collected in the Corridor and analyzed for some element, there is only a 1-in-20 chance that the determined value for that element would be outside of this range. The observed range is the lowest and highest values measured.

These summary statistics on the composition of soils provide an overview of their geochemistry. The information is useful for making comparisons with the geochemistry of soils from other areas to determine, on a gross scale, whether these soils are typical or unusual in their chemical composition. However, this study was designed to provide, in addition to this general geochemical overview, information about the distributions of elements in soils across the landscape and possible anthropogenic additions of trace elements from urban areas.

Landscape distribution patterns of elements may represent naturally occurring concentrations in soil or technological additions. These concentrations are not necessarily in equilibrium with the environment. The values measured in this study represent the natural concentration plus any anthropogenic additions, minus amounts removed by leaching or other removal processes. Element retention in, or removal from, soil is variable depending on the geochemistry of the specific element and the specific physical and chemical characteristics of the soil and its weathering environment. Soil properties that affect the retention of elements are the amount and types of clay, the amount of organic matter, the amount of iron and manganese oxides, the soil pH, and the oxidation-reduction state of the soil. Physical characteristics such as porosity, permeability, position on a slope, and erosion rates also affect the concentration, the retention, and the leaching of elements. The major purposes for collecting samples based on an analysis-of-variance design were to determine the amount of natural plus anthropogenic variability that exists at various geographic scales and to interpret possible geochemical origins from the observed variation.

Geochemical maps for element concentrations in soils, based on geometric means for area sampling units, are given in figs. 3-1 to 3-30. For elements with a Vm greater than 1.0, five contour intervals are represented by the geometric mean for all samples and the upper and lower boundaries for the 68 percent and 95 percent boundaries of a log-normal distribution. The 68 percent range is computed as GM/GD to GM X GD, and the 95 percent range is GM/GD^2 to $GM \times GD^2$, where GM is the geometric mean and GD is the geometric deviation (fig. 3 caption). The baseline range is

computed as the expected range as defined by Tidball and Ebens (1976). The distributions of variance components (table 1) and the maps showing element distributions (fig. 3) indicate that the element concentrations in these soils are, on the average, relatively uniform over the study area, but the samples collected at very close sampling intervals are as variable as those collected over large distance increments.

Patterns Related to Geology

The sample site and generalized geologic map (figs. 1 and 2) show that samples were collected in each of the geologic units. The number of samples collected within each geologic unit is roughly proportional to the area each unit occupies. The geology in fig. 1 is greatly simplified. The Corridor is bordered on the west by the mountains of the Front Range, made up of metamorphic and igneous rocks in which a variety of metallic mineral deposits occur. These are the oldest rocks in the study area. The mountains are fringed by a narrow boarder of sedimentary rocks that take the form of "hogbacks." The northern and southern parts of the Corridor are underlain by marine shale, which typically contain larger amounts of trace elements than other types of rocks, with the exception of rocks that host metallic mineral deposits. This marine shale is covered by non-marine sedimentary rocks, which, in the northern part of the Corridor, contain coal beds. The non-marine rocks between Denver and Colorado Springs are composed mainly of debris eroded from the mountains to the west and also contain some materials of volcanic origin. Most of the Corridor, but particularly the northern half, is mantled with surficial deposits of sand, gravel, and wind deposited loess. Stream valleys and low stream terraces throughout the Corridor are filled with alluvium and make up much of the better agricultural land of the area.

The geochemical composition of soils and other nontransported surface materials is derived primarily from the composition of the underlying bedrock. Factor analysis in the R-mode was performed using a varimax solution. Correlations between the sample scores and the variables are presented in table 5. Factor analysis was used as an aid in interpreting the relationship among elements and their spatial relation to geology. Elements grouping on factor one (table 5) are typical of mafic rocks. The highest concentrations of these elements tend to be associated with areas defined in fig. 2 as the northern half of zone one and zone two. Factor two (table 5) element groupings suggest felsic rock compositions. The highest concentrations for these elements correspond to the areas defined in fig. 2 as the southern half of zone one and zone four. Factor three (table 5) elements represent urban influences and are discussed in a subsequent section of this report. Elements associated with factor four (table 5) show their highest concentrations within small areas confined mainly to zone one (fig. 2). This element association suggests rocks of ultramafic composition; however, this factor actually represents a few sample locations that contained soils collected from moist locations that were high in organic matter. Factor five (table 5) element associations represent marine sediments of Cretaceous age and their highest concentrations are located in zone two (fig. 2). Zone three (fig. 2) contains mainly eolian transported sediments and samples collected from

this area contain small concentrations of most elements. Samples collected from zone 4 (fig. 2) are most closely related to factor 2 (table 5).

Total carbon (fig. 3-5) and organic carbon (fig. 3-6) exhibit similar patterns. Nearly all of the carbon is in an organic rather than inorganic form. The map pattern shows an increase in carbon from east to west, and probably reflects a climatic gradient, rather than geologic or urban controls. Geologic or urban influences are not apparent for either form of carbon.

Patterns Related to Urban Influence

Copper is an element that is relatively concentrated in marine shale and can also occur as an accessory element in minerals of igneous and metamorphic rocks of the mountains. A few of the larger area means for copper occur in the marine shale areas in both the north and south ends of the Corridor (fig. 3-10). The smaller area means coincide with the non-marine geologic units. These patterns suggest a geologic control on copper distribution. However, the landscape distribution for copper also shows a prominent cluster of large area means overlying metropolitan Denver. Additionally, a linear pattern of large area means extends downstream in the South Platte River valley north of Denver. The cluster of large area means in Denver and up the South Platte River Valley departs from patterns expected based on geologic control. This pattern probably reflect technological inputs of copper.

Zinc is an element with similar geologic controls as copper and nickel (see the discussion for copper). These controls are reflected in it's landscape distribution (fig. 3-29). There also appears to be a significant technological source for zinc because the pattern of large area means for Denver, Colorado Springs, and the South Platte River mimic those for lead (fig. 3-21). Zinc has a technological source that is diffused into the general technological activities of an urban area.

Arsenic (fig. 3-2) is expected to be associated with marine shales. The landscape pattern of large area means also suggests that arsenic is added by technology because of the large area means for the Colorado Springs, Denver, and South Platte River areas.

Lead is an element that is not highly concentrated in any of the rock types that occur in the Corridor. A geochemical map showing the natural distribution of lead would be expected to show only a random pattern. The lead distribution (fig. 3-21) pattern is distinct with the largest area means clustered in metropolitan Denver and along the South Platte River. The southern-most cluster of high area means coincides with the city of Colorado Springs, where the soils in the downtown park contains as much as 700 parts per million. Some large area means appear to be associated with the interstate highway north of Colorado Springs, but similar patterns do not appear around Denver because the interstate highway was not close to any sampling locations in this area. The technological source for lead is probably largely related to lead-based paint, smelting, and leaded gasoline.

Mercury, like lead, should have little or no geologic control in the Corridor. The similar patterns for mercury (fig. 3-13) with copper, lead, and zinc indicate that large area means are associated with technology.

Source, transport, deposition, and accumulation processes for mercury follows the same pattern as for copper, lead, and zinc.

Environmentally Important but Non-mappable Elements

Molybdenum and silver had very few reported values above the lower detection limit (table 3). Because these are environmentally important elements, point plots of detected values are given in figs. 4-2 and 4-4. Most of the detectable molybdenum values (fig. 4-2) are associated with the marine formations of Cretaceous age (fig. 1). Some of the highest values coincide with Denver and the Platte River valley. Both geologic and urban sources may be responsible for its distribution patterns. Silver (fig. 4-4) appears to be definitely associated with urban influences. The detected values for silver coincide with Denver and follow the Platte River valley.

Area means for other environmentally important elements (antimony, selenium, and tin) that exhibited excessive procedural error (table 1) are included as figs. 4-1, 4-3, and 4-5. The geochemical patterns displayed on these maps are probably not stable, and any interpretations should be considered very generalized and speculative. The higher cell means for selenium (fig. 4-3) occur at the extreme north and south ends of the study area. They coincide with Cretaceous marine shales and suggest a geologic influence. Selenium values surrounding urban areas or dispersion patterns from urban areas do not show elevated concentrations. Selenium is speculated to be unrelated to urban activities. The higher values for antimony (fig. 4-1) and tin (fig. 4-5) appear within urban areas, but the values do not follow the dispersion pattern along the Platte River as do some other elements. It is speculated that these elements may be associated with urban influences, but they are not as susceptible to transport as are many other elements. No patterns between geology and element distribution are apparent; however, procedural errors may obscure any true patterns.

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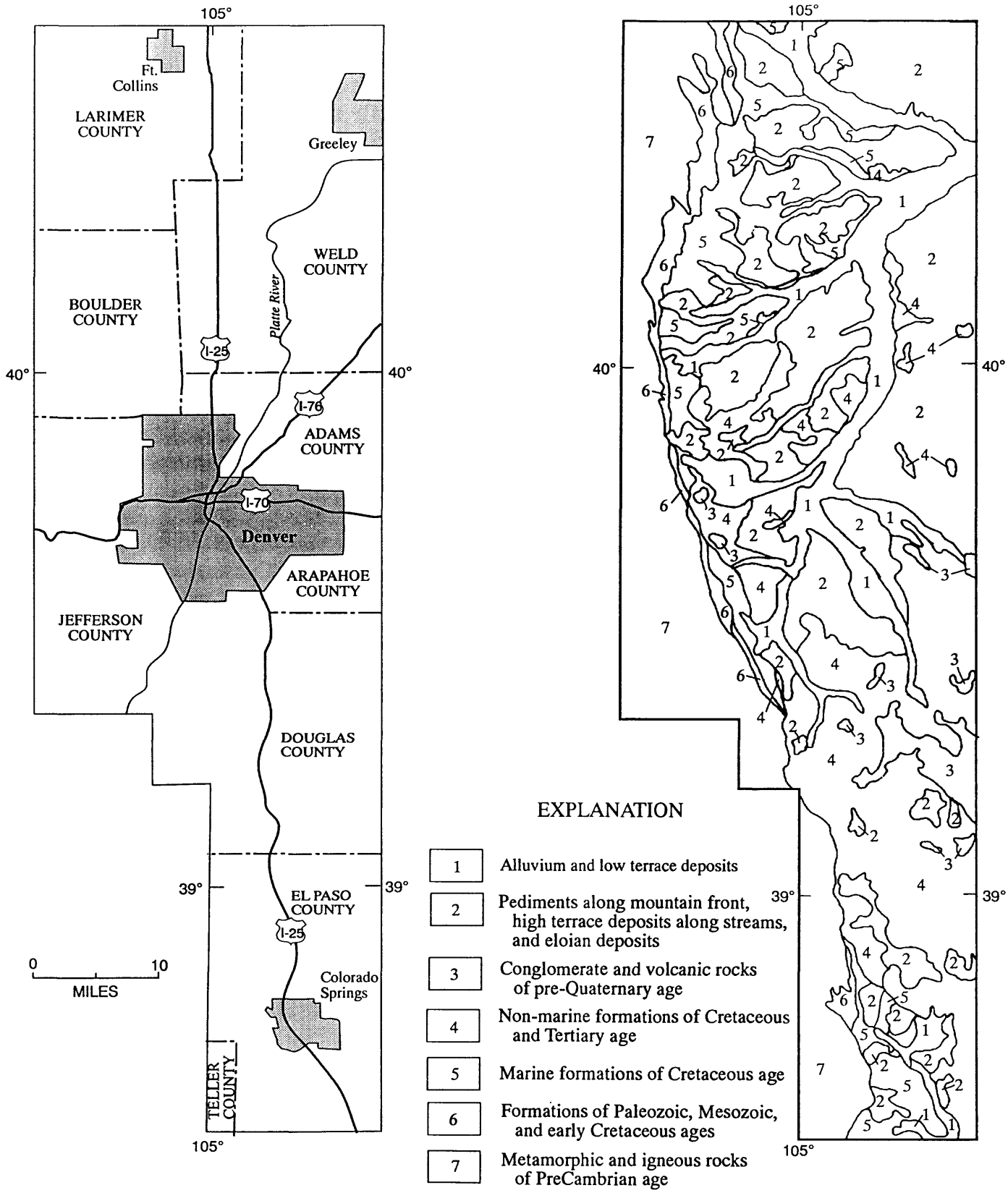


Figure 1.--Location of the Front Range Urban Corridor, Colorado, showing cultural features and geology generalized from Colton (1978) and Trimble and Machette (1979a,b).

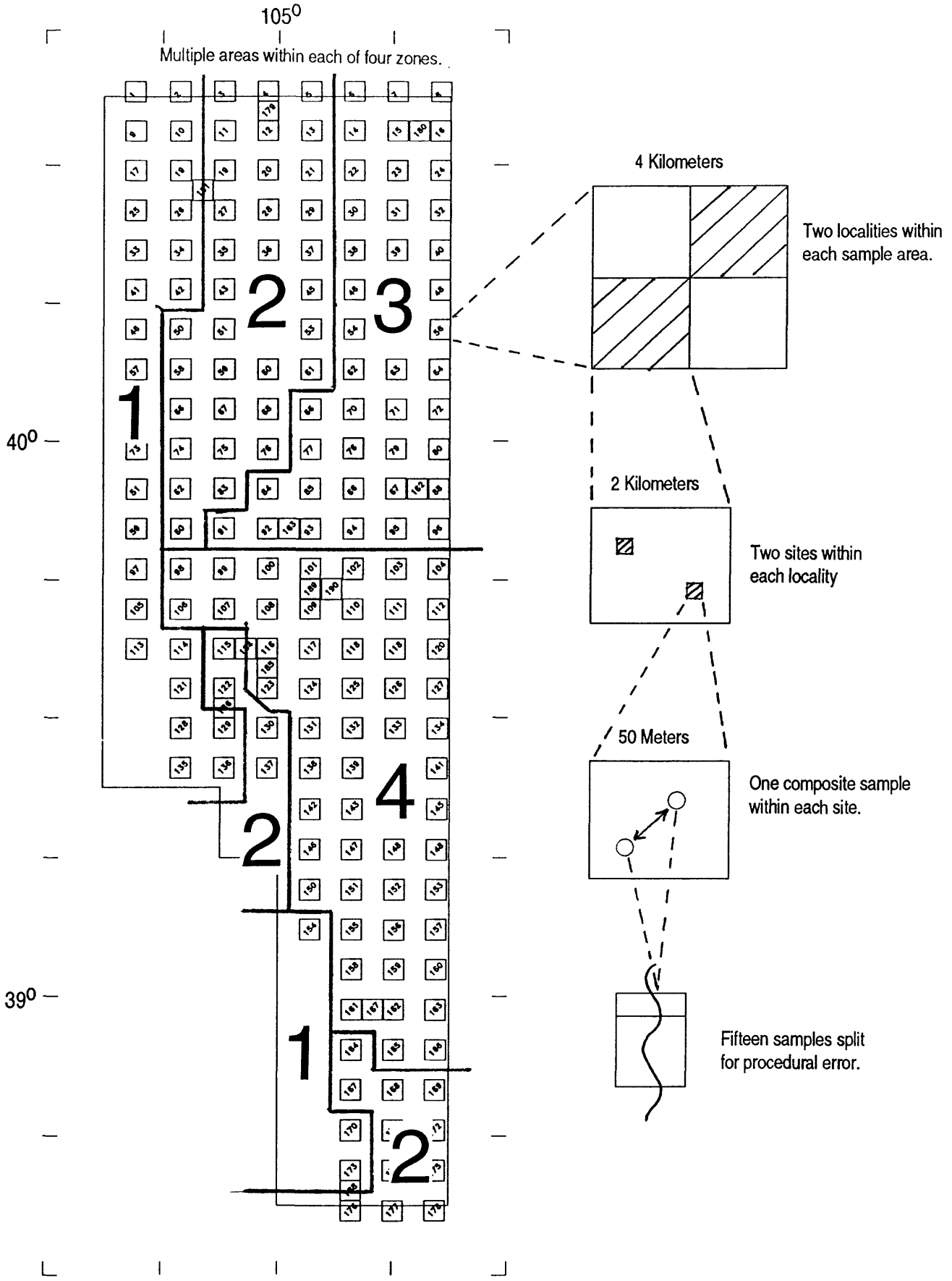


Figure 2.--Diagram showing the sampling scheme and defining the terminology for zone, area, locality, site, and sample.

Figure 3 Explanation.

The contour map on the left side of the page was constructed based on geometric means for samples within each of the 190 sampling areas. Contouring was done by an inverse-distance algorithm and averaging the four nearest neighbors. Five contour intervals are represented by the geometric mean for all samples, and the upper and lower boundaries for the 68 percent and 95 percent boundaries of a log-normal distribution. The 68 percent range is computed as GM/GD to GM X GD, and the 95 percent range is GM/GD^2 to GM X GD^2, where GM is the geometric mean and GD is the geometric deviation (table 3).

The figure on the right side of the page contains the cell means used in constructing the contour maps.

	Contour intervals				
Variable	95%	68%	GM	68%	95%
Al_2O_3, %	6.1	8.1	10.7	14.2	18.6
As, ppm	0.6	1.4	3.5	8.8	22
Ba, ppm	450	630	890	1300	1800
Be, ppm	0.5	0.8	1.2	1.90	2.80
C, total, %	0.39	0.75	1.42	2.70	5.13
C, organic, %	0.33	0.64	1.26	2.48	4.89
CaO, %	0.21	0.49	1.16	2.73	6.41
Co, ppm	0.30	1.2	4	14	47
Cr, ppm	7.2	15	31	64	130
Cu, ppm	2.3	5.4	13	31	74
Fe_2O_3, %	0.96	1.73	3.09	5.53	9.9
Ga, ppm	9.3	12	16	21	27
Hg, ppm	0.006	0.012	0.024	0.049	0.099
K_2O, %	1.4	2.07	3.06	4.53	6.70
La, ppm	2	8	37	160	690
Li, ppm	7.7	12	20	32	52
MgO, %	0.16	0.32	0.68	1.45	3.09
Mn, ppm	90	160	280	490	850
Na_2O, %	0.43	0.71	1.17	1.93	3.19
Ni, ppm	0.36	1.6	6.8	30	130
Pb, ppm	9.7	18	35	67	130
Sc, ppm	0.7	2.1	6.1	18	52
SiO_2, %	53	60	68	76	86
Sr, ppm	85	150	270	480	860
TiO_2, %	0.097	0.14	0.21	0.31	0.45
V, ppm	18	35	68	130	260
Y, ppm	8.3	15	26	46	81
Yb, ppm	0.8	1.5	2.8	5.3	10
Zn, ppm	21	36	63	110	190
Zr, ppm	78	125	200	320	510

Figure 3–1. Aluminum oxide.

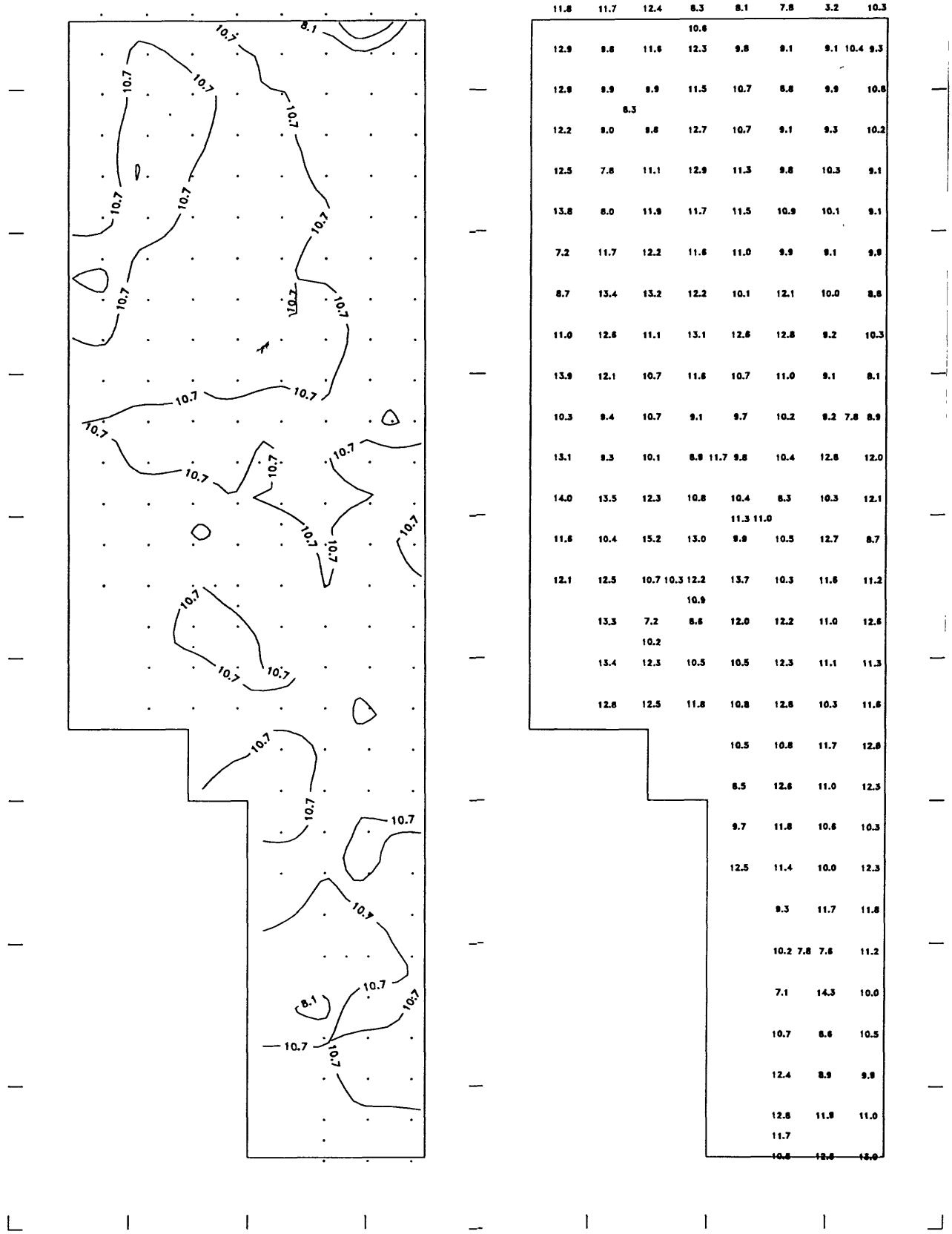
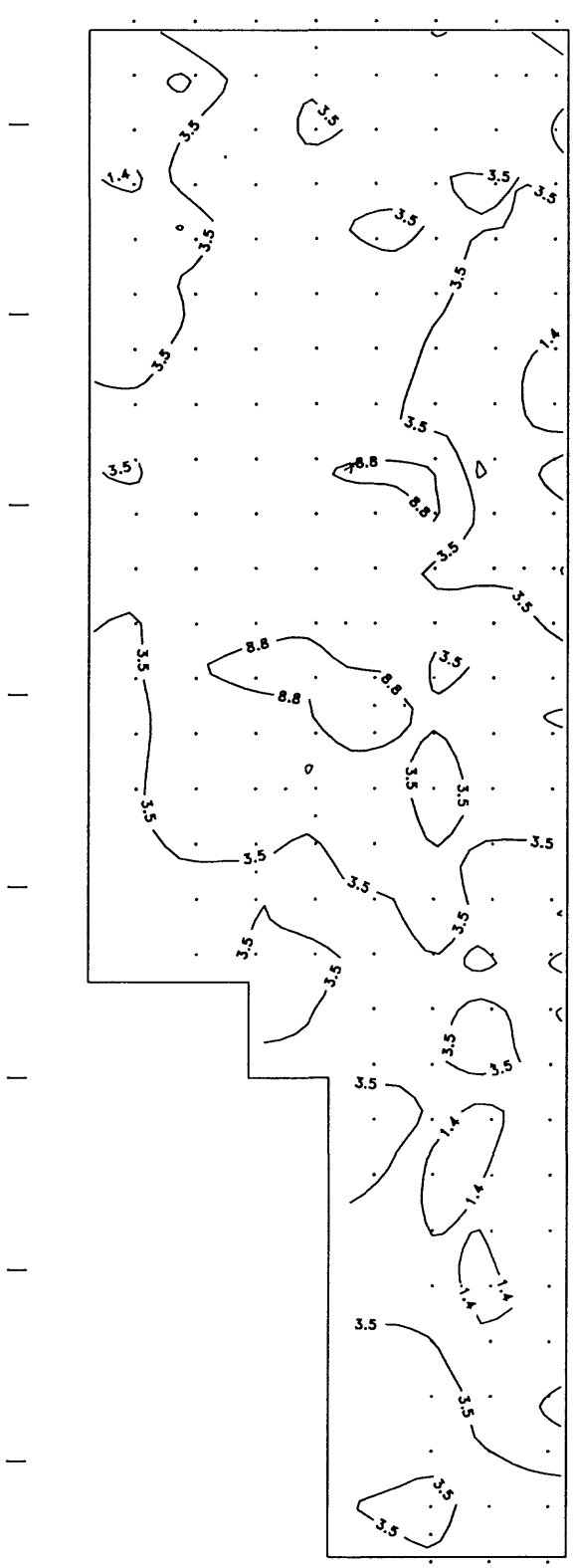


Figure 3–2. Arsenic.



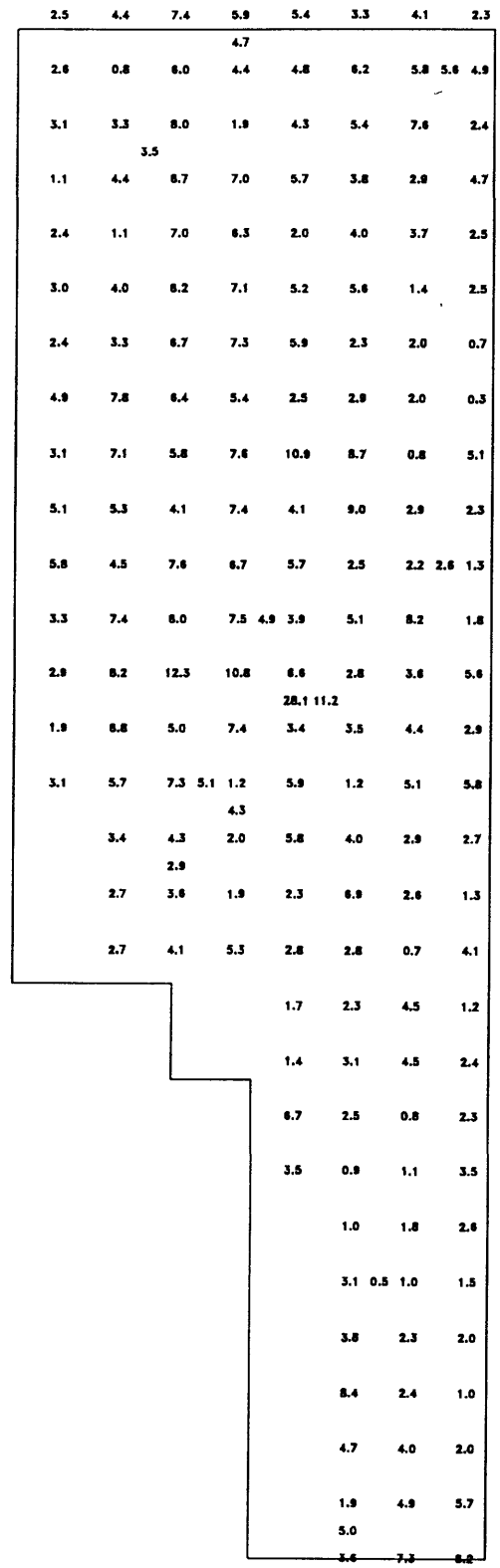
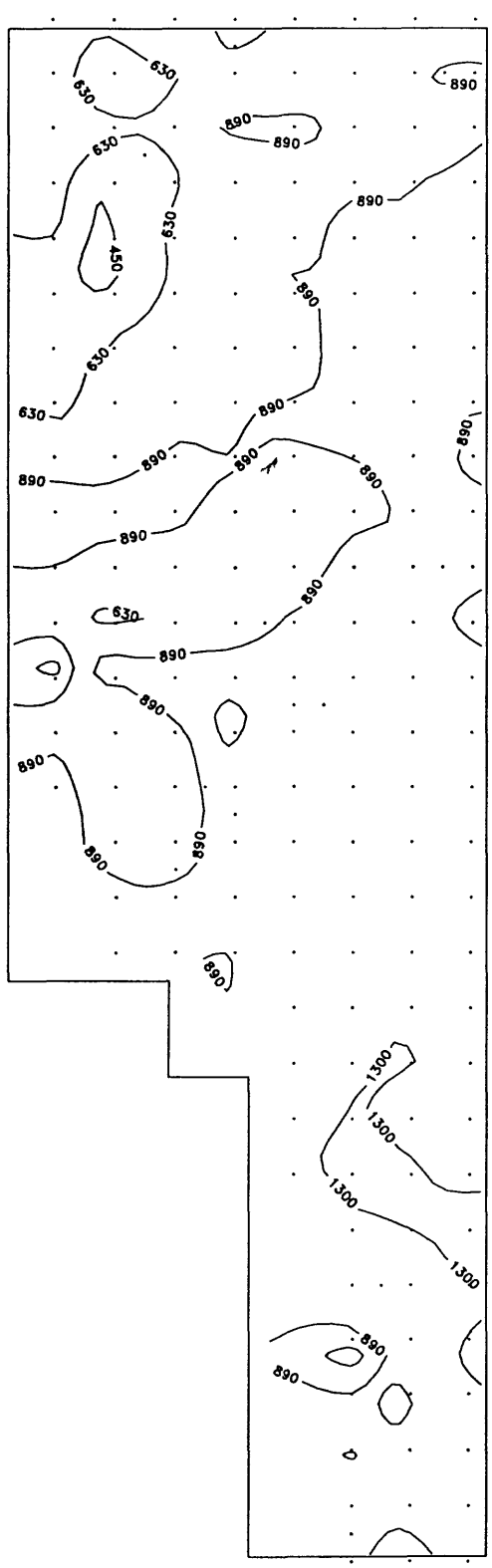


Figure 3–3. Barium.



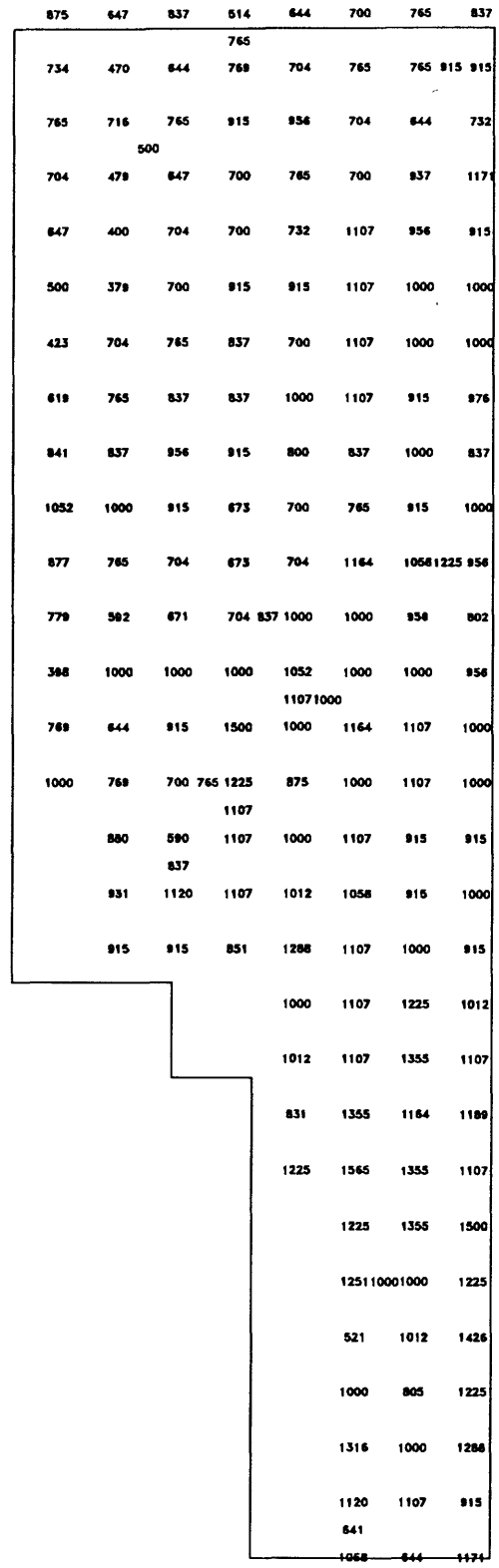


Figure 3–4. Beryllium.

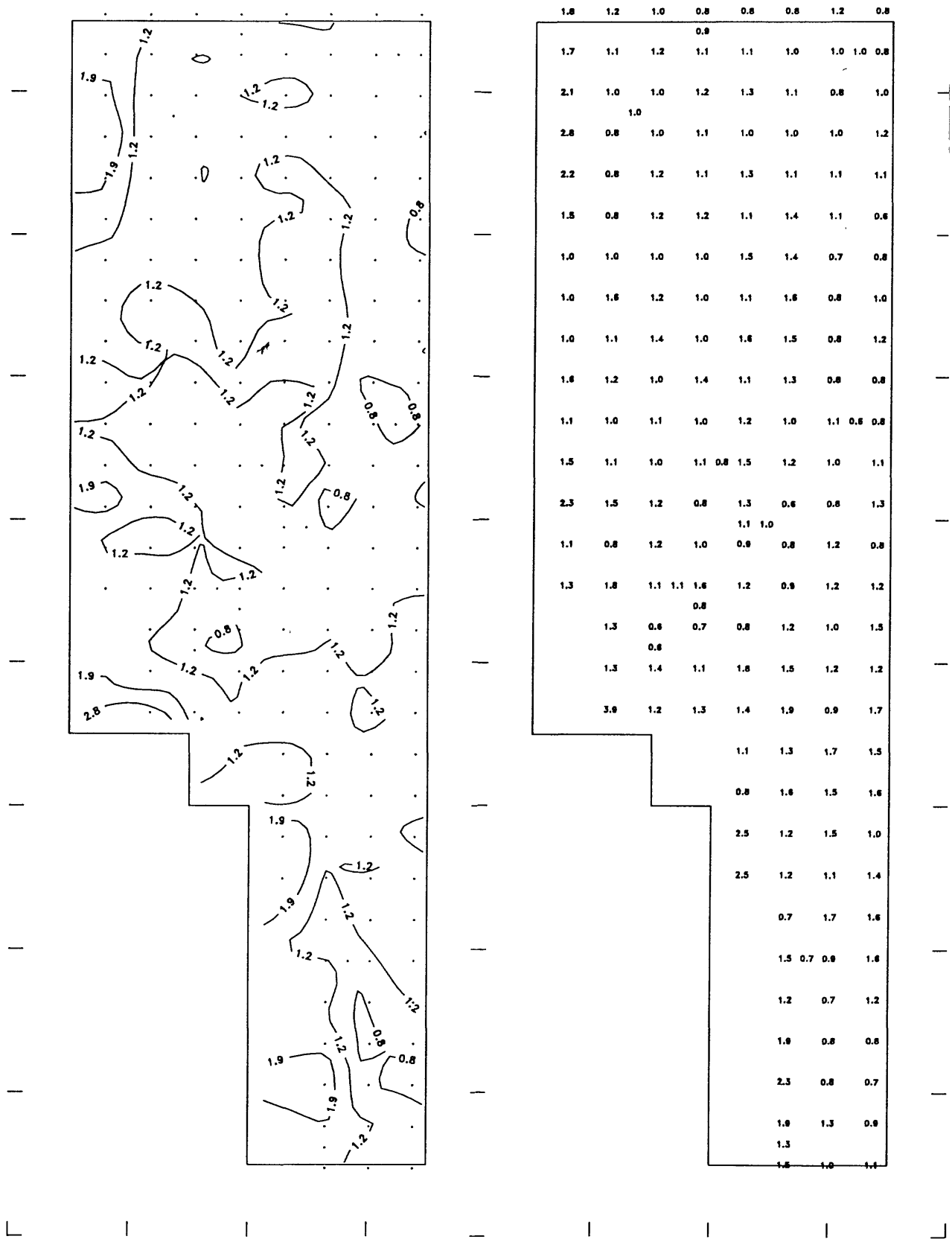
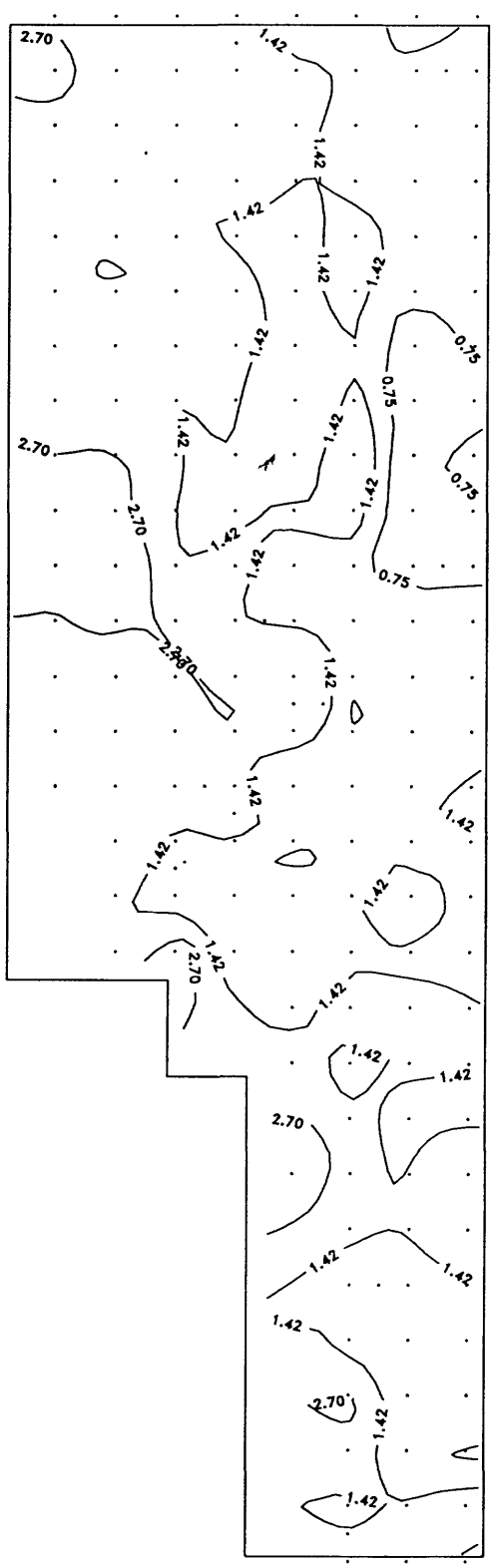


Figure 3-5. Total carbon.



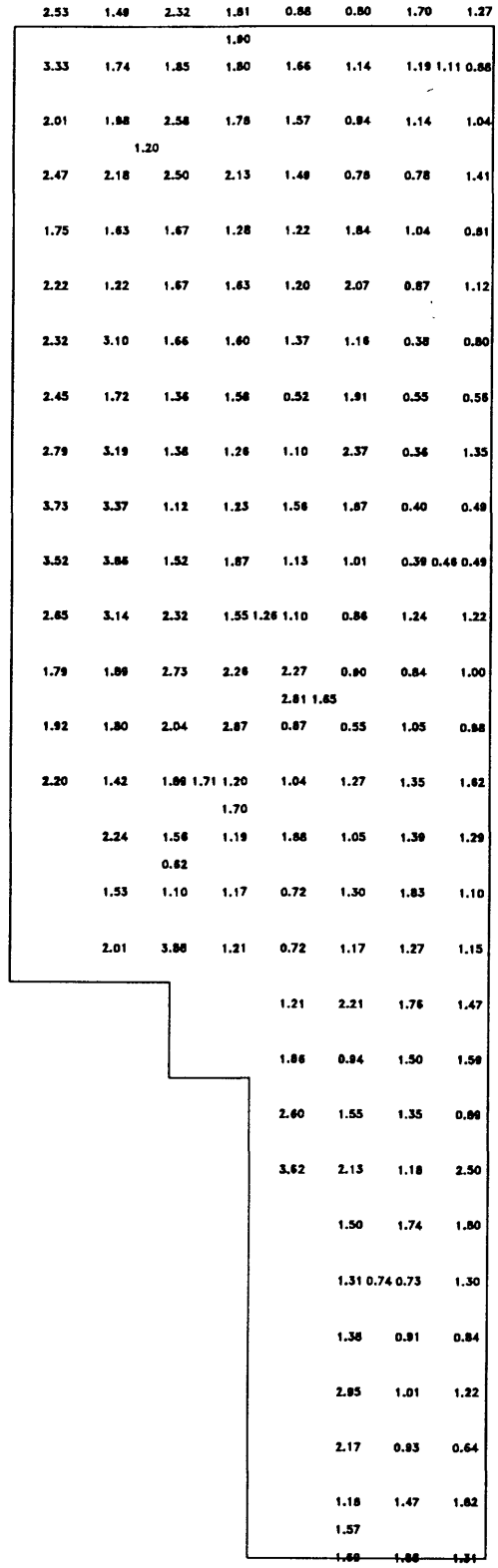
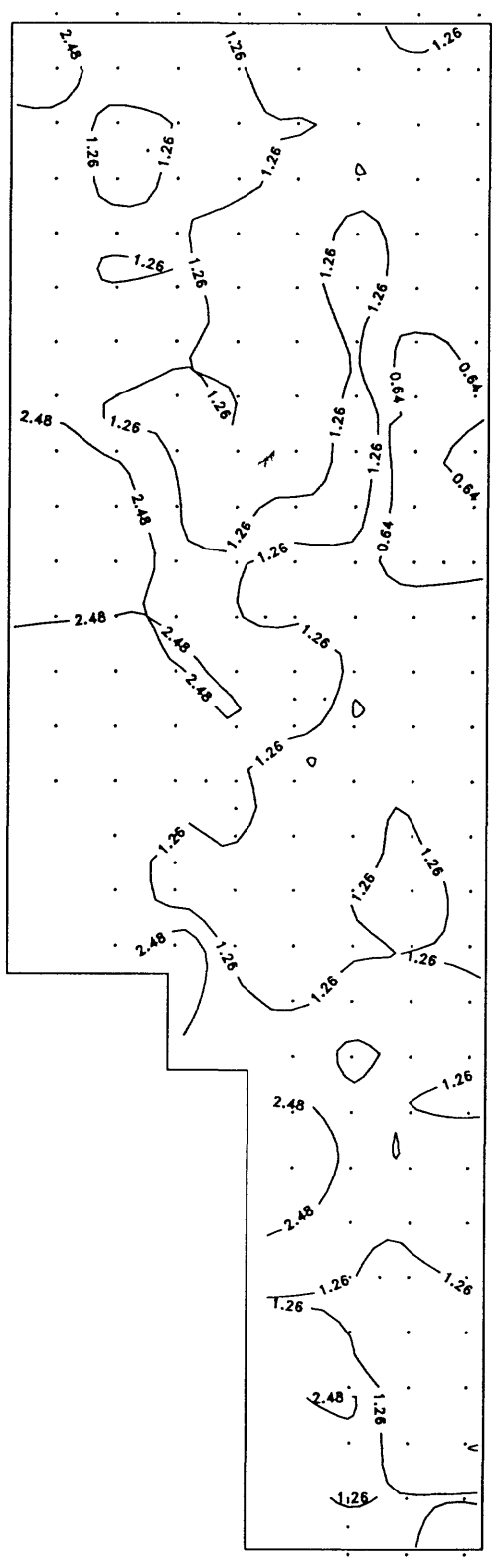
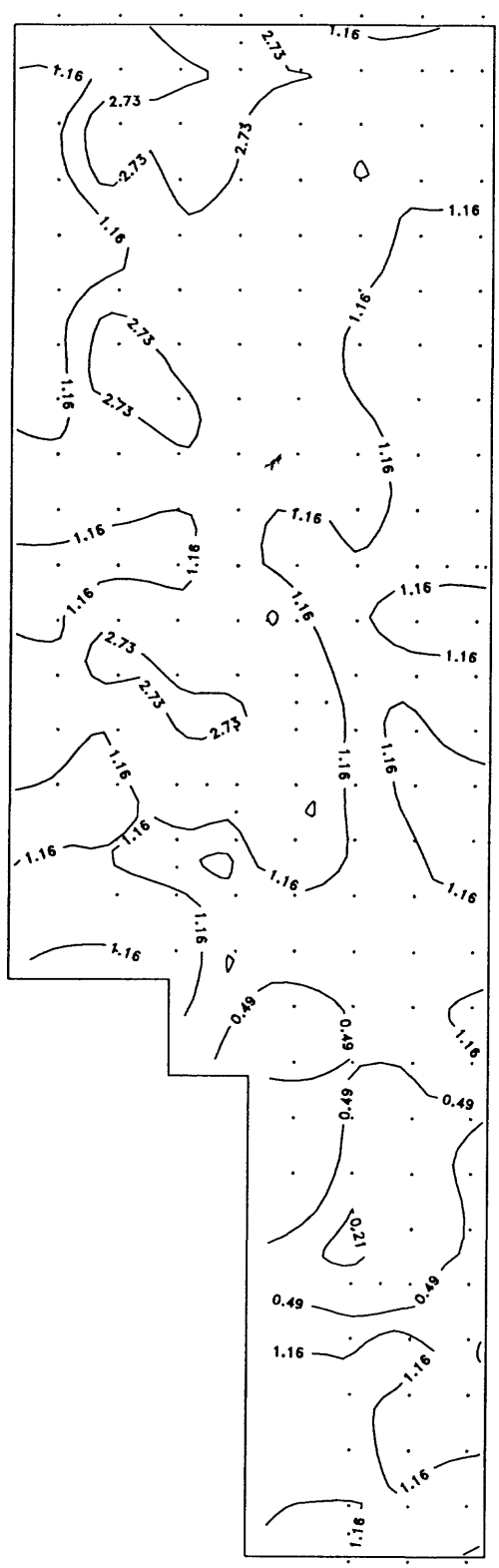


Figure 3–6. Organic carbon.



2.53	1.49	1.43	1.27	0.70	0.68	1.66	1.12
			1.05				
3.33	1.69	1.62	1.38	0.98	0.73	0.88 1.02	0.71
1.99	1.08	1.35	1.30	1.30	0.71	0.76	0.86
		0.97					
2.48	0.89	1.66	1.74	1.10	0.62	0.72	1.11
1.75	1.58	1.24	0.97	0.86	1.48	1.04	0.80
2.13	1.05	1.29	1.15	1.08	1.96	0.99	1.07
2.32	1.80	1.45	1.14	0.98	1.15	0.36	0.80
2.43	0.83	0.77	1.37	0.52	1.80	0.57	0.54
2.77	2.87	0.86	0.98	0.77	1.93	0.32	1.24
3.86	3.31	1.10	0.99	1.55	1.52	0.38	0.48
3.53	3.83	1.42	1.36	1.09	1.00	0.36 0.39	0.46
2.65	2.56	2.31	1.39	0.55 1.02	0.84	1.04	1.04
1.81	1.86	2.63	2.17	2.24	0.90	0.83	0.96
				2.66 1.64			
1.84	1.76	1.87	2.70	0.75	0.44	0.92	0.96
2.18	1.42	1.36 1.66	1.17	0.43	1.28	1.24	1.24
			1.62				
	2.21	1.54	1.16	1.36	1.04	1.34	0.98
		0.60					
	1.53	1.07	1.18	0.73	1.30	1.74	0.91
	2.03	3.88	1.16	0.61	1.13	1.26	1.06
				1.21	2.22	1.76	1.47
				1.86	0.86	1.50	1.47
				2.57	1.54	1.31	0.64
				3.62	2.10	1.17	2.51
					1.51	1.72	1.95
					1.28	0.73 0.71	1.30
					1.25	0.84	0.79
					2.70	0.83	1.20
					2.15	0.99	0.60
					1.16	1.32	1.32
					1.58		
					1.65	1.40	0.86

Figure 3–7. Calcium oxide..



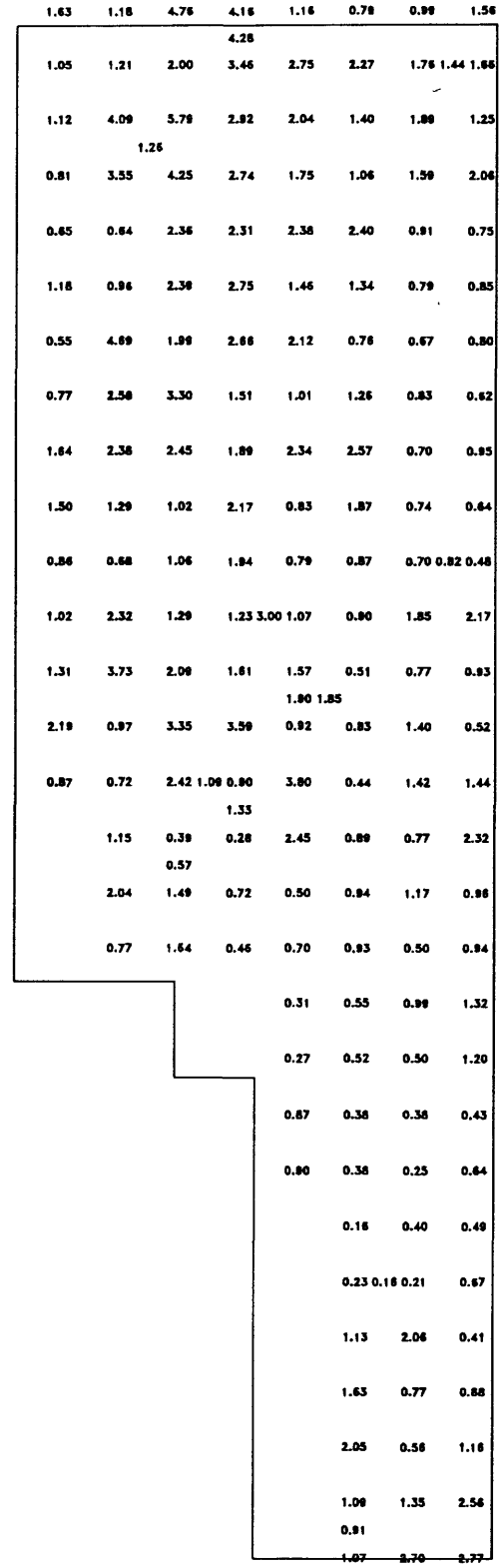
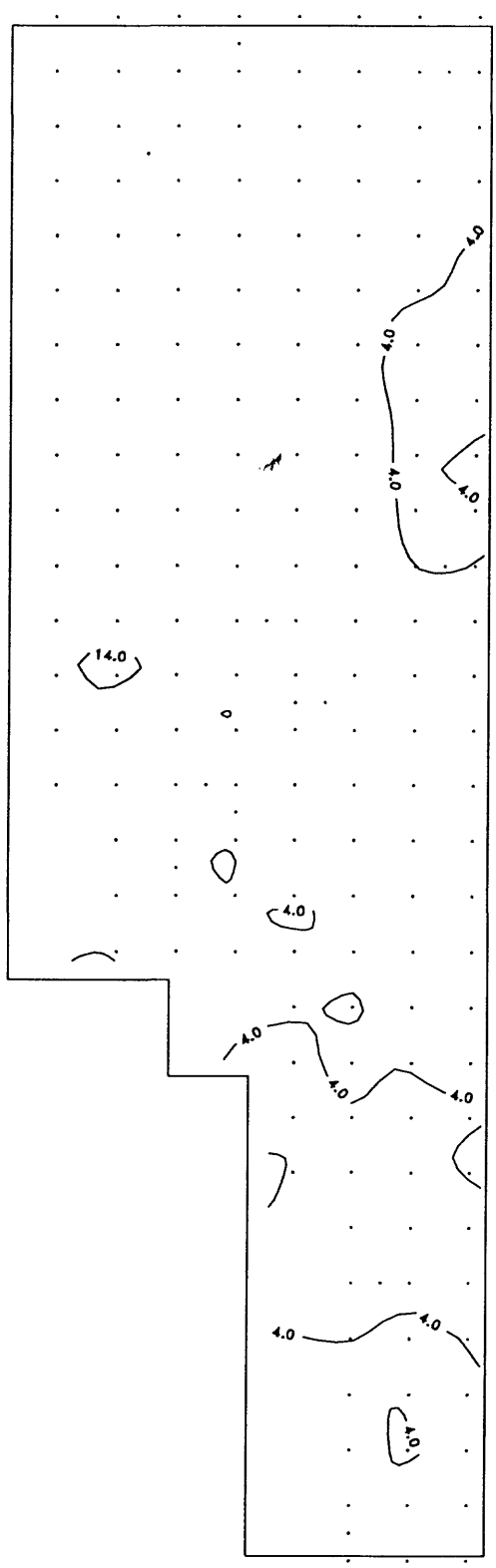


Figure 3–8. Cobalt.



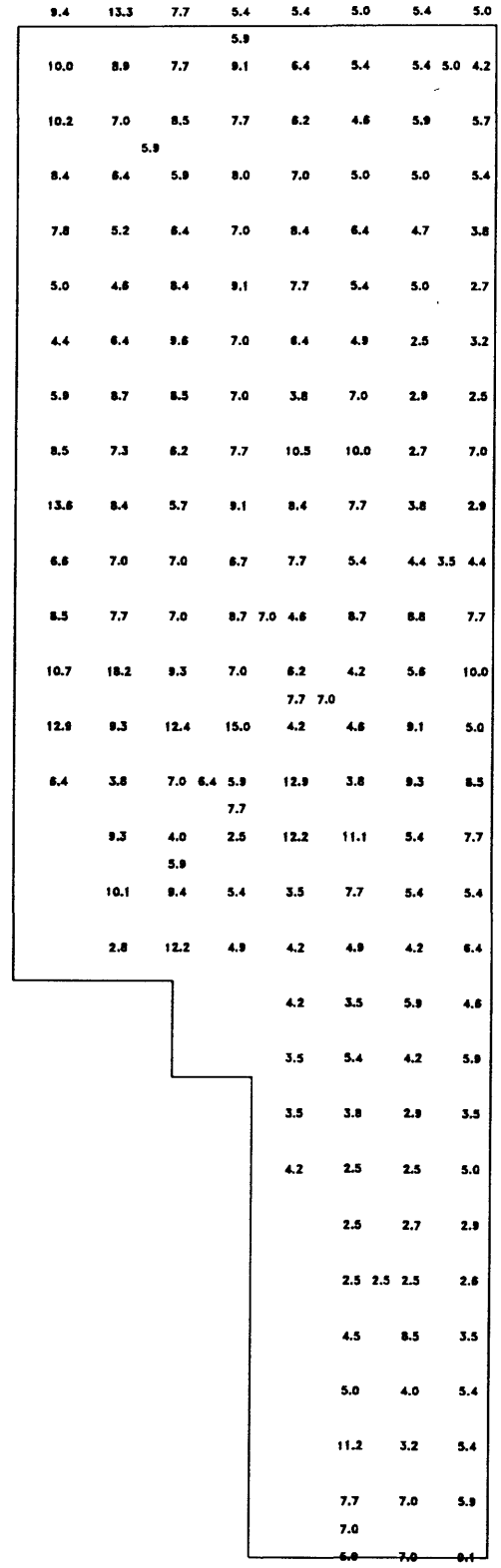


Figure 3-9. Chromium.

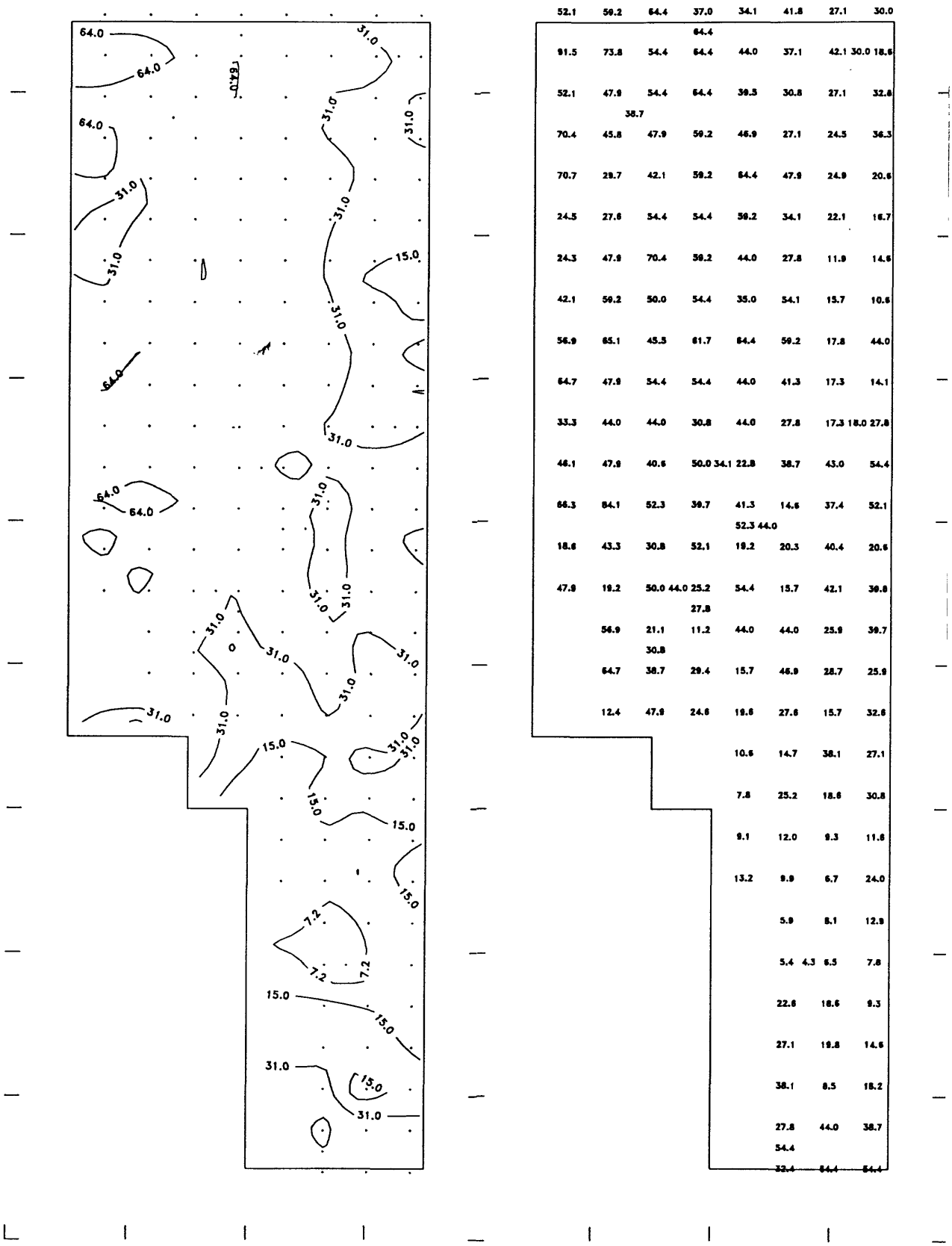
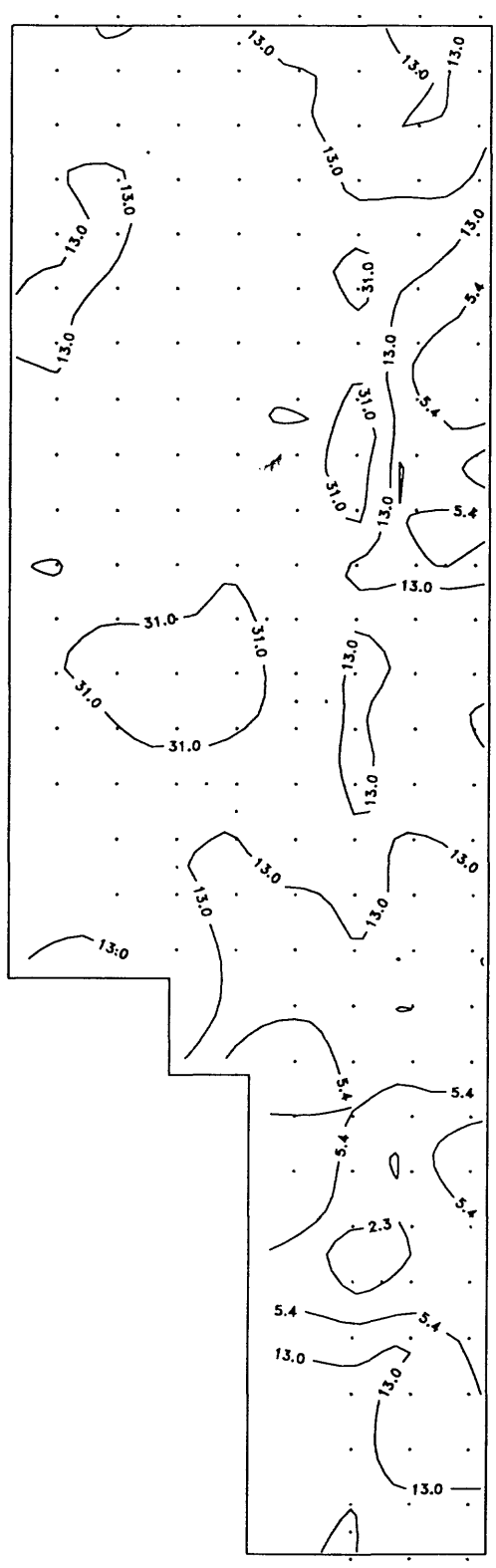


Figure 3-10. Copper.



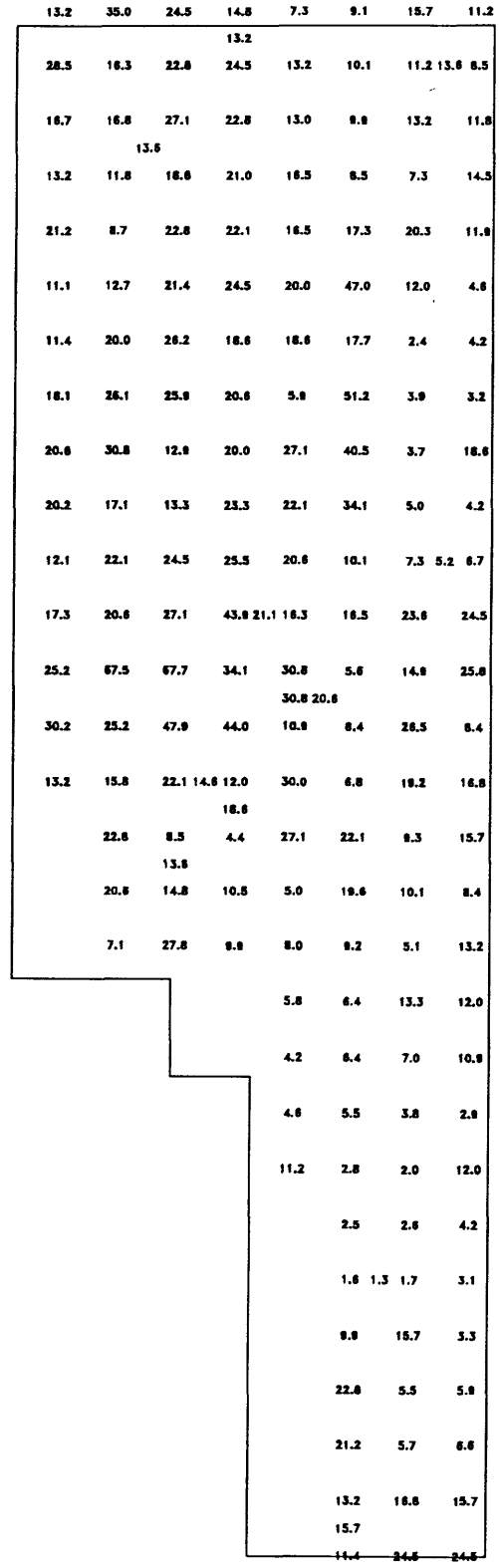
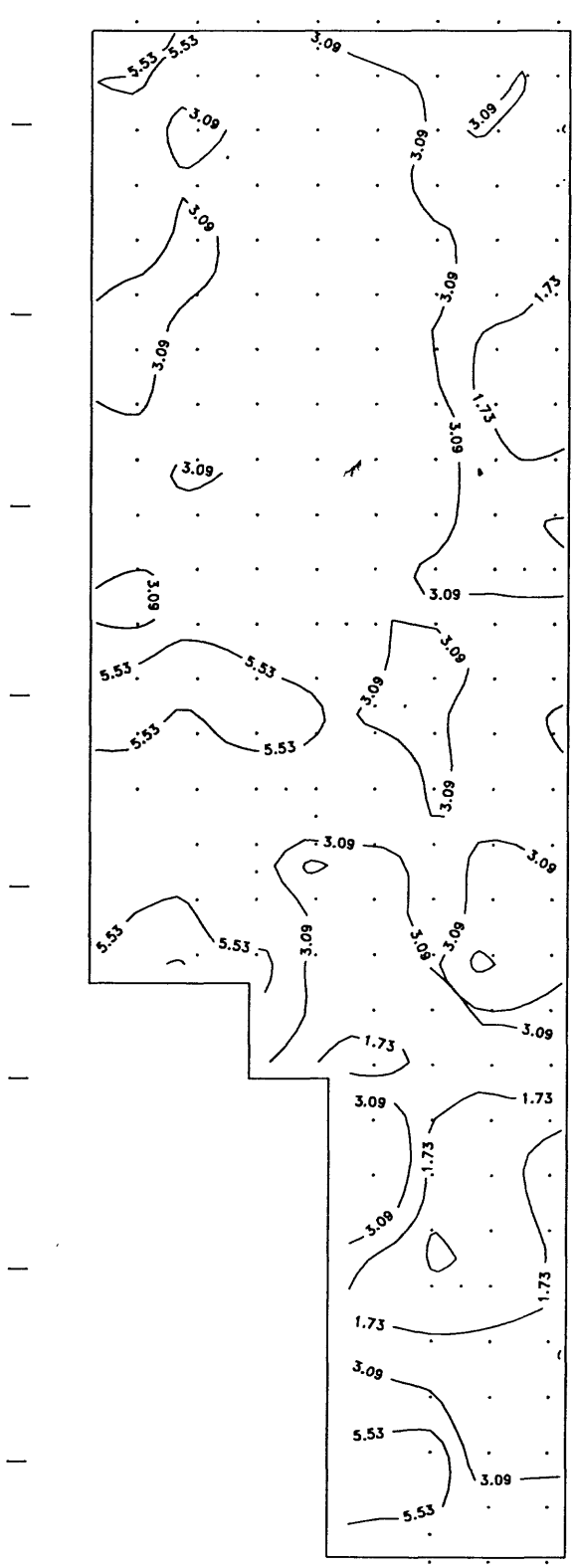


Figure 3–11. Iron oxide.



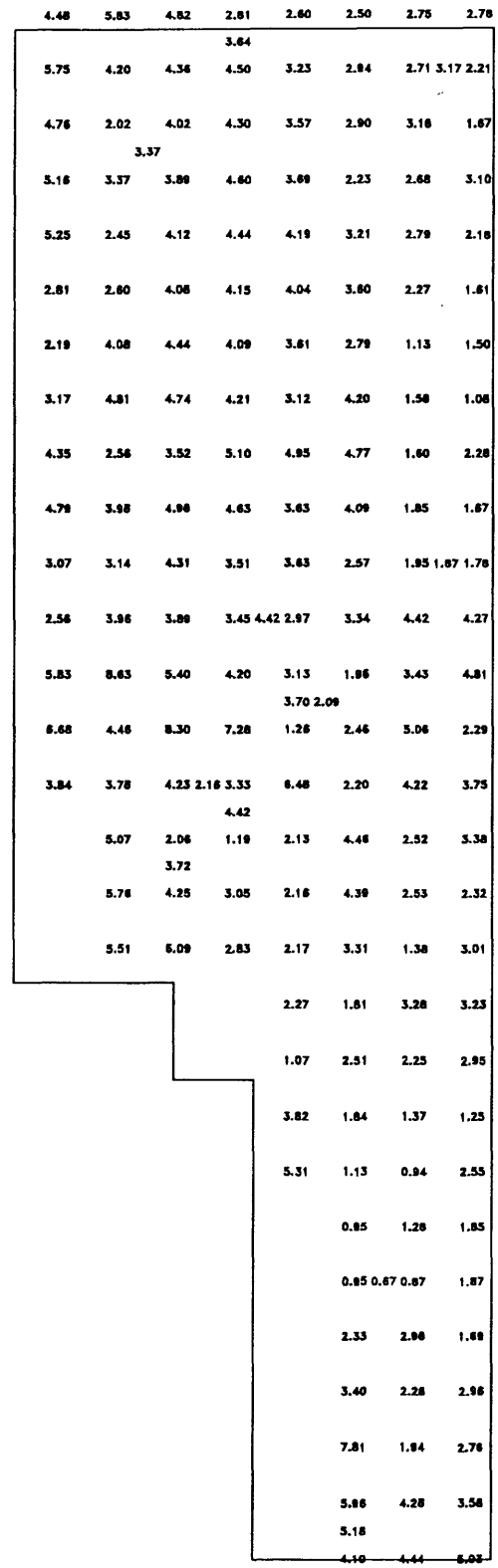
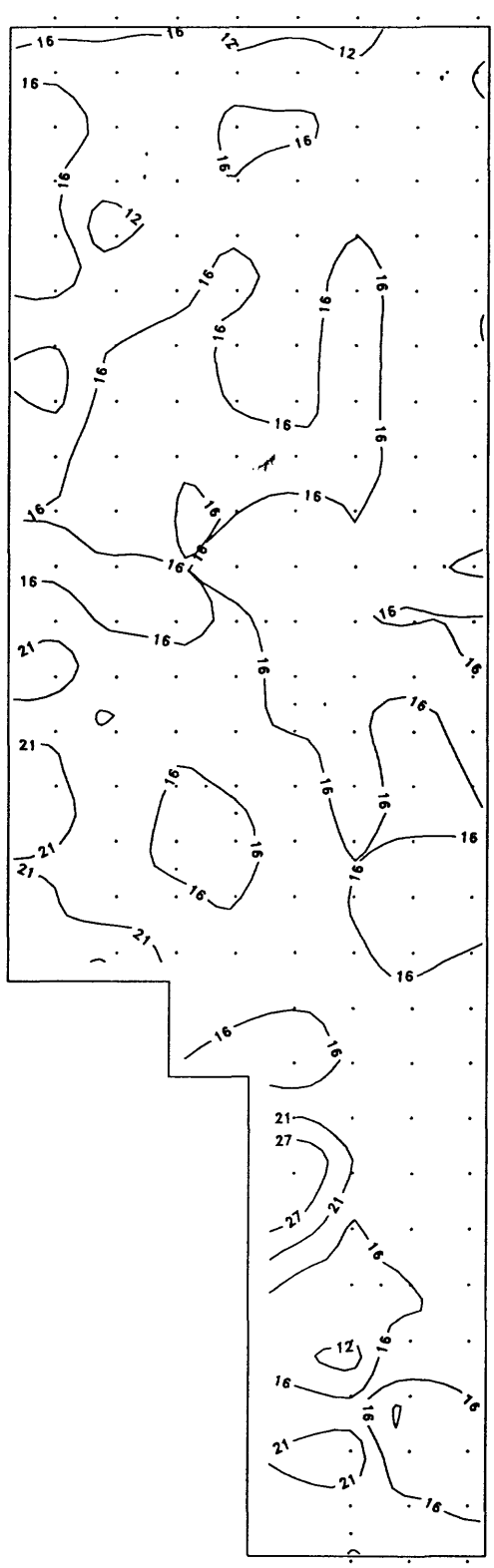


Figure 3–12. Gallium.



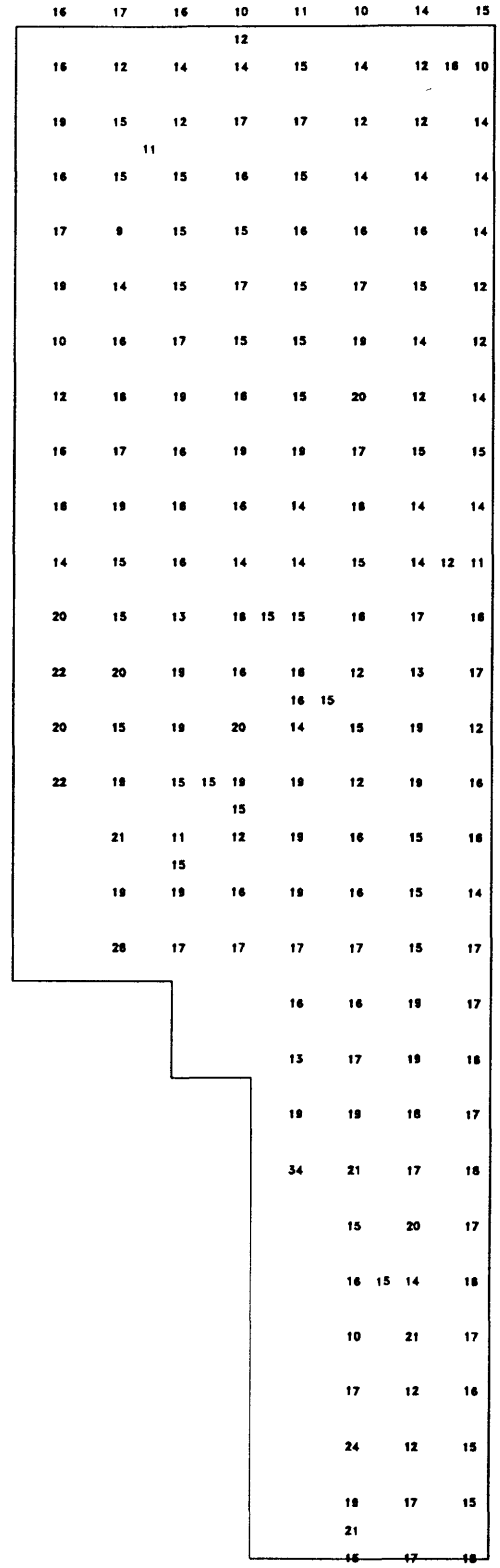


Figure 3-13. Mercury.

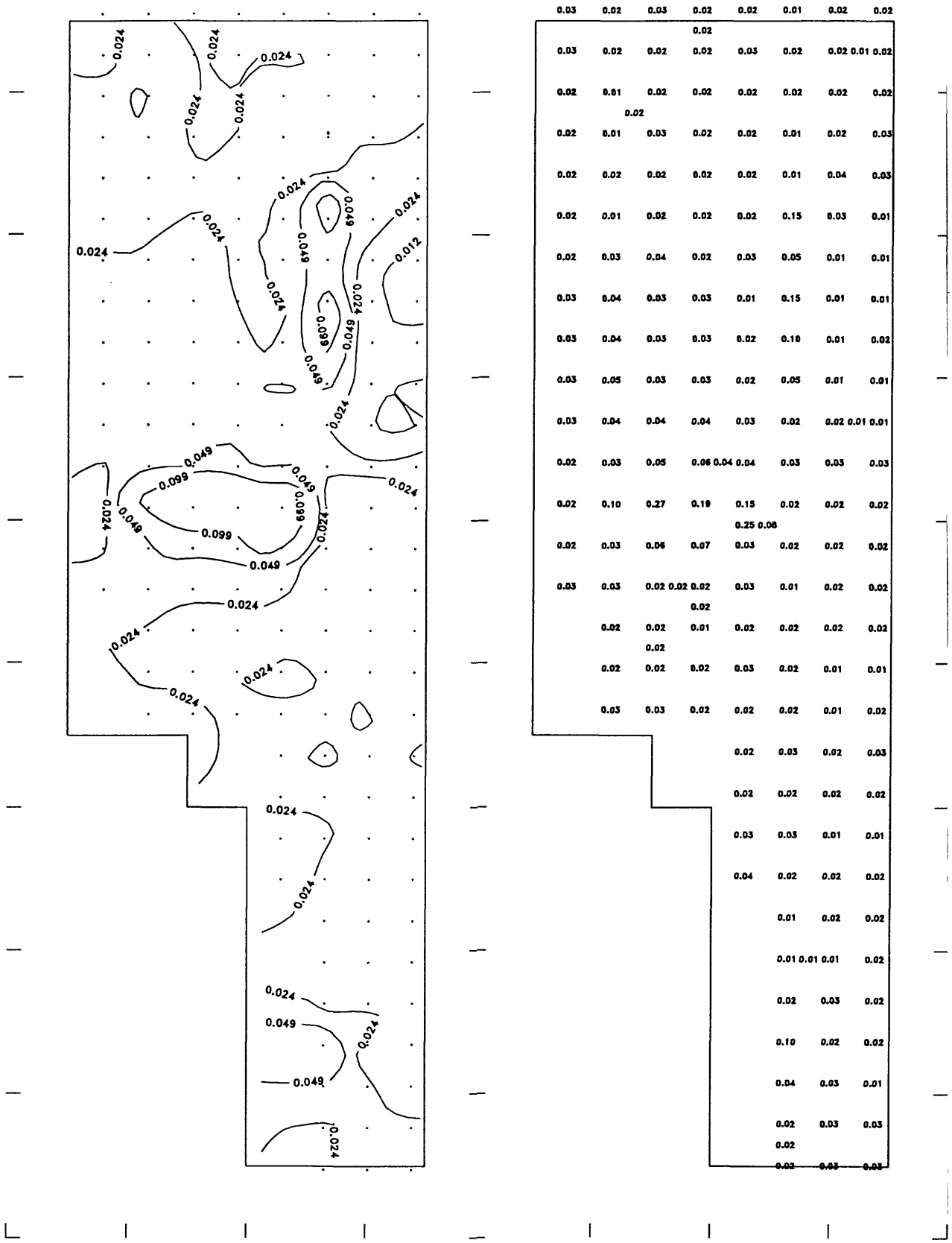


Figure 3–14. Potassium oxide.

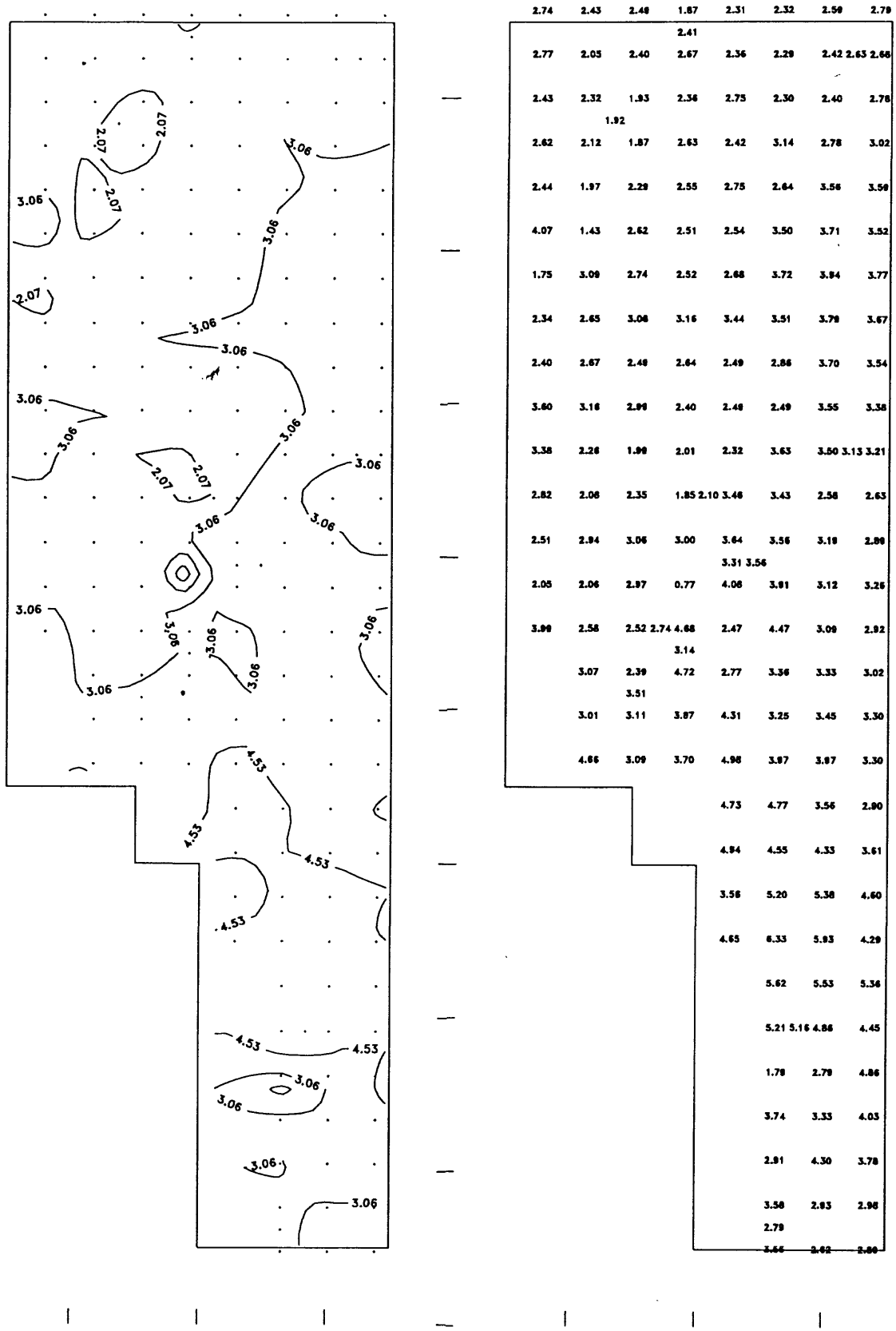


Figure 3–15. Lanthanum.

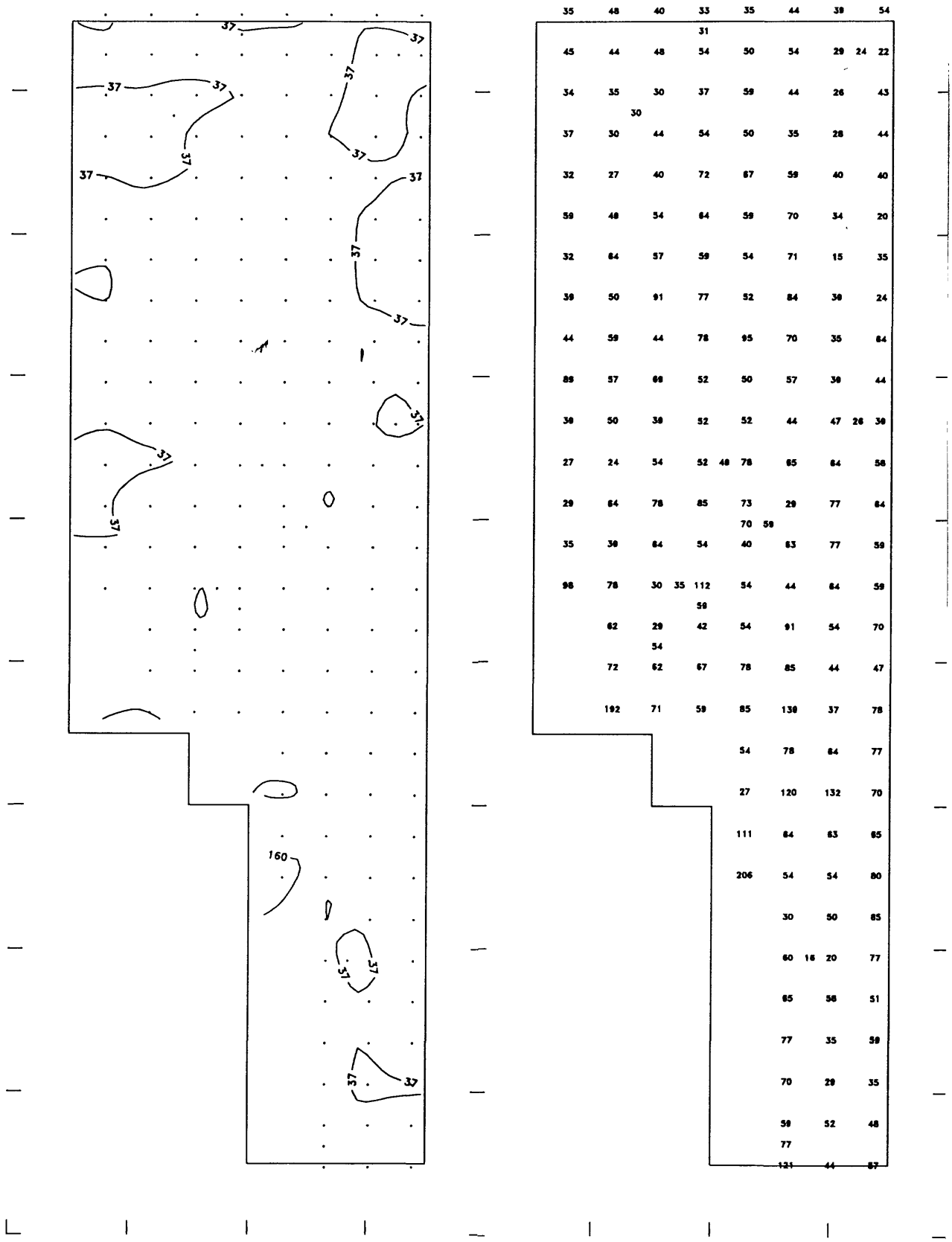


Figure 3–16. Lithium.

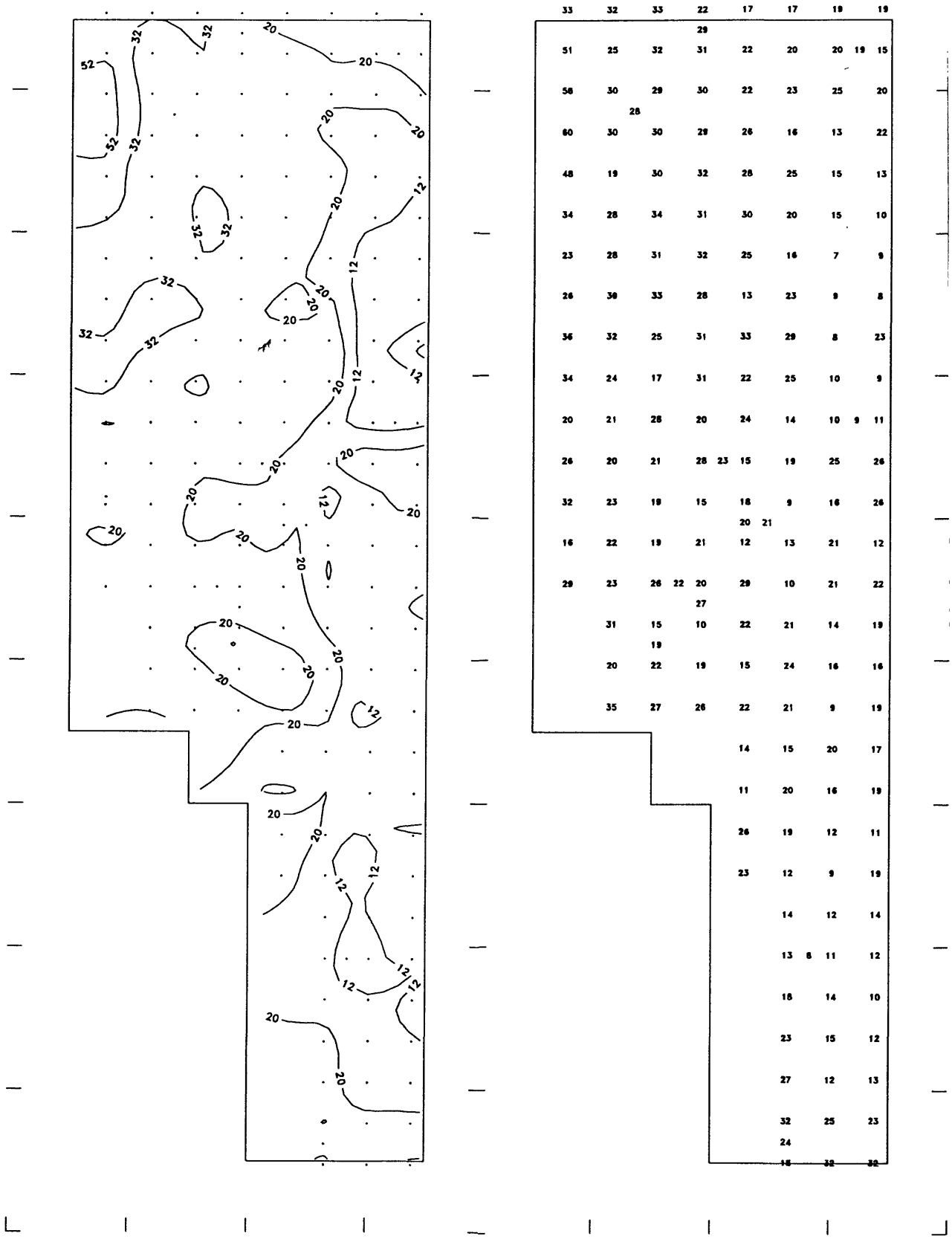


Figure 3–17. Magnesium oxide.

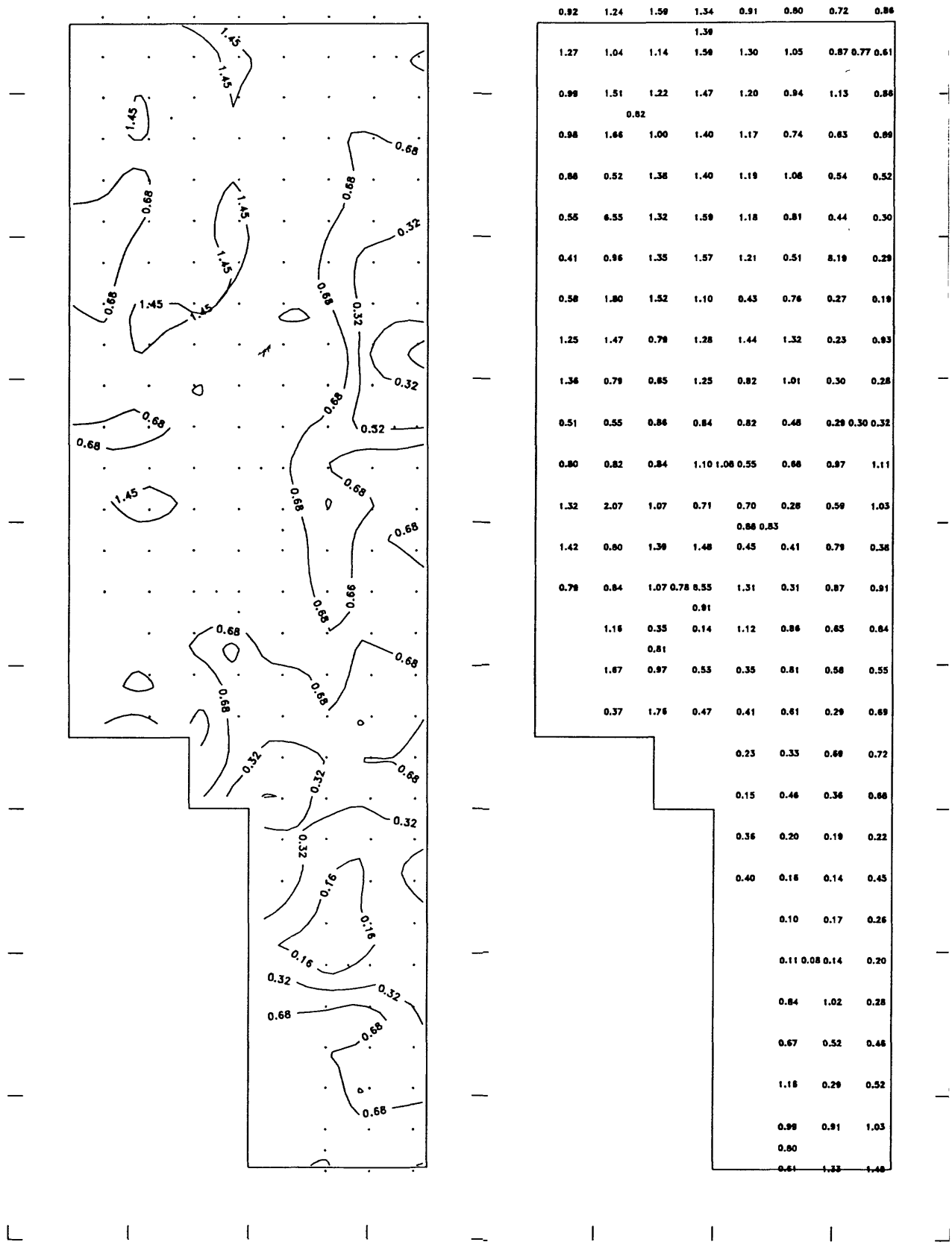


Figure 3–18. Manganese.

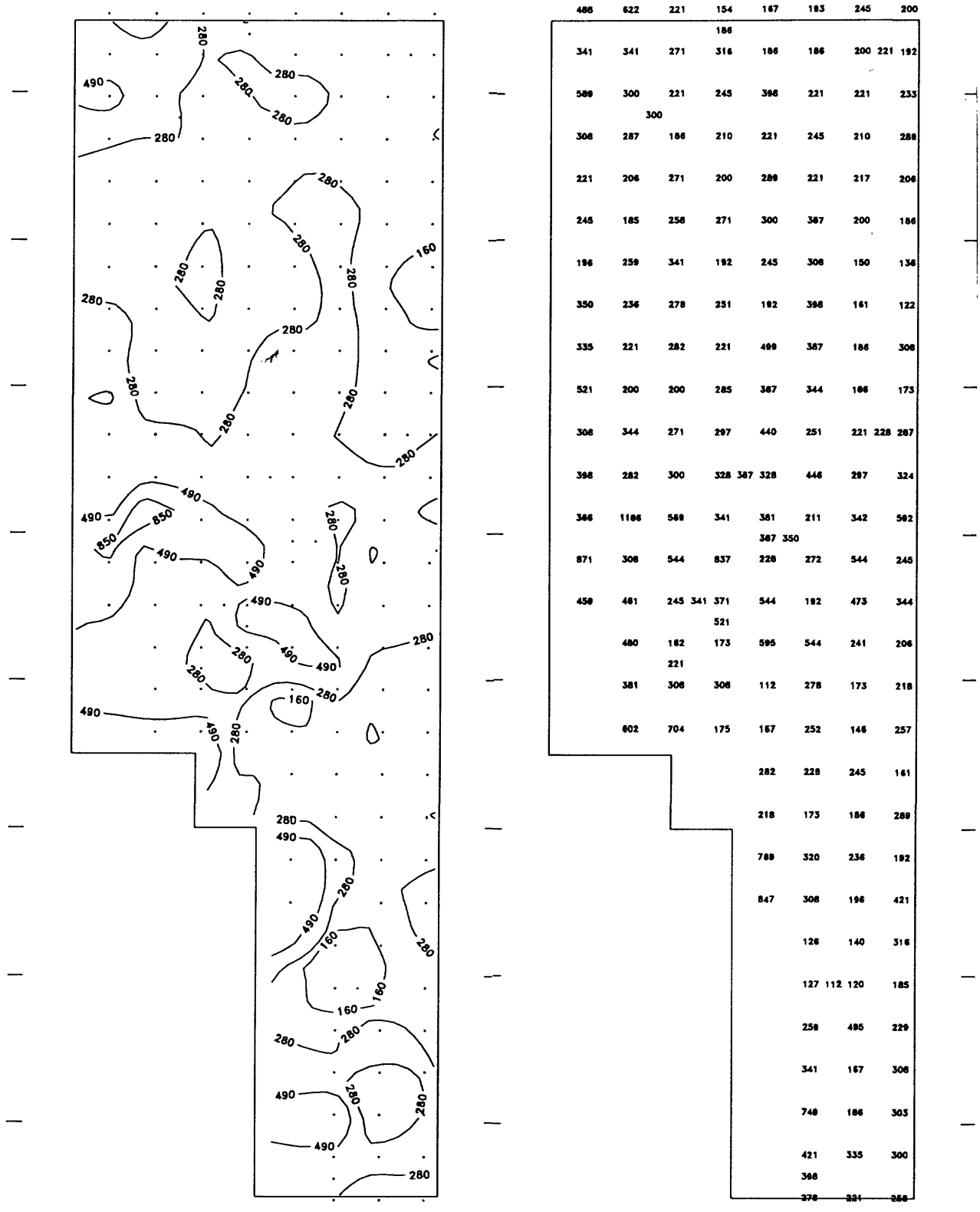


Figure 3–19. Sodium oxide.

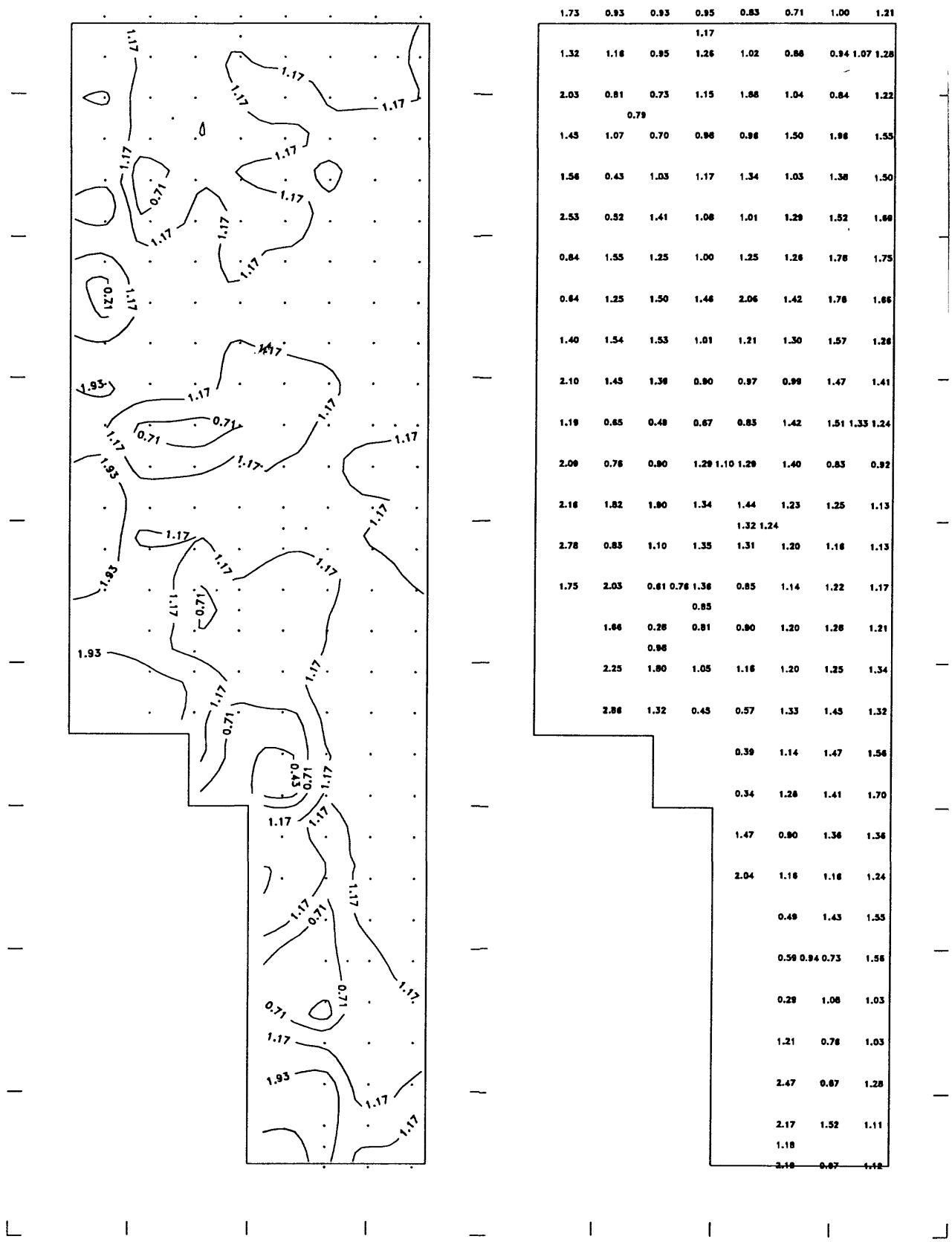


Figure 3–20. Nickel.

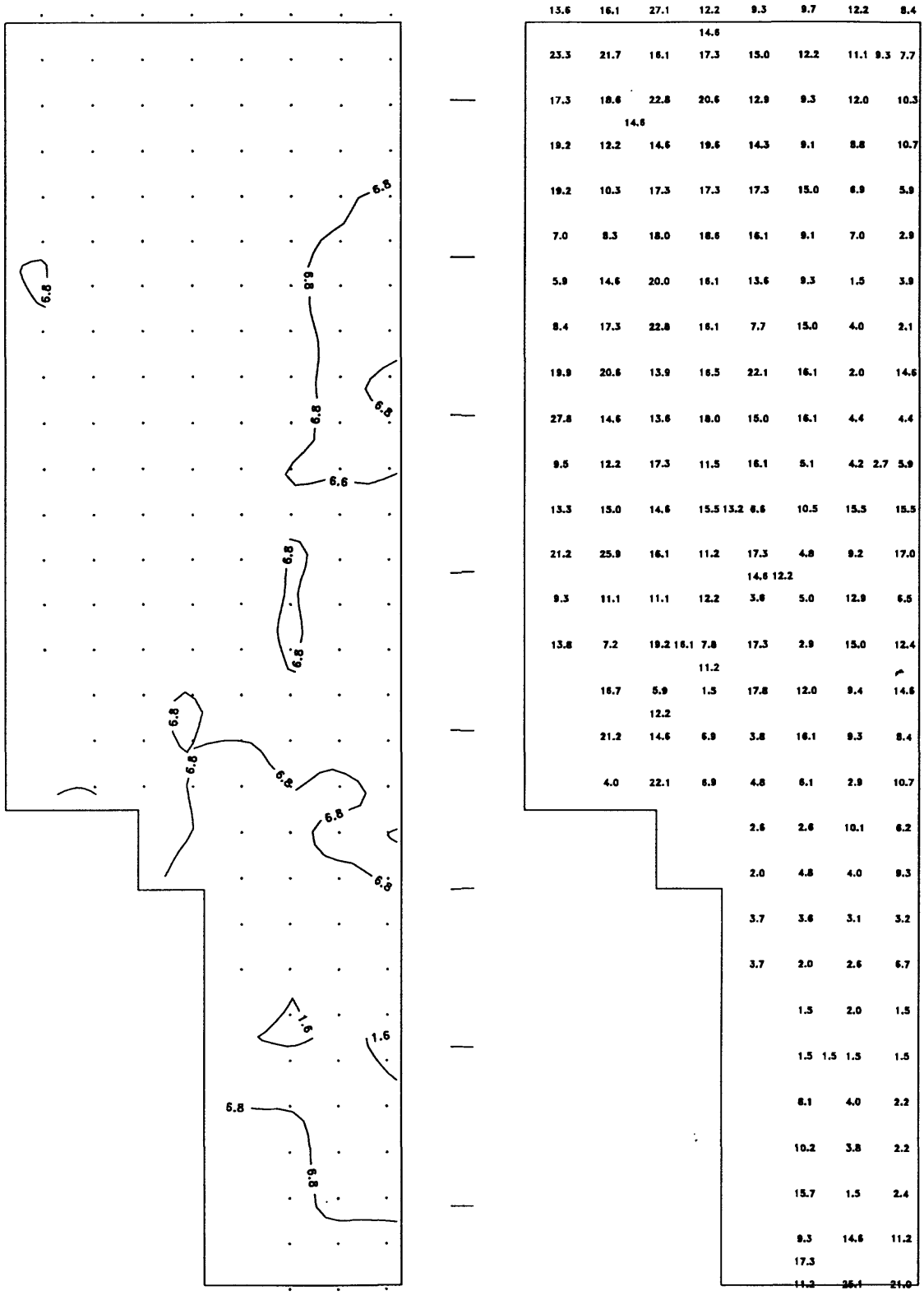
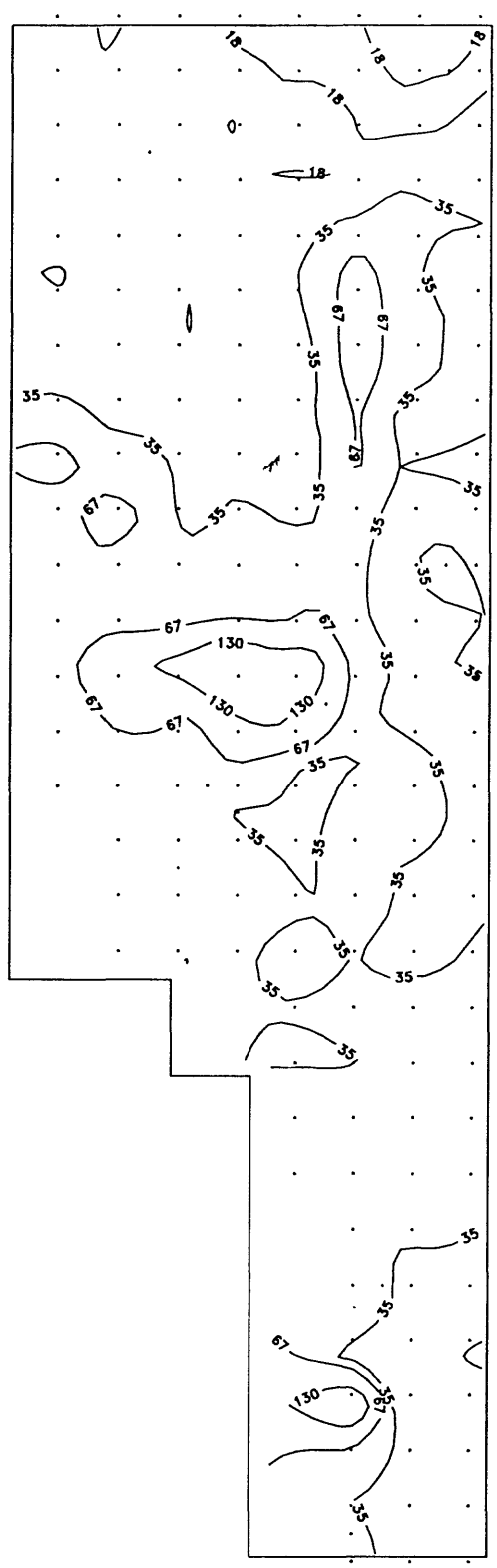


Figure 3–21. Lead.



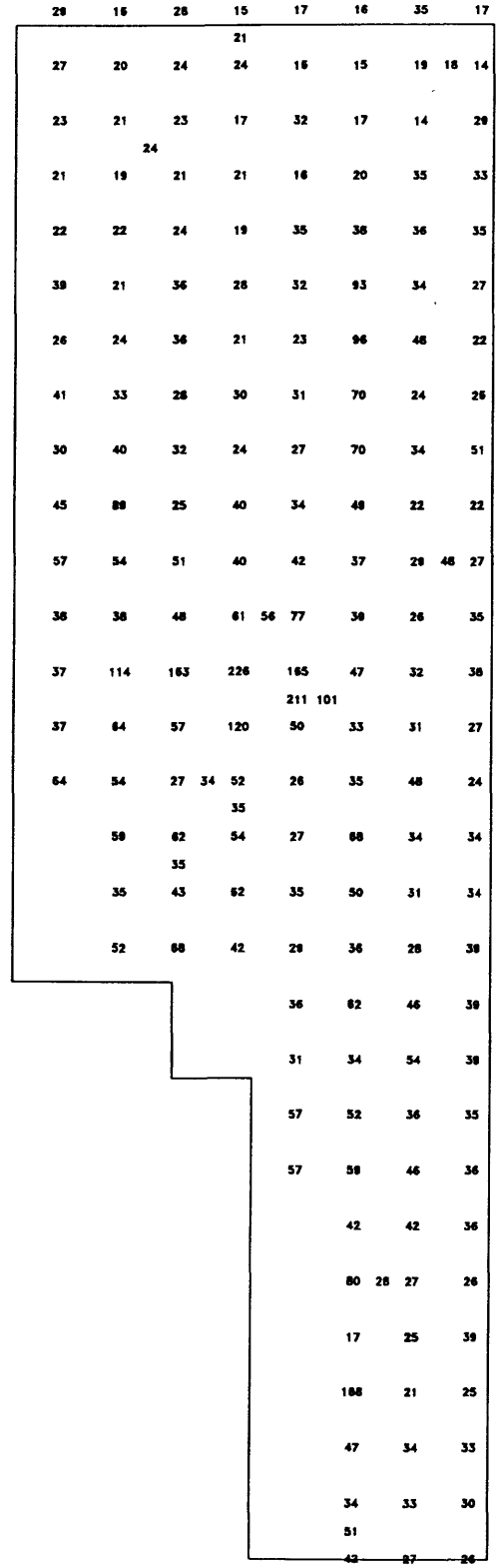


Figure 3-22. Scandium.

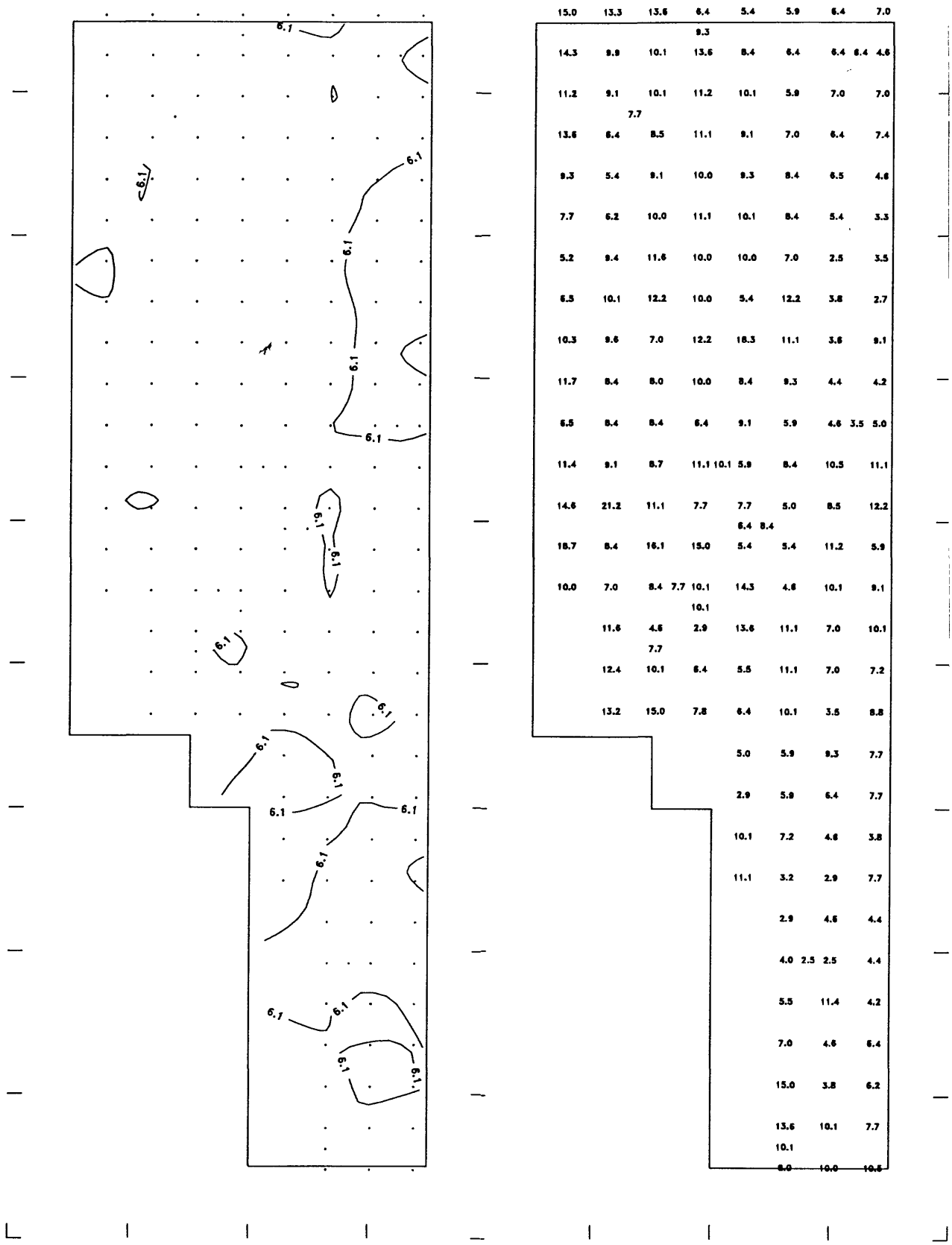


Figure 3-23. Silicon oxide.

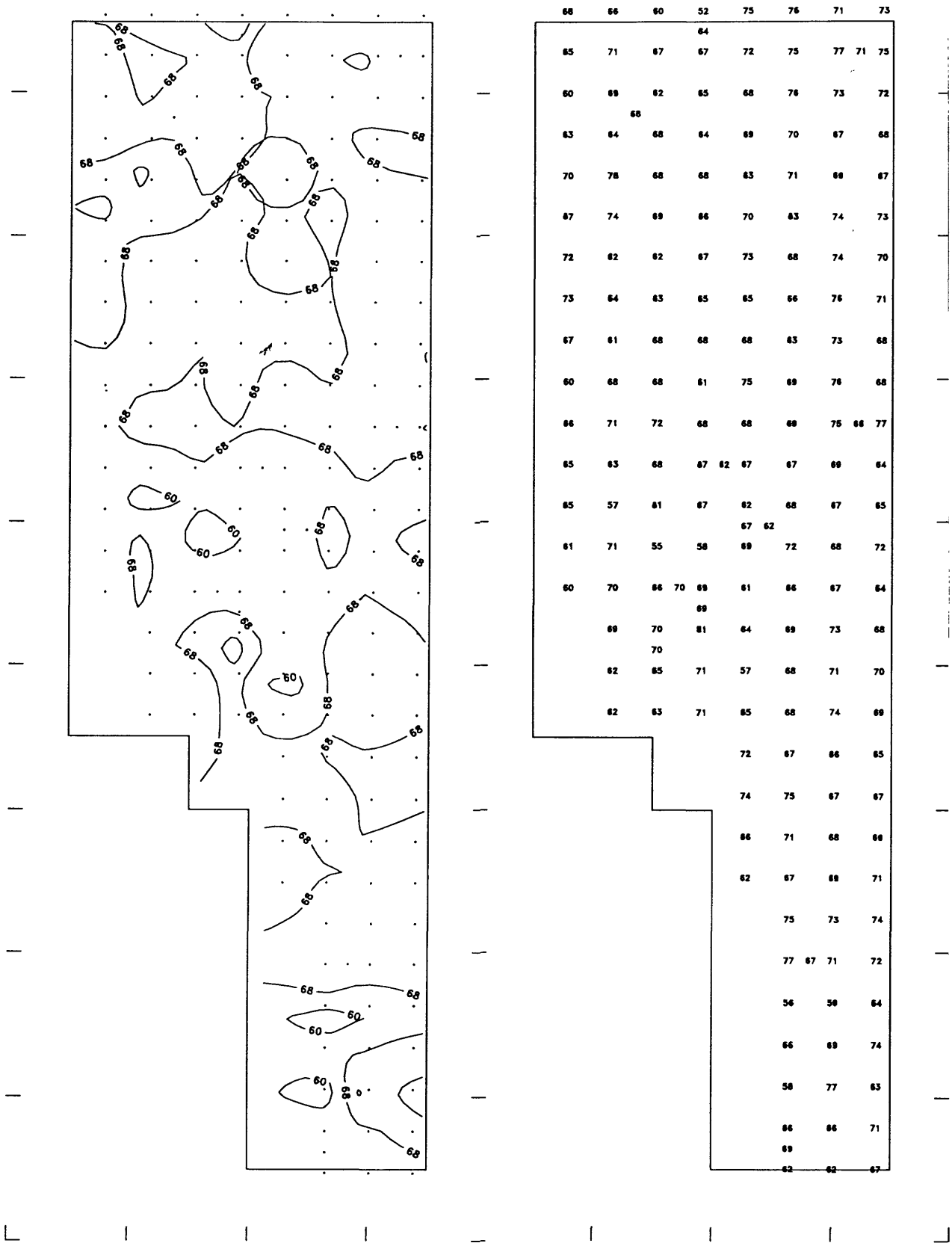


Figure 3-24. Strontium.

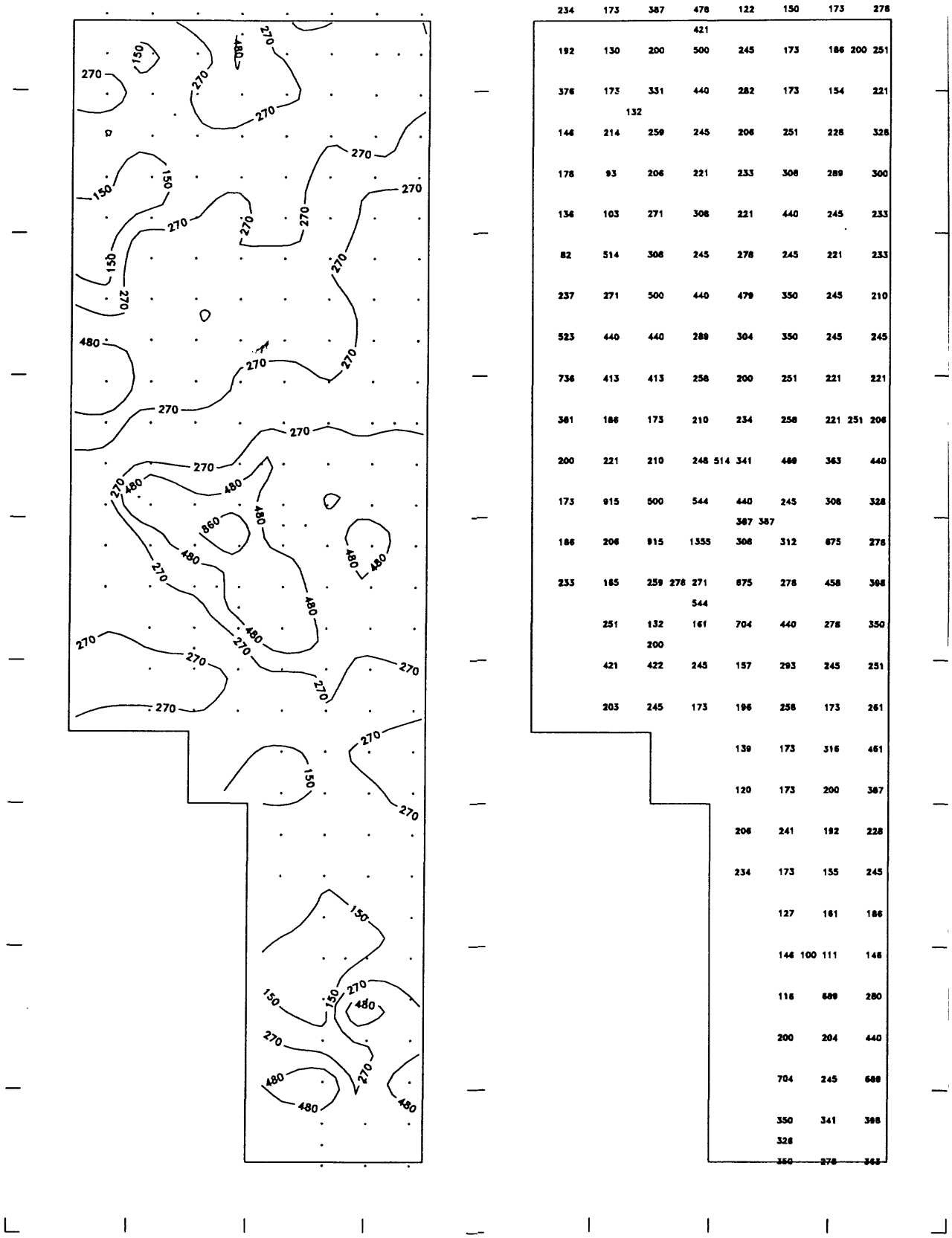
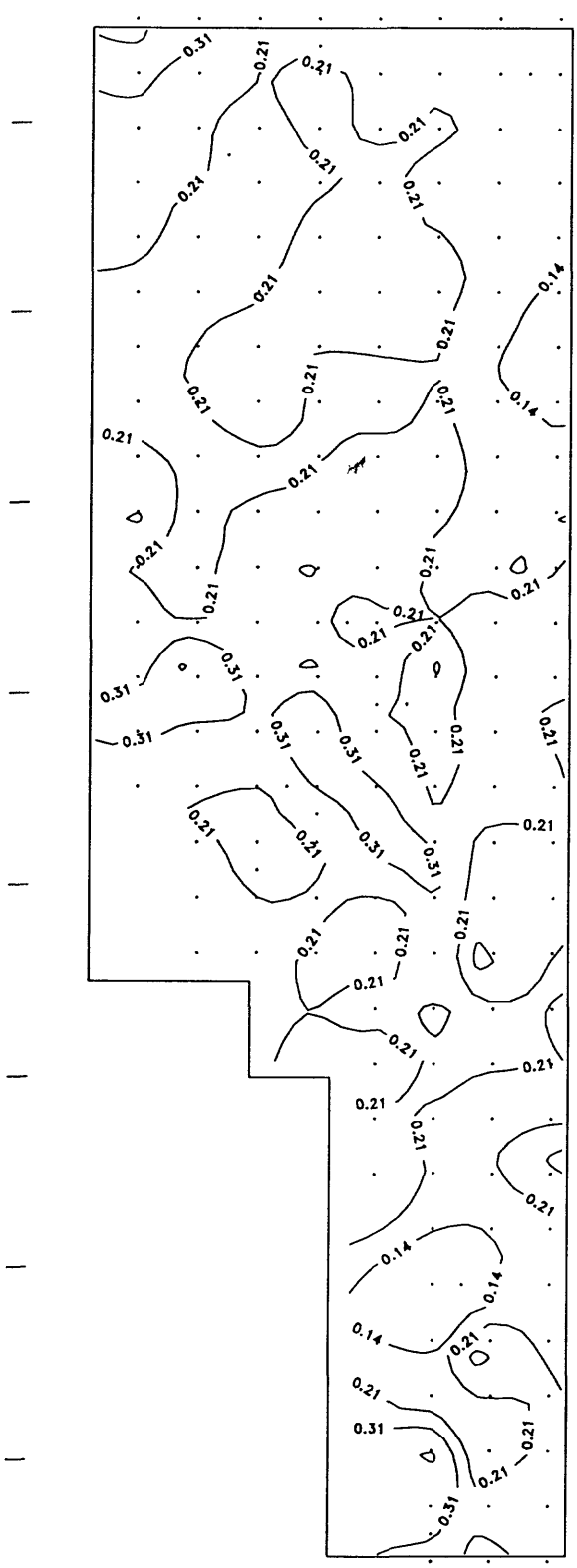


Figure 3–25. Titanium.



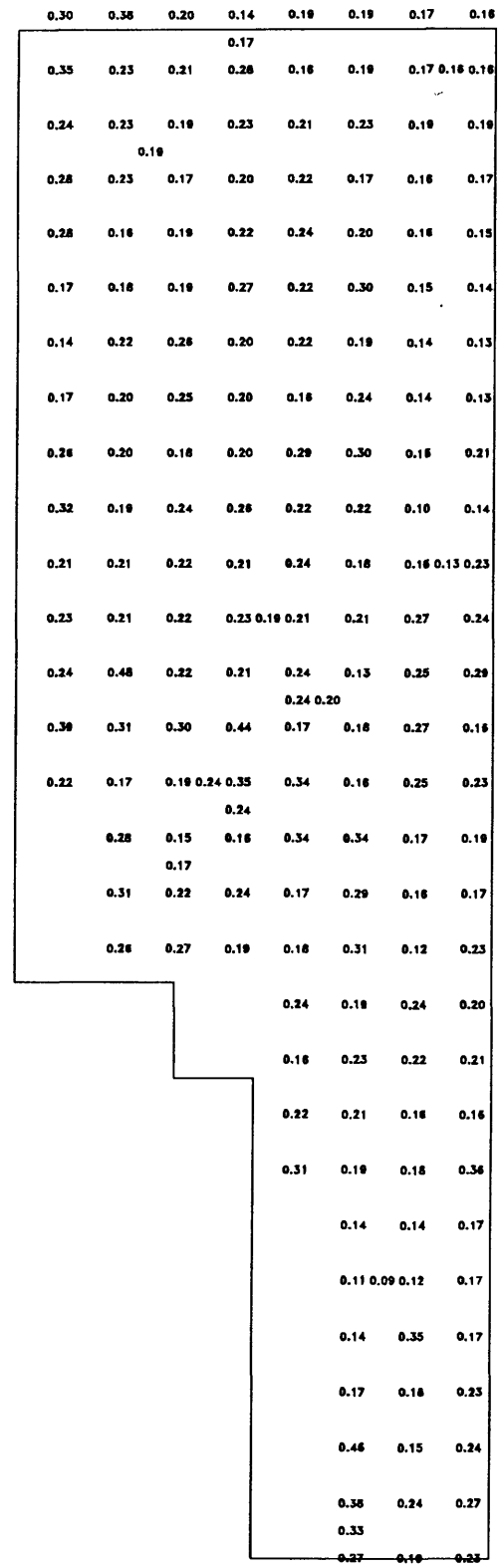
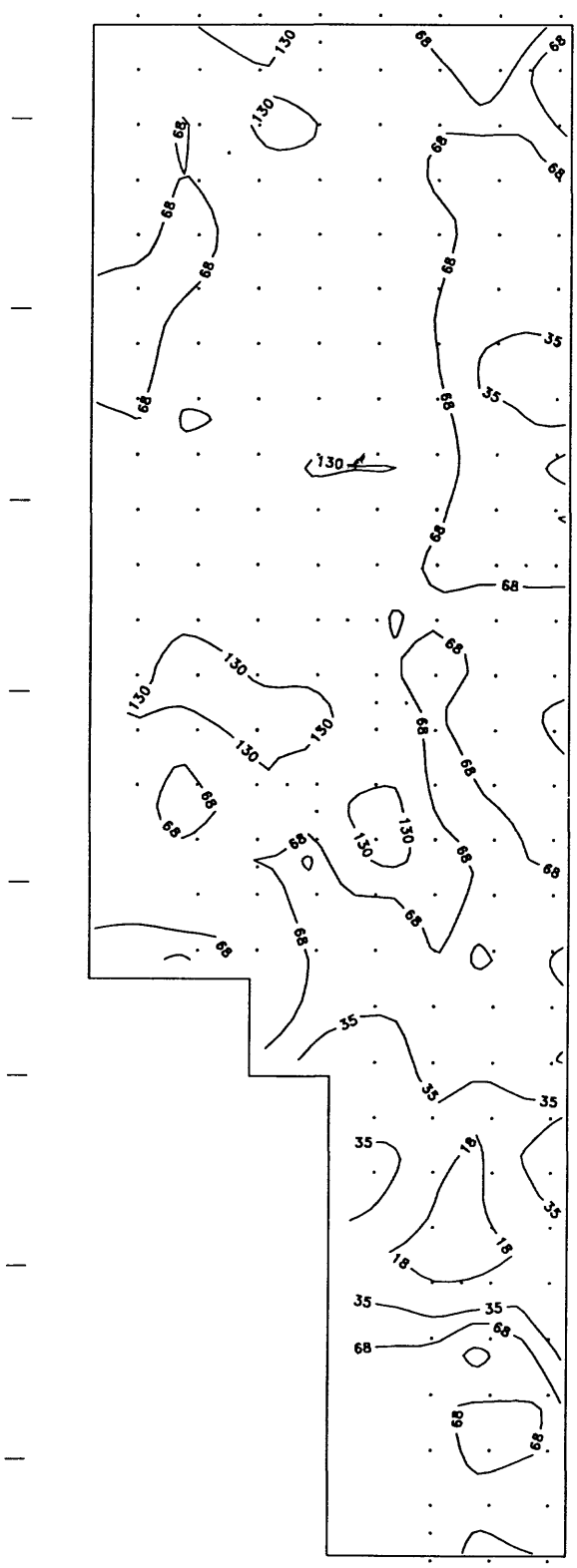


Figure 3-26. Vanadium.



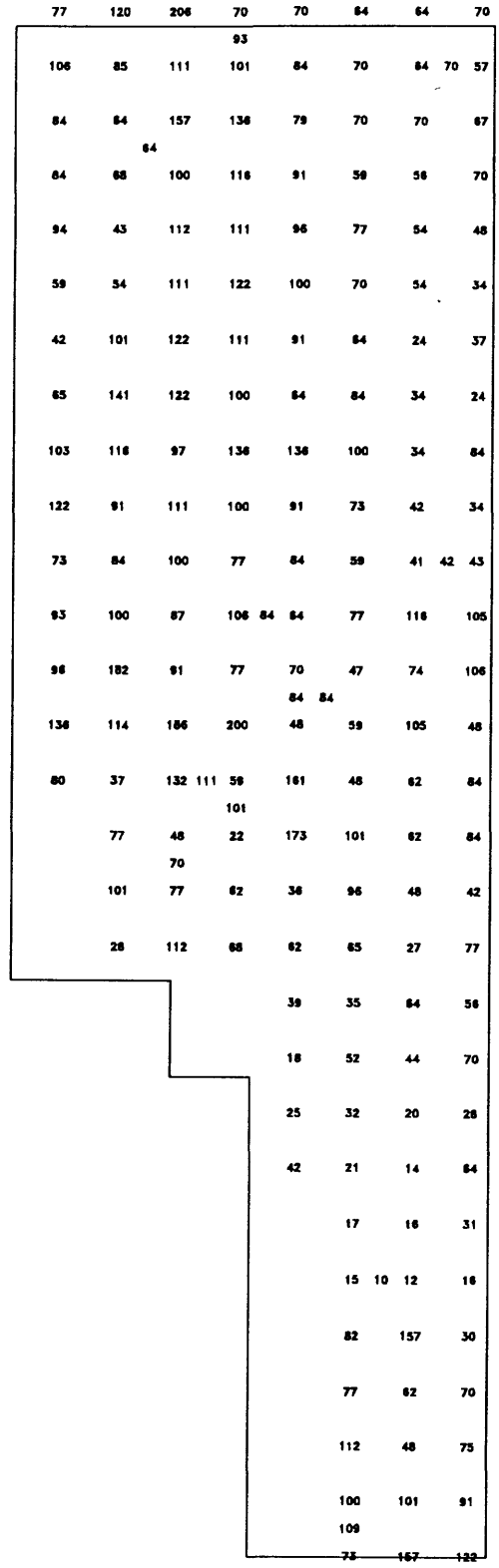


Figure 3-27. Yttrium.

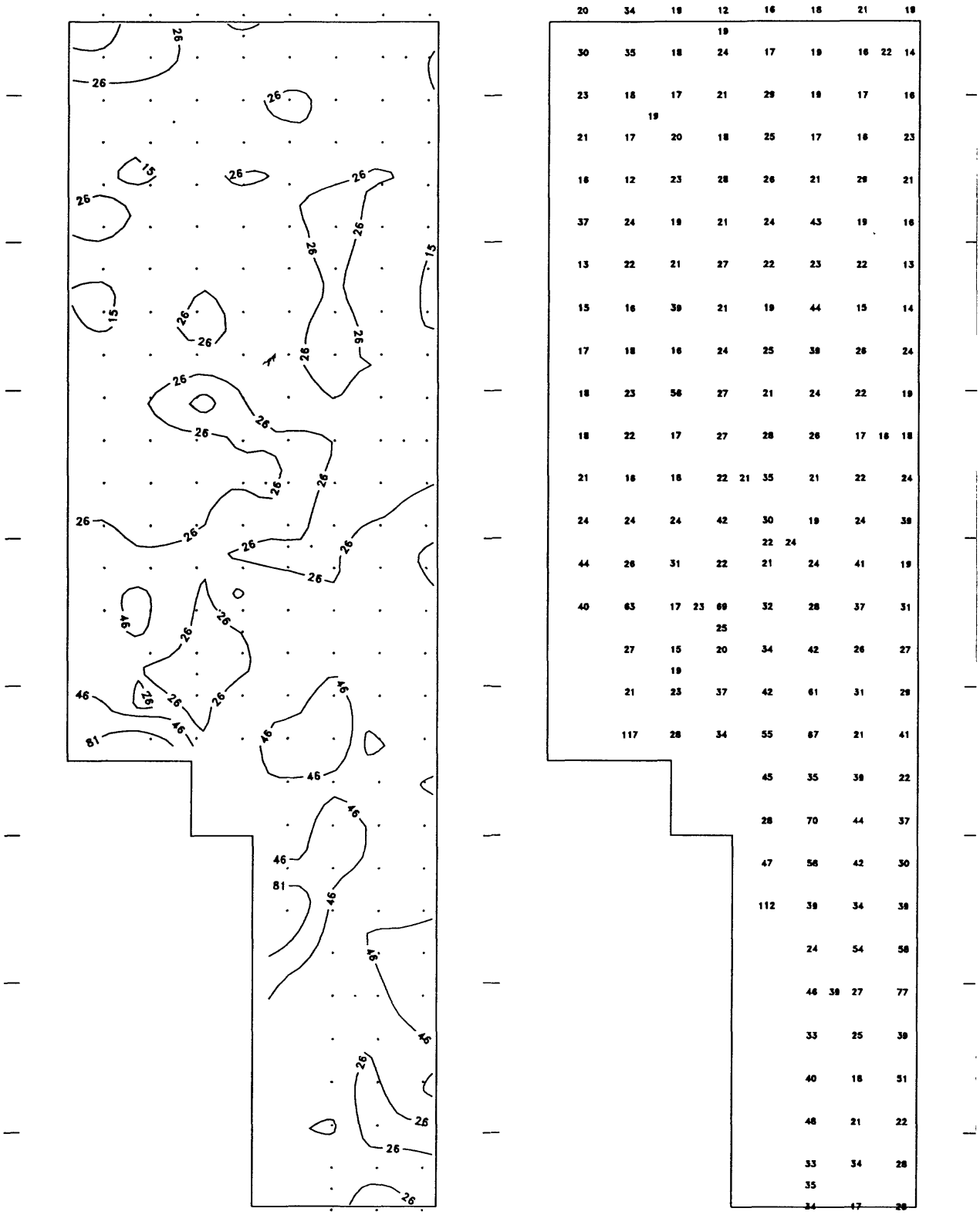


Figure 3-28. Ytterbium.

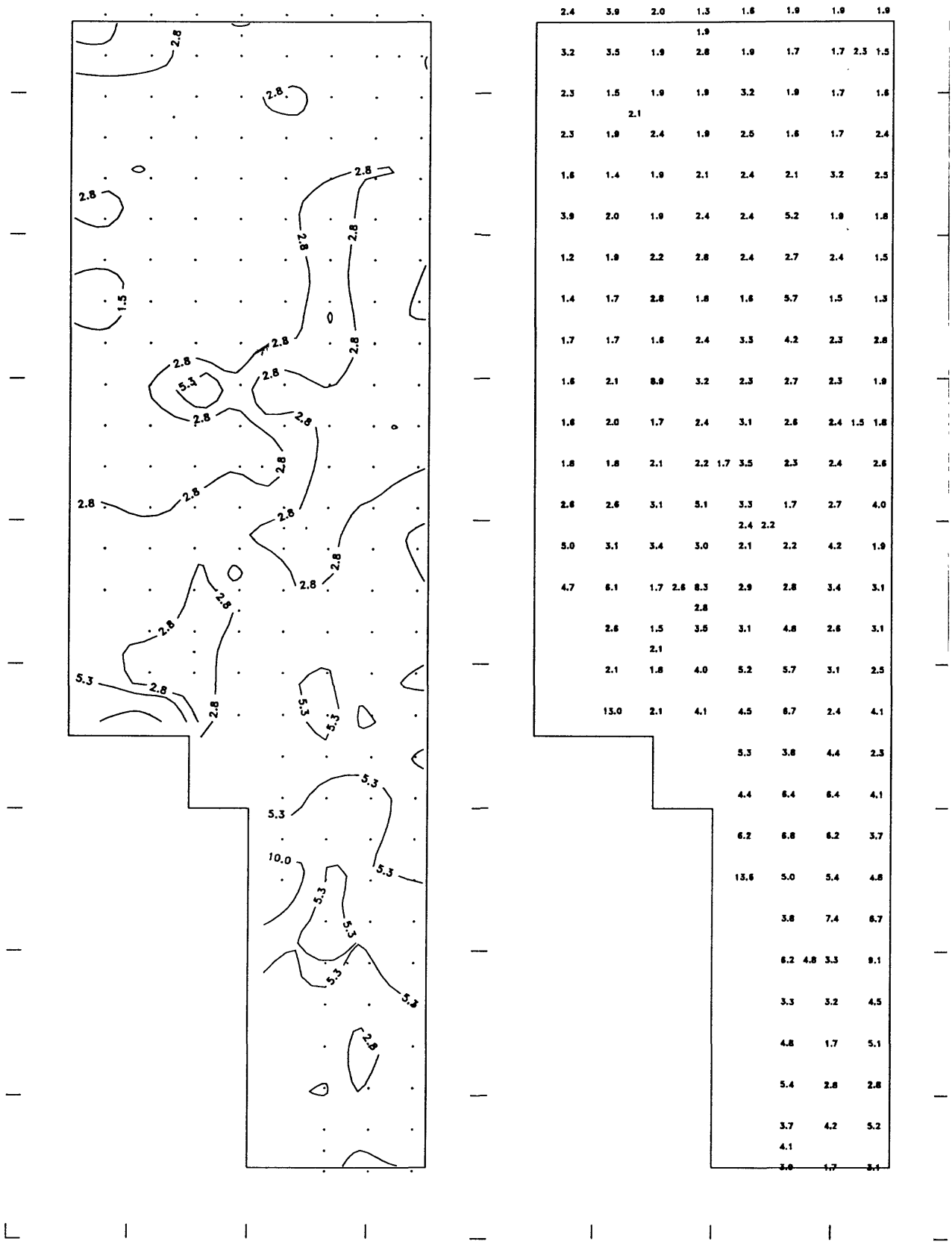


Figure 3–29. Zinc.

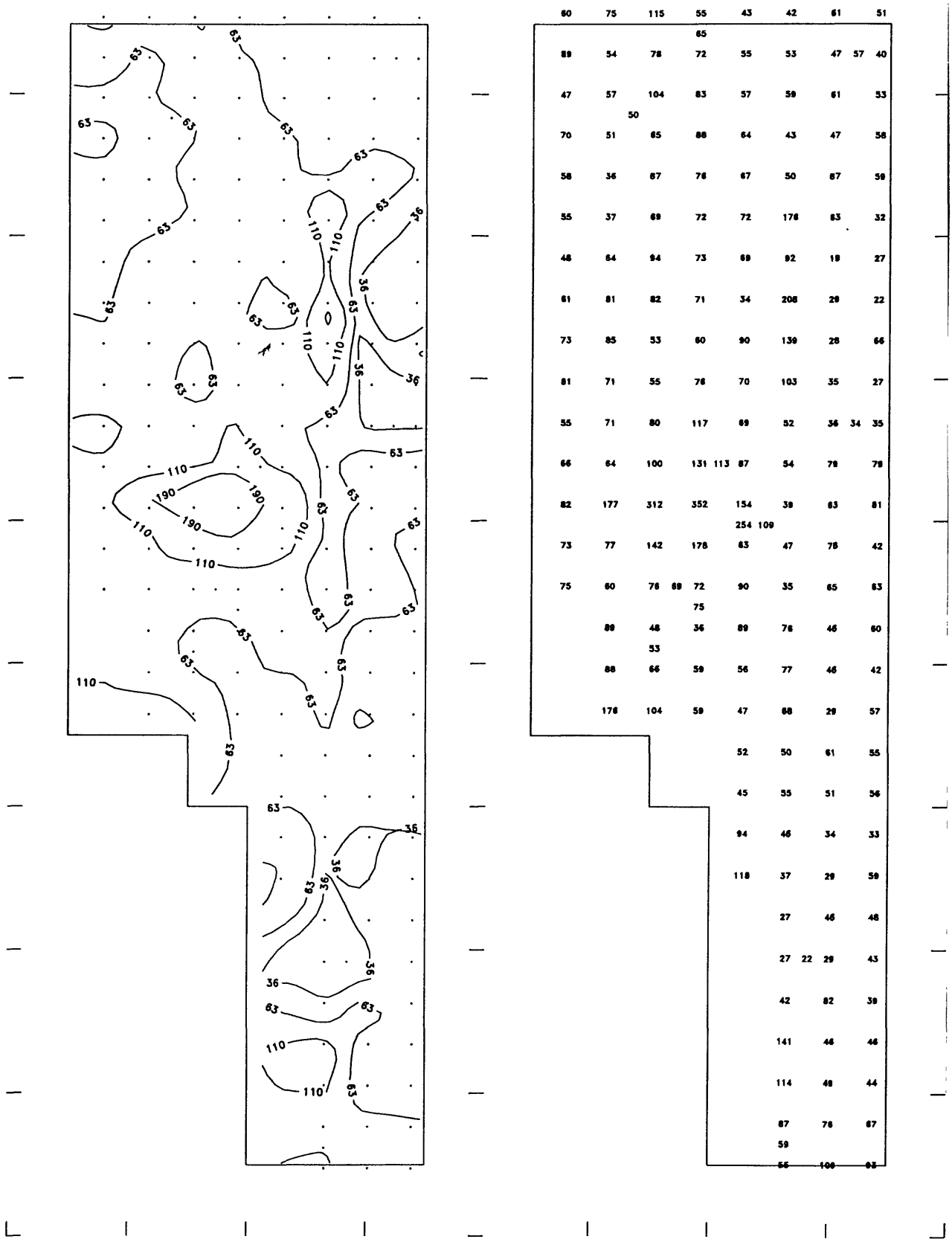
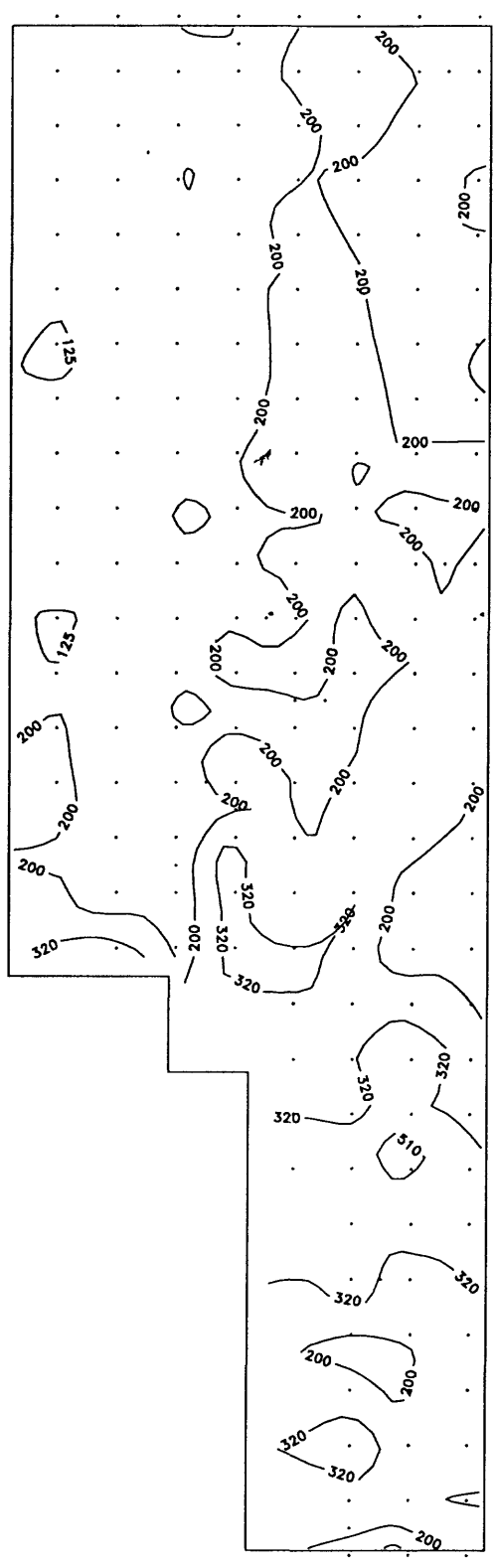


Figure 3-30. Zirconium.



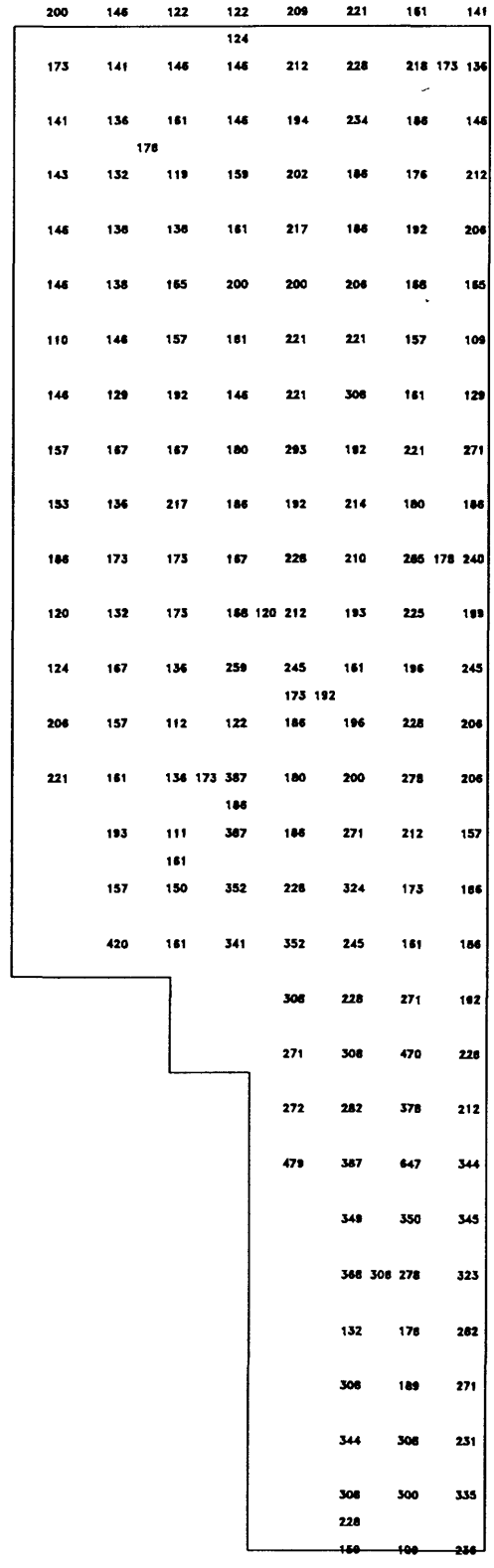


Figure 4 Explanation.

Figure 4 displays environmentally important but non-mappable elements. Maps display geometric means for samples within 4km cells for antimony, selenium, and tin. These maps are not countoured because Sb, Se, and Sn exhibited excessive procedural error (table 3). Point plots of individual data points are displayed for molybdenum and silver because very few values were reported above the lower detection limit (table 2).

Figure 4-1. Antimony.

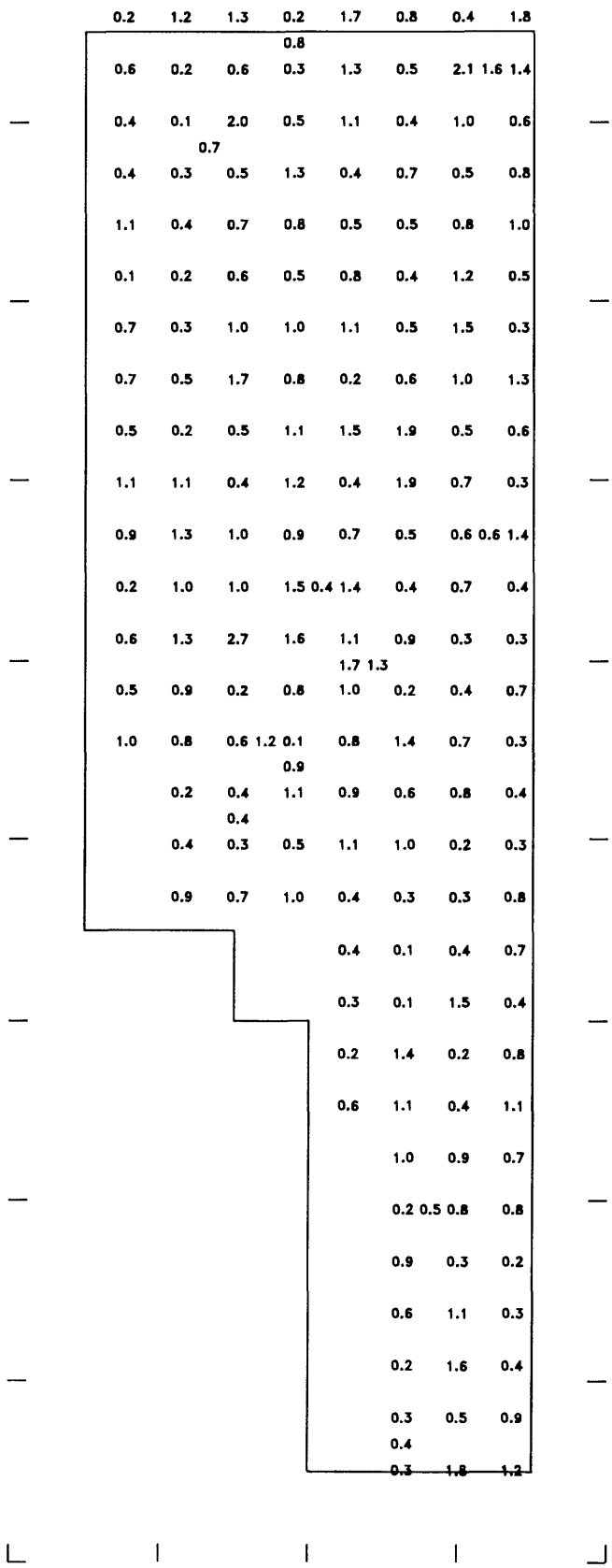


Figure 4-2. Molybdenum.

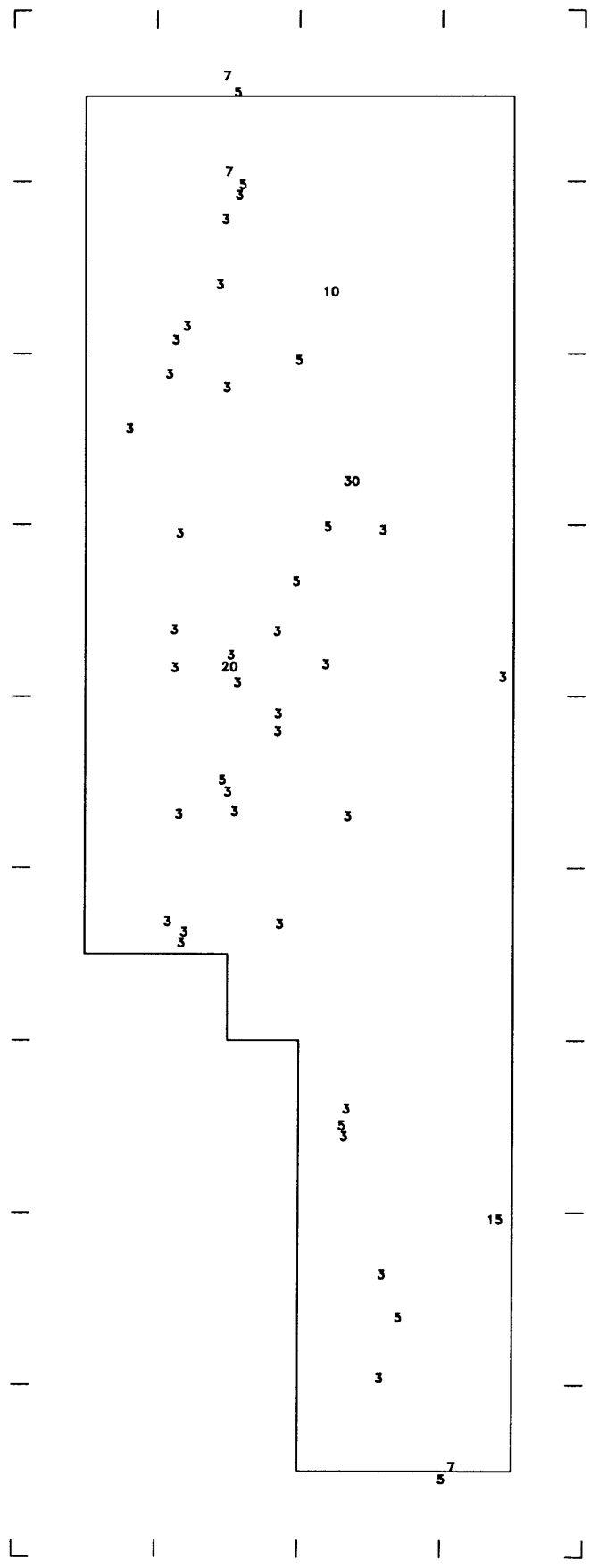


Figure 4-3. Selenium.

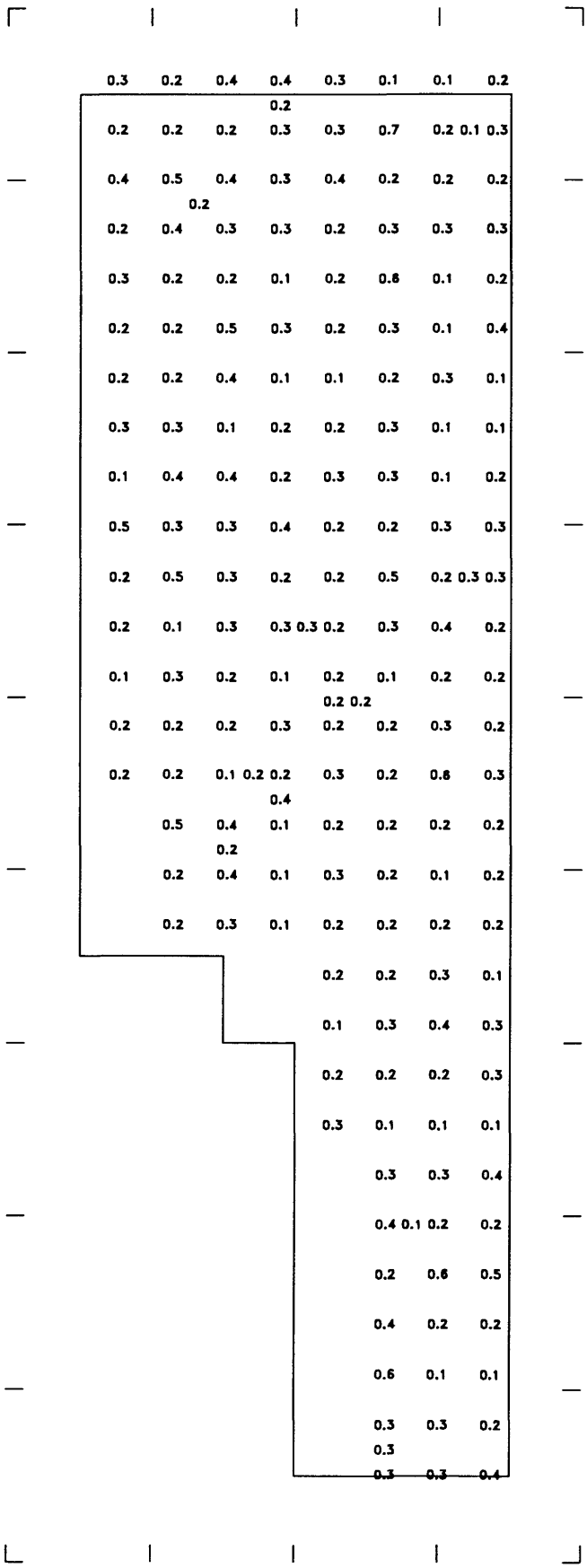


Figure 4-4. Silver

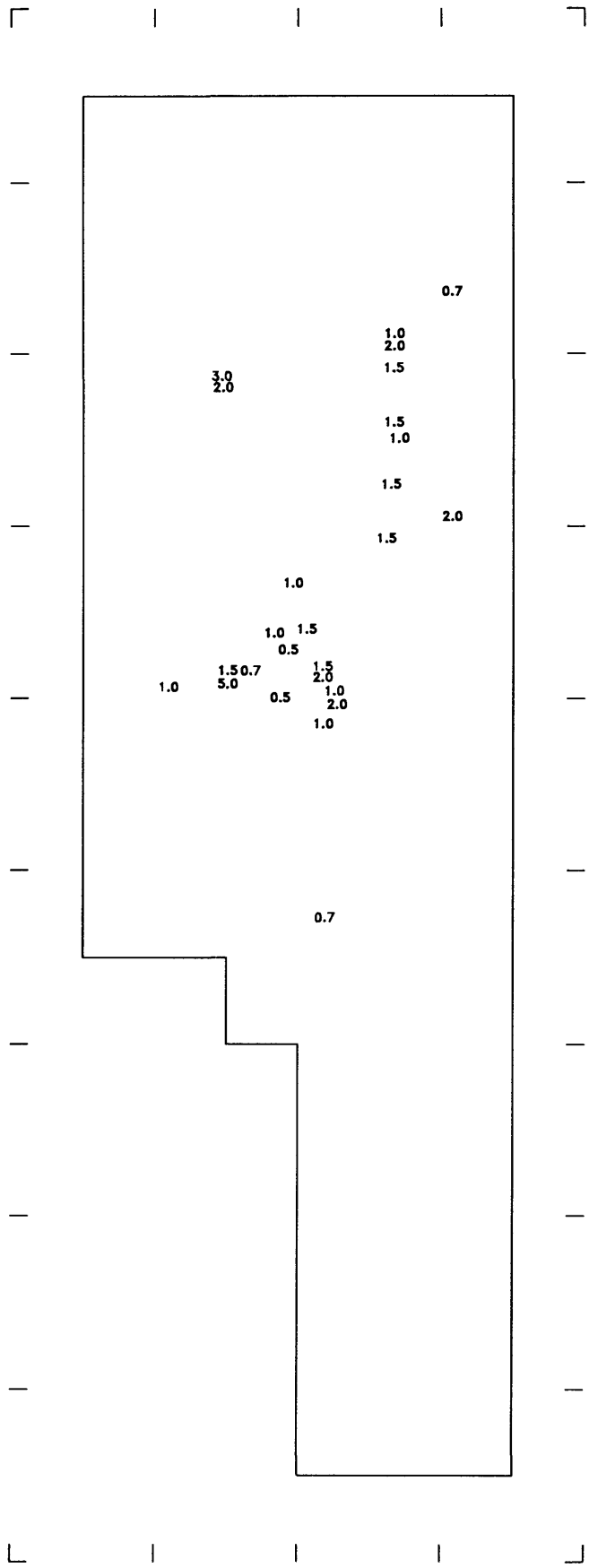


Figure 4–5. Tin.

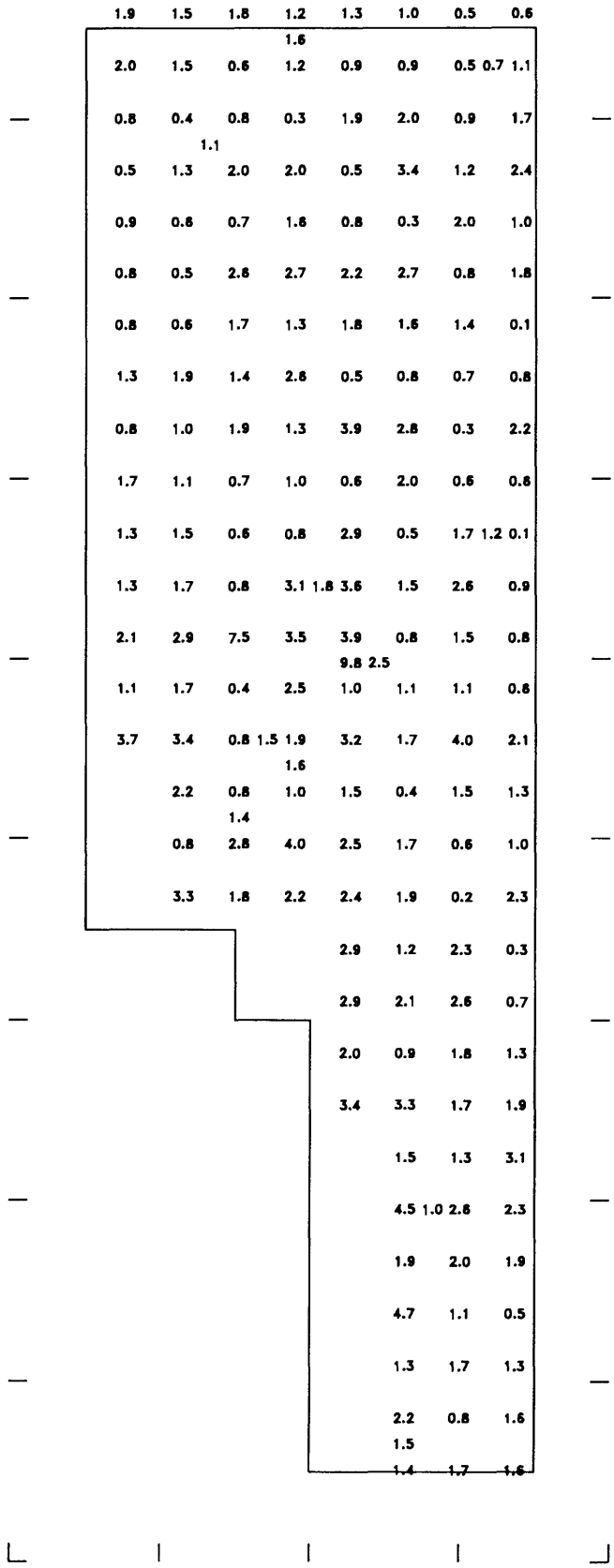


Table 1.--Distance-related and procedural variance components for elements measured in surface soils from the Front Range Urban Corridor.

Variable, unit of measure	Total log10 variance	Percentage of variance: Between zones	Between areas	Between localities	Between sites	Between samples	Procedural error
Al_2O_3, %	0.01441	6.0	14.5	10.0	53.4	6.3	9.7
As, ppm	0.16816	7.2	21.8	10.4	24.3	0.0	36.3
Ba, ppm	0.02335	24.7	25.0	0.3	23.5	0.0	26.6
Be, ppm	0.03589	7.5	19.2	11.2	24.9	0.0	37.2
Total C, %	0.08164	17.6	21.7	5.6	42.5	0.0	12.6
Organic C %	0.09075	16.3	20.8	5.6	45.1	0.0	12.1
CaO, %	0.14402	17.9	38.7	0.8	35.0	0.0	7.6
Co, ppm	0.05100	10.6	48.1	7.0	24.0	0.0	10.3
Cr, ppm	0.10608	21.1	41.0	9.2	16.7	0.0	12.0
Cu, ppm	0.14635	9.2	52.2	8.3	24.1	0.0	6.2
Fe_2O_3, %	0.06839	17.1	38.0	0.0	32.5	7.5	5.0
Ga, ppm	0.01374	8.4	22.1	8.9	23.7	0.0	36.9
Ge, ppm	0.14961	0.0	3.4	0.0	0.0	0.0	96.6
Hg, ppm	0.09482	0.0	44.7	9.1	34.3	0.0	11.8
K_2O, %	0.02981	17.1	27.1	4.4	44.3	5.4	1.6
La, ppm	0.06567	5.7	26.1	9.5	19.7	0.0	39.0
Li, ppm	0.04753	31.5	31.5	7.6	25.2	0.0	4.2
MgO, %	0.11974	21.4	45.8	2.4	27.0	0.0	3.5
Mn, ppm	0.05938	11.3	36.4	2.0	28.9	1.5	19.8
Na_2O, %	0.04800	6.1	38.1	23.8	24.2	4.7	3.0
Ni, ppm	0.15738	19.6	45.9	3.2	25.6	0.0	5.7
Pb, ppm	0.08031	6.6	39.9	0.0	24.2	0.0	29.4
Sb, ppm	0.26147	3.8	9.5	0.9	0.0	18.7	67.1
Sc, ppm	0.05481	12.5	41.7	6.7	28.9	1.0	9.1
Se, ppm	0.12758	0.0	7.2	0.0	0.0	39.8	53.0
SiO_2, %	0.00280	5.4	17.5	0.0	46.4	0.0	30.7
Sn, ppm	0.23420	20.9	16.3	0.0	0.0	14.6	68.2
Sr, ppm	0.06356	2.0	49.5	0.0	32.7	0.0	15.8
Ti, %	0.02894	7.5	27.1	4.1	30.5	14.8	16.1
V, ppm	0.08664	18.5	45.2	2.0	26.1	0.0	8.2
Y, ppm	0.06448	15.4	28.4	1.7	0.0	9.6	44.9
Yb, ppm	0.08141	16.4	29.4	1.6	10.3	0.0	42.3
Zn, ppm	0.05896	1.6	53.8	6.6	35.3	0.0	2.6
Zr, ppm	0.04279	11.0	22.0	15.2	8.8	0.0	43.0

Table 2.--Analytical methods and lower limits of determination for elements or compounds analyzed in soil.

[Data for elements or compounds in bold italics were used in this study. Data for other elements or compounds were below detection by the method, or the method was the least accurate and precise of the methods used.]

Analytical method	Determination limit	Elements or Compounds
Optical emission spectroscopy	0.5 ppm	***Ag***
	1 ppm	***Cr,Cu,Mn,Yb***
	1.5 ppm	***Be***
	2 ppm	***Ba***,Pd,Rh,
	3 ppm	***Mo***
	5 ppm	***Co,Ga,Ni,Sc,Sr,V***
	10 ppm	Bi,Ge,In,***La,Nb,Pb***,Ru,Sn,***Y,Zr***
	20 ppm	Au,***B***,Ho,Tm
	30 ppm	Lu
	50 ppm	Cd,Er,Gd,Ir,Os,Pt,Re,Tl
	70 ppm	***Nd***
	100 ppm	Eu,Hf,Li,Pr,Sm,W
	200 ppm	***Ce***,Sb,Th
	300 ppm	Tb
	500 ppm	Ta,U
	1000 ppm	As
	2000 ppm	Te
	0.0002 %	***Ti***
	0.001 %	Fe
	0.002 %	Ca,Mg,Si
	0.01 %	Al
	0.2 %	P
	0.7 %	K
X-ray fluoresence spectrometry	0.1 ppm	***As,Ge,Sb,Se,Sn***
	0.02 %	***K_2O***,TiO_2,MnO
	0.04 %	***MgO,Na_2O,Total S***
	0.1 %	***CaO,Cl,P_2O_5***
	0.2 %	***Al_2O_3,Fe_2O_3,SiO_2***
Atomic absorption spectroscopy	0.01 ppm	***Hg***
	10 ppm	***Li,Zn***
Ion selective electrode	0.04 %	***F***
Gasometric	0.01 %	***Carbonate C***
	0.05 %	***Total C***
	0.1 %	***Organic C***

Table 3.--Summary statistics for element concentrations measured in surface soils of the Front Range Urban Corridor.

[Detection ratio, number of samples in which the element was found in measurable concentrations relative to the number of samples analyzed; Baseline range, expected 95-percent range; Observed range, minimum and maximum element concentrations measured]

Variable, unit of measure	Detection ratio	Geometric mean	Geometric deviation	Baseline range	Observed range
Ag, ppm	19:712	-.-[1]	-.-[1]	---[2]	<0.5-5
Al_2O_3, %	711:712	10.7	1.32	6.1-18.6	0.14-18.8
As, ppm	690:712	3.5	2.51	0.6-22	<0.1-35
B, ppm	316:712	1.3	21.8	---[2]	<20-300
Ba, ppm	712:712	890	1.41	450-1800	100-2000
Be, ppm	647:712	1.2	1.54	0.5-2.8	<1-15
Total C, %	712:712	1.42	1.90	0.39-5.13	0.12-25.3
Organic C, %	712:712	1.26	1.97	0.33-4.89	0.1-22.1
Carb. C, %	420:712	0.018	12.0	---[2]	<0.01-3.72
CaO, %	712:712	1.16	2.35	0.21-6.41	0.70-22.4
Ce, ppm	124:712	-.-[1]	-.-[1]	---[2]	<200-700
Cl, ppm	35:712	-.-[1]	-.-[1]	---[2]	<0.1-1.1
Co, ppm	566:712	4.0	3.41	0.3-47	<5-30
Cr, ppm	712:712	31	2.07	7.2-130	2-300
Cu, ppm	712:712	13	2.39	2.3-74	1-200
F, %	477:712	0.05	1.79	-.-[2]	<0.04-0.27
Fe_2O_3, %	712:712	3.09	1.79	0.96-9.90	0.35-11.5
Ga, ppm	712:712	16	1.31	9.3-27	5-50
Ge, ppm	681:712	1.7	2.36	-.-[2]	<0.1-8.2
Hg, ppm	701:712	0.024	2.03	0.06-0.099	<0.01-0.77
K_2O, %	711:712	3.06	1.48	1.40-6.70	<0.02-6.99
La, ppm	623:712	37	4.33	2-690	<10-300
Li, ppm	697:712	20	1.61	7.7-52	<10-120
MgO, %	711:712	0.68	2.13	0.15-3.09	<0.04-5.38
Mn, ppm	712:712	280	1.74	90-850	50-1500
Mo, ppm	49:712	-.-[1]	-.-[1]	-.-[2]	<3-30
Na_2O, %	712:712	1.17	1.65	0.43-3.19	0.05-4.6
Nb, ppm	386:712	2.0	9.68	-.-[2]	<10-150
Nd, ppm	216:712	-.-[1]	107	-.-[2]	<70-300
Ni, ppm	603:712	6.8	4.37	0.36-130	<5-70
P_2O_5, %	339:712	0.09	2.78	-.-[2]	<0.1-1.6
Pb, ppm	712:712	35	1.90	9.7-130	10-700
Total S, %	73:712	-.-[1]	-.-[1]	-.-[2]	<0.04-10.8
Sb, ppm	605:712	0.6	3.46	-.-[2]	<0.1-7.4
Sc, ppm	617:712	6.1	2.91	0.7-52	<5-50
Se, ppm	542:712	0.23	2.42	-.-[2]	<0.1-1.6
SiO_2, %	712:712	67.6	1.13	53-86	25-94
Sn, ppm	668:712	1.3	3.06	-.-[2]	<0.1-34
Sr, ppm	712:712	270	1.78	85-860	20-1500
Ti, %	712:712	0.21	1.47	0.097-0.45	0.05-1.0
V, ppm	712:712	68	1.94	18-260	5-300
Y, ppm	709:712	26	1.77	8.3-81	<10-500
Yb, ppm	709:712	2.8	1.90	0.8-10	<1-50
Zn, ppm	712:712	63	1.75	21-190	12-1350
Zr, ppm	712:712	200	1.60	78-510	50-1500

[1]Unable to estimate because of low detection ratio.

[2]Not reported because of low detection ratio or excessive procedural error (table 1).

Table 4--Variance ratio, variance-mean ratio, and estimated numbers of samples necessary within an area 4 by 4 km square to prepare stable geochemical maps at the 80% and 95% probability levels for variables in surface soils of the Front Range Urban Corridor.

[V, variance ratio; Vm, variance mean ratio; Nr, number of random samples necessary to construct stable geochemical maps at probability levels of 80% and 95%]

Variable, unit of measure	*v*	*Nr*		*Vm*
		80%	95%	
Al_2O_3, %	0.26	5	13	0.9
As, ppm	0.41	4	9	1.4
Ba, ppm	0.99	3	5	3.9
Be, ppm	0.36	4	10	1.3
Total C, %	0.65	3	7	2.4
Organic C %	0.59	3	7	2.2
CaO, %	1.30	2	5	5.1
Co, ppm	1.42	2	4	4.9
Cr, ppm	1.64	2	4	5.3
Cu, ppm	1.59	2	4	5.2
Fe_2O_3, %	1.22	2	5	4.9
Ga, ppm	0.44	4	9	1.6
Hg, ppm	0.81	3	6	2.8
K_2O, %	0.79	3	6	2.9
La, ppm	0.47	3	8	1.6
Li, ppm	1.70	2	4	5.6
MgO, %	2.05	2	4	7.6
Mn, ppm	0.91	2	5	3.5
Na_2O, %	0.79	2	6	2.2
Ni, ppm	1.90	2	4	7.0
Pb, ppm	0.87	3	5	3.5
Sc, ppm	1.19	2	5	4.1
SiO_2, %	0.30	4	12	1.2
Sr, ppm	1.06	2	5	4.3
Ti, %	0.53	3	8	2.0
V, ppm	1.75	2	4	6.6
Y, ppm	0.78	3	6	3.0
Yb, ppm	0.84	3	6	3.3
Zn, ppm	1.25	2	4	4.3
Zr, ppm	0.49	3	8	1.6

Table 5.--Factor compositions, expressed as correlation coefficients, for variables in samples of soils from the Front Range Urban Corridor.

Factor 1	Factor 2	Factor 3	Factor 4	Factor 5
Co 0.90	Y 0.92	Hg 0.93	Total C 0.67	Carbonate C 0.89
Sc 0.89	Yb 0.92	Pb 0.90	Li 0.67	CaO 0.73
Fe_2O_3 0.86	La 0.80	Zn 0.83	Organic C 0.65	MgO 0.48
Ti 0.82	Zr 0.75	As 0.67	Be 0.47	As 0.44
V 0.82	Ga 0.74	Cu 0.57	Cr 0.43	Ni 0.41
MgO 0.74	Be 0.68	Organic C 0.45	Ni 0.42	
Mn 0.72	K_2O 0.61	Total C 0.43	Sr -0.41	
Al_2O_3 0.69	Ba 0.56		Ba -0.57	
Sr 0.71	Al_2O_3 0.42			
Cu 0.67				
Cr 0.66				
Ni 0.66				
CaO 0.52				
Li 0.52				
Ga 0.46				
K_2O -0.44				
SiO_2 -0.64				

Appendix Table A1 Explanation.

The field ID consists of six numbers followed by either an "A" or "B" for some samples. The letters represent two samples collected within a site (fig. 2) and not composited, but analyzed individually. The first three digits of the field ID represent the 190 sample areas shown in figure 2. The fourth digit represents the four localities within a site numbered counter clockwise starting in the northeast quadrant. The fifth digit represents the two sites within a locality. The sixth digit (1 or 2) is used to indicate samples split in the laboratory for determination of procedural error. Samples not split for procedural error contain a "0" in position six.

Laboratory ID is used in the U.S. Geological Survey laboratories to consecutively number all samples received for analysis.

In the body of the table, some data are followed by the letters "N", "L", and "B". These letters indicate not detected at the lower limit of determination (N), less than the given value, or if blank or zero less than the determination limit (L) given in table 1, and blank or no data available (B)

Field ID	Lab. ID	N. Latitude	W. Longitude	Ag, ppm	Al2O3, %	As, ppm	B, ppm	Ba, ppm	Be, ppm	Tot. C, %
001210	D162396	40.6417	105.3191	0.0 N	11.1	2.0	20	1000	1	2.83
001220	D162135	40.6445	105.3166	0.0 N	10.9	2.4	20	700	1	3.02
001310	D162450	40.6271	105.3204	0.0 N	13.7	2.4	20	1000	3	1.66
001320A	D162551	40.6201	105.3131	0.0 N	11.4	3.8	70	700	1.5	2.85
001320B	D162238	40.6201	105.3131	0.0 N	12.1	3.3	0 N	1000	10	2.94
002110	D162823	40.6516	105.2125	0.0 N	11.8	5.2	0 N	700	1.5	1.57
002120	D162277	40.6444	105.1914	0.0 N	8.7	3.7	0 N	500	1	1.08
002410	D162956	40.6174	105.2020	0.0 N	12.3	B	50	1000	1	3.59
002420	D162124	40.6222	105.2055	0.0 N	14.7	4.1	20	500	1.5	0.80
003210	D162683	40.6435	105.1276	0.0 N	12.6	3.5	50	1000	1	2.67
003220	D162754	40.6393	105.1193	0.0 N	13.7	10.2	50	1000	1	2.21
003410	D162644	40.6301	105.0981	0.0 N	11.6	9.4	50	700	1	2.64
003420	D162315	40.6326	105.1090	0.0 N	11.7	8.9	30	700	1	1.85
004210A	D162772	40.6500	105.0451	0.0 N	11.6	8.3	30	1000	1	1.27
004210B	D162416	40.6500	105.0451	0.0 N	11.6	6.5	30	1000	1	1.73
004220	D162945	40.6358	105.0391	0.0 N	9.8	6.9	30	700	1	1.82
004410	D162239	40.6176	105.0224	0.0 N	4.0	3.3	20	200	0 N	2.62
004420	D162363	40.6249	105.0107	0.0 N	10.2	7.0	20	500	1	1.53
005110	D162923	40.6446	104.9208	0.0 N	7.8	4.8	20	700	1	0.92
005120	D162194	40.6419	104.9174	0.0 N	7.8	3.9	20	500	0 N	0.85
005210	D162519	40.6391	104.9506	0.0 N	9.1	8.7	20	700	1	1.15
005220A	D162955	40.6382	104.9303	0.0 N	8.0	B	20	700	1	0.87
005220B	D162937	40.6382	104.9303	0.0 N	7.3	5.5	20	700	0 N	0.50
006110A	D162638	40.6471	104.8288	0.0 N	8.1	4.8	30	700	1	0.70
006110B	D162201	40.6471	104.8288	0.0 N	7.6	0.1 L	0 N	700	0 N	0.79
006120	D162306	40.6381	104.8184	0.0 N	7.4	5.8	L	700	1	0.81
006310	D162183	40.6321	104.8522	0.0 N	7.6	4.9	20	700	0 N	0.81
006320	D162776	40.6185	104.8524	0.0 N	8.3	7.2	20	700	1	0.86
007110	D162577	40.6497	104.7397	0.0 N	0.2 L	3.1	20	700	1	0.78
007120	D162649	40.6391	104.7363	0.0 N	8.1	4.7	30	700	1	0.80
007310	D162608	40.6319	104.7494	0.0 N	8.9	13.1	50	700	2	7.92
007320	D162962	40.6218	104.7551	0.0 N	10.8	1.5	L	1000	1	1.68
008110	D162318	40.6361	104.6381	0.0 N	10.7	0.4	20	1000	1	1.31
008120	D162924	40.6513	104.6320	0.0 N	8.8	4.2	0 N	700	0 N	1.59
008210	D162303	40.6361	104.6583	0.0 N	11.3	4.7	L	1000	1	1.00
008220	D162122	40.6372	104.6631	0.0 N	10.5	3.6	L	700	1	1.24
009110A	D162516	40.5723	105.2908	0.0 N	13.6	4.2	100	700	1	3.71
009110B	D162789	40.5723	105.2908	0.0 N	12.8	3.2	100	500	1.5	4.05
009120	D162705	40.5632	105.2885	0.0 N	13.7	2.7	70	1000	1	4.12
009210	D162599	40.5679	105.3142	0.0 N	12.3	3.0	100	700	5	2.49
009220	D162826	40.5778	105.3105	0.0 N	12.3	1.5	70	700	1.5	3.08
010110	D162719	40.5637	105.2019	0.0 N	13.5	2.5	L	700	1.5	1.92
010120	D162130	40.5763	105.1902	0.0 N	11.4	1.4	70	500	1.5	4.15
010211	D162646	40.5672	105.2279	0.0 N	4.4	1.8	20	200	0 N	0.72
010212	D162837	40.5672	105.2279	0.0 N	3.6	1.7	L	200	0 N	1.12
010220	D162967	40.5715	105.2186	0.0 N	15.0	0.1 L	0 N	700	1.5	1.27
011210	D162328	40.5673	105.1253	0.0 N	9.8	5.8	20	500	1	2.32
011220	D162905	40.5770	105.1290	0.0 N	12.3	6.3	50	700	1	1.60
011410	D162875	40.5510	105.1015	0.0 N	12.2	5.0	30	700	1.5	1.60
011420	D162643	40.5607	105.1169	0.0 N	12.2	7.2	30	700	1.5	1.98
012110	D162278	40.5654	105.0048	0.0 N	13.1	2.5	30	700	1	2.71
012120	D162635	40.5691	105.0234	0.0 N	12.7	3.4	30	500	1	1.74
012310	D162714	40.5448	105.0260	0.0 N	11.7	7.1	50	1000	1.5	1.46
012320	D162295	40.5583	105.0447	0.0 N	11.7	6.4	20	1000	1	1.51
013110	D162748	40.5690	104.9150	0.0 N	10.0	6.0	20	1000	1	3.06
013120	D162128	40.5719	104.9185	0.0 N	11.0	3.5	50	500	1.5	1.14
013410	D162219	40.5529	104.9198	0.0 N	9.2	4.5	L	700	1	1.34
013420	D162938	40.5619	104.9207	0.0 N	9.1	5.8	30	700	1	1.62
014310	D162412	40.5581	104.8545	0.0 N	8.7	6.5	20	700	1	1.41
014320	D162922	40.5509	104.8512	0.0 N	9.0	5.5	L	700	1	1.05
014410	D162942	40.5582	104.8335	0.0 N	8.5	6.0	20	700	1	1.17
014420	D162415	40.5574	104.8181	0.0 N	10.1	7.1	20	1000	1	0.99
015310	D162586	40.5481	104.7591	0.0 N	8.0	6.2	20	700	0 N	1.23
015320	D162849	40.5561	104.7518	0.0 N	9.6	5.5	30	700	1	1.12
015410	D162274	40.5586	104.7263	0.0 N	9.8	5.5	20	700	2	1.16

Field ID	Lab. ID	N. Latitude	W. Longitude	Ag, ppm		Al2O3, %	As, ppm		B, ppm		Ba, ppm	Be, ppm		Tot. C, %
015420	D162773	40.5578	104.7342	0.0	N	9.0	6.0		20		1000	1		1.24
016210	D162542	40.5667	104.6609	0.0	N	9.5	6.7		50		1000	1		2.09
016220	D162260	40.5649	104.6668	0.0	N	9.6	5.0		20		700	1		0.89
016410	D162287	40.5478	104.6339	0.0	N	9.4	6.0		0	N	1000	1		1.07
016420	D162865	40.5550	104.6269	0.0	N	8.7	2.9		0	N	1000	0	N	0.28
017210	D162359	40.4910	105.3127	0.0	N	12.2	1.9		30		700	2		3.75
017220	D162925	40.4965	105.3151	0.0	N	14.8	6.4		50		700	1.5		1.61
017410	D162765	40.4849	105.2911	0.0	N	12.5	1.8		50		1000	2		1.44
017420A	D162237	40.4812	105.2925	0.0	N	13.1	5.6		70		700	3		1.82
017420B	D162659	40.4812	105.2925	0.0	N	11.4	3.4		50		700	3		1.93
018110	D162728	40.4914	105.2103	0.0	N	8.9	2.8		20		1500	1		2.42
018120	D162532	40.5003	105.1924	0.0	N	10.4	3.5		20		700	1		1.72
018410	D162257	40.4726	105.2062	0.0	N	10.1	2.8		30		500	1		1.66
018420	D162889	40.4850	105.2099	0.0	N	10.4	4.1		30		500	1		2.24
019210	D162503	40.4908	105.1297	0.0	N	8.8	9.0		50		700	1		2.99
019220	D162809	40.5038	105.1239	0.0	N	7.6	13.8		30		700	1		4.87
019410	D162114	40.4851	105.0999	0.0	N	11.3	10.0		50		700	1		1.98
019420	D162778	40.4752	105.1060	0.0	N	12.8	3.4		50		1000	1		1.54
020110	D162822	40.4908	105.0142	0.0	N	12.2	7.7		50		1000	2		1.11
020120	D162961	40.4911	105.0227	0.0	N	12.7	0.1	L	30		1000	1		2.03
020410	D162233	40.4736	105.0013	0.0	N	12.6	2.5		30		1000	1		2.09
020420	D162221	40.4862	105.0055	0.0	N	9.1	9.0		20		700	1		2.15
021210	D162940	40.4932	104.9315	0.0	N	10.6	5.0			L	1000	1		1.16
021220A	D162760	40.5077	104.9375	0.0	N	9.8	3.0		30		1000	1		3.42
021220B	D162540	40.5077	104.9375	0.0	N	9.8	5.3		50		1000	1		3.66
021311	D162571	40.4819	104.9433	0.0	N	12.9	5.1		20		700	1.5		0.74
021312	D162454	40.4819	104.9433	0.0	N	11.1	5.1		0	N	1000	5		1.10
021320	D162265	40.4852	104.9400	0.0	N	10.7	3.3			L	1000	1		1.63
022110	D162932	40.4970	104.8124	0.0	N	11.2	10.0		20		700	1		1.08
022120	D162558	40.4942	104.8324	0.0	N	8.8	8.0		30		500	1		0.72
022410	D162653	40.4733	104.8243	0.0	N	8.1	4.8		30		700	1.5		1.20
022420	D162445	40.4822	104.8206	0.0	N	7.4	2.3		20		1000	1		0.82
023110	D162406	40.5045	104.7299	0.0	N	9.8	9.2		20		700	1		1.02
023120	D162890	40.4973	104.7275	0.0	N	9.3	7.5		20		500	0	N	0.87
023310	D162876	40.4759	104.7606	0.0	N	10.1	5.8		20		700	1		1.25
023320	D162795	40.4758	104.7439	0.0	N	10.3	8.4		30		700	1		1.54
024310A	D162667	40.4766	104.6687	0.0	N	12.0	5.9		30		700	1		0.84
024310B	D162501	40.4766	104.6687	0.0	N	9.8	4.2		30		1000	1		0.76
024320	D162266	40.4748	104.6640	0.0	N	10.1	5.3		20		700	1		0.99
024410	D162267	40.4793	104.6320	0.0	N	12.1	2.8		20		700	1		1.49
024420	D162165	40.4757	104.6426	0.0	N	9.3	0.5		20		700	1		1.00
025110	D162366	40.4236	105.3030	0.0	N	12.1	1.8		100		500	2		2.06
025120	D162970	40.4253	105.2912	0.0	N	12.1	0.1	L	70		700	1.5		1.60
025410	D162344	40.4145	105.3054	0.0	N	10.9	2.2		30		1000	2		5.94
025420	D162300	40.4009	105.2959	0.0	N	14.0	4.4		300		700	10		1.90
026210	D162887	40.4229	105.2132	0.0	N	5.8	2.3		30		300	0	N	1.21
026220	D162538	40.4325	105.2195	0.0	N	12.5	3.7			L	700	1		1.92
026410	D162883	40.4021	105.1920	0.0	N	10.7	8.6		50		500	1		2.96
026420	D162717	40.4013	105.2015	0.0	N	8.4	5.2		70		500	1		3.27
027210	D162290	40.4344	105.1297	0.0	N	9.0	10.0		30		500	1		1.89
027220	D162418	40.4245	105.1344	0.0	N	6.4	2.8		20		500	0	N	2.14
027410	D162562	40.4008	105.1003	0.0	N	11.9	8.7		50		700	2		3.00
027420	D162771	40.4093	105.1132	0.0	N	13.3	8.5		50		1000	1		3.21
028110	D162324	40.4349	105.0104	0.0	N	14.7	8.1		30		700	1.5		1.72
028120A	D162524	40.4251	105.0133	0.0	N	12.2	9.1		30		700	1		2.39
028120B	D162954	40.4251	105.0133	0.0	N	11.7		B	30		700	1		1.85
028310	D162901	40.4051	105.0412	0.0	N	12.1	7.3		20		700	1		2.34
028320	D162833	40.4006	105.0293	0.0	N	12.1	6.1		30		700	1		2.44
029210	D162212	40.4258	104.9517	0.0	N	10.7	5.0		20		700	1		1.72
029220	D162377	40.4356	104.9325	0.0	N	11.1	5.4		20		1000	1		2.35
029310A	D162170	40.4114	104.9434	0.0	N	9.3	3.8		20		700	1		1.00
029310B	D162665	40.4114	104.9435	0.0	N	9.7	4.2		20		700	1		0.83
029320	D162859	40.4095	104.9515	0.0	N	11.6	9.9		30		700	1		1.23
030310	D162693	40.4011	104.8461	0.0	N	10.1	6.3			L	700	1		0.74
030320	D162929	40.4023	104.8526	0.0	N	8.2	4.9		0	N	700	1		0.89

Field ID	Lab. ID	N. Latitude	W. Longitude	Ag, ppm		Al2O3, %	As, ppm		B, ppm		Ba, ppm	Be, ppm		Tot. C, %
030410	D162515	40.4157	104.8311	0.0	N	8.8	2.5		0	N	700	1		0.69
030420	D162158	40.4060	104.8207	0.0	N	9.5	2.6		20		700	1		0.80
031110A	D162958	40.4226	104.7203	0.0	N	10.0		B	30		1000	1		1.25
031110B	D162550	40.4226	104.7203	0.0	N	9.2	5.1		30		1000	1		0.98
031120	D162480	40.4308	104.7228	0.0	N	9.1	2.0		0	N	700	1		0.58
031210	D162662	40.4264	104.7488	0.0	N	9.6	3.6			L	700	1		0.69
031220	D162204	40.4357	104.7504	0.0	N	8.9	1.9			L	1000	1		0.83
032110	D162588	40.4271	104.6277	0.0	N	11.7	6.1		20		1000	1		1.30
032120	D162680	40.4335	104.6461	0.0	N	8.5	5.2			L	1500	1		1.29
032411	D162458	40.4008	104.6408	0.0	N	10.8	2.3		30		1000	2		1.21
032412	D162569	40.4008	104.6407	0.0	N	8.7	5.8		20		700	1		2.21
032420	D162420	40.4099	104.6254	0.0	N	11.3	4.2		30		1500	1.5		1.44
033110	D162788	40.3598	105.2839	0.0	N	9.7	4.2		30		500	1		2.42
033120	D162264	40.3539	105.3012	0.0	N	13.0	2.6		20		1000	1.5		2.07
033210	D162228	40.3555	105.3088	0.0	N	13.2	1.4		70		500	15		1.70
033220	D162492	40.3486	105.3205	0.0	N	14.6	2.1		70		700	1		1.09
034110	D162960	40.3635	105.2024	0.0	N	7.3	0.1	L	20		500	1		2.01
034120	D162203	40.3554	105.2037	0.0	N	9.4	2.7		20		700	1		2.31
034210A	D162289	40.3553	105.2284	0.0	N	3.8	4.2		0	N	300	0	N	1.58
034210B	D162697	40.3553	105.2284	0.0	N	10.2	2.6			L	200	0	N	1.62
034220	D162917	40.3624	105.2168	0.0	N	8.5	2.6		20		300	1		0.96
035110	D162388	40.3545	105.1036	0.0	N	10.4	5.3		30		700	1		1.33
035120	D162818	40.3501	105.0962	0.0	N	11.5	6.0		30		1000	1.5		1.11
035310	D162853	40.3402	105.1400	0.0	N	11.9	12.1		50		700	1		2.14
035320	D162629	40.3365	105.1342	0.0	N	10.7	6.5		50		500	1.5		2.49
036110	D162161	40.3582	105.0092	0.0	N	12.9	7.1		30		700	1.5		1.45
036120	D162559	40.3536	105.0138	0.0	N	12.4	6.9		30		700	1		1.49
036410	D162202	40.3339	105.0115	0.0	N	13.9	5.7		20		700	1		1.14
036420	D162298	40.3286	105.0128	0.0	N	12.5	5.8		20		700	1		1.08
037110	D162957	40.3474	104.9283	0.0	N	11.6	0.1	L	20		700	1.5		1.87
037120	D162560	40.3486	104.9292	0.0	N	11.6	5.4		50		700	1		0.82
037310	D162485	40.3382	104.9494	0.0	N	9.9	5.3		20		700	1.5		0.94
037320A	D162244	40.3301	104.9460	0.0	N	12.4	5.9		20		700	1		1.52
037320B	D162801	40.3301	104.9460	0.0	N	12.3	8.9		50		1000	2		1.55
038210	D162715	40.3627	104.8483	0.0	N	8.5	4.1		20		1000	1		2.10
038220	D162220	40.3554	104.8504	0.0	N	8.9	2.8		0	N	1000	1		2.11
038310	D162453	40.3402	104.8492	0.0	N	11.4	4.5		30		1000	1		1.96
038320	D162596	40.3339	104.8507	0.0	N	10.8	4.9		30		1500	1.5		1.33
039310A	D162354	40.3415	104.7425	0.0	N	12.7	4.8		0	N	700	1.5		1.89
039310B	D162710	40.3415	104.7425	0.0	N	11.9	4.9		20		1000	2		2.43
039320	D162774	40.3390	104.7621	0.0	N	7.0	1.2		0	N	1000	0	N	0.37
039410	D162280	40.3290	104.7284	0.7		12.5	10.9		0	N	1000	1		1.33
039420	D162157	40.3345	104.7375	0.0	N	10.3	3.0		0	N	1000	1.5		1.12
040210	D162340	40.3621	104.6628	0.0	N	8.1	3.4		0	N	1000	1		0.66
040220	D162137	40.3630	104.6550	0.0	N	11.1	3.6		0	N	1000	1.5		1.25
040410	D162218	40.3339	104.6308	0.0	N	8.4	1.5			L	700	1		0.62
040420	D162820	40.3278	104.6295	0.0	N	8.9	2.1		0	N	1000	1		0.83
041110	D162372	40.2766	105.2943	0.0	N	14.0	3.6		0	N	500	1.5		3.89
041120	D162350	40.2865	105.2966	0.0	N	14.7	3.1			L	500	1.5		1.72
041410	D162612	40.2730	105.2988	0.0	N	13.8	3.0		0	N	500	1.5		1.92
041420	D162733	40.2577	105.2975	0.0	N	12.6	2.3		0	N	500	1.5		1.90
042110	D162356	40.2794	105.1976	0.0	N	12.4	7.9		30		700	1		3.04
042120	D162713	40.2895	105.1943	0.0	N	3.6	5.9		20		100	0	N	0.72
042310A	D162969	40.2725	105.2174	0.0	N	8.3	5.3		50		700	1		2.31
042310B	D162570	40.2725	105.2174	0.0	N	8.6	5.7		30		500	1		2.51
042320	D162743	40.2660	105.2199	0.0	N	11.1	1.0		20		500	1		0.42
043110A	D162185	40.2771	105.1141	0.0	N	11.5	7.2		30		700	1.5		1.81
043110B	D162470	40.2771	105.1141	0.0	N	11.6	6.9		30		700	1		1.89
043120	D162573	40.2798	105.0952	0.0	N	12.0	4.1		30		700	1.5		1.10
043410	D162440	40.2656	105.0976	0.0	N	12.1	5.6		30		700	1		1.97
043420	D162475	40.2581	105.1118	0.0	N	11.9	9.2		30		700	1		1.92
044310	D162441	40.2715	105.0270	0.0	N	10.3	6.7		30		1000	1		1.41
044320	D162928	40.2611	105.0311	0.0	N	11.7	8.9		20		700	1		1.72
044410	D162430	40.2590	105.0105	0.0	N	12.6	7.3		50		1000	2		3.10
044420	D162944	40.2662	105.0223	0.0	N	12.2	6.0		30		1000	1		0.95

Field ID	Lab. ID	N. Latitude	W. Longitude	Ag, ppm		Al2O3, %	As, ppm		B, ppm		Ba, ppm	Be, ppm		Tot. C, %
045110	D162861	40.2868	104.9093	0.0	N	12.0	12.4		30		1000	1.5		1.35
045120	D162679	40.2743	104.9212	0.0	N	11.5	4.9		20		700	1		0.77
045210	D162766	40.2748	104.9414	0.0	N	11.5	2.1		30		1000	1		1.23
045220	D162556	40.2877	104.9388	0.0	N	11.0	5.6		30		1000	1		1.62
046310	D162381	40.2563	104.8543	0.0	N	10.8	3.4			L	1000	1.5		3.60
046320	D162392	40.2670	104.8436	0.0	N	9.8	5.9		0	N	1000	1		1.65
046410	D162674	40.2652	104.8294	2.0		12.0	4.9		0	N	1000	1.5		2.14
046420	D162547	40.2681	104.8295	1.0		11.2	9.6			L	1500	1.5		1.44
047110	D162767	40.2838	104.7330	0.0	N	8.9	2.4		0	N	1000	1		0.55
047120	D162144	40.2803	104.7366	0.0	N	10.0	0.6		0	N	1000	1		0.48
047210	D162163	40.2777	104.7520	0.0	N	10.5	2.3		20		1000	1		1.60
047220	D162784	40.2885	104.7505	0.0	N	11.3	1.1		0	N	1000	1.5		1.33
048310	D162825	40.2665	104.6506	0.0	N	9.7	2.9		0	N	1000	1		1.41
048320A	D162592	40.2665	104.6480	0.0	N	10.1	2.9		20		1000	0	N	0.70
048320B	D162968	40.2665	104.6480	0.0	N	9.5		B	0	N	1000	1		0.92
048410	D162413	40.2700	104.6320	0.0	N	8.9	1.8		0	N	1000	0	N	1.72
048420	D162753	40.2609	104.6380	0.0	N	8.2	1.8		0	N	1000	0	N	0.82
049110	D162857	40.2019	105.2880	0.0	N	3.6	2.6		0	N	200	0	N	3.98
049120	D162305	40.2116	105.3031	0.0	N	12.8	4.6		0	N	700	3		1.82
049410A	D162884	40.1841	105.2844	0.0	N	12.2	6.7			L	500	1		2.14
049410B	D162893	40.1841	105.2844	0.0	N	11.1	4.6		20		700	1		2.22
049421	D162460	40.2010	105.2853	0.0	N	4.9	3.4		20		500	1		1.57
049422	D162867	40.2010	105.2853	0.0	N	4.9	0.1	L	0	N	300	0	N	2.15
050110	D162663	40.2040	105.2091	0.0	N	10.9	7.3		20		500	1		3.61
050120	D162866	40.2023	105.1962	0.0	N	12.0	5.8		50		1000	0	N	4.15
050210	D162382	40.2024	105.2160	0.0	N	13.1	2.7		0	N	700	2		2.45
050220	D162971	40.2093	105.2279	0.0	N	10.8	1.0		0	N	700	1		2.50
051110	D162941	40.2139	105.1173	0.0	N	11.3	6.5		20		700	1		1.06
051120	D162522	40.2175	105.1116	0.0	N	12.0	7.7		20		700	1		2.66
051211	D162459	40.2060	105.1302	3.0		12.5	7.1		30		1000	1		2.26
051212	D162609	40.2042	105.1280	2.0		12.5	7.3		30		1000	1		2.00
051220	D162241	40.2041	105.1280	0.0	N	12.9	5.7		20		700	1		1.28
052110	D162624	40.2193	105.0011	0.0	N	11.7	7.8		30		1000	1		1.20
052120	D162585	40.2077	105.0071	0.0	N	11.2	7.0		30		1000	1		1.66
052210	D162272	40.2049	105.0377	0.0	N	12.2	6.3		30		700	1		1.88
052220	D162878	40.2095	105.0366	0.0	N	11.3	8.1		50		700	1		1.75
053110	D162120	40.2086	104.9070	0.0	N	11.5	2.5		0	N	700	1.5		1.01
053120	D162888	40.2077	104.9176	0.0	N	10.8	7.4		20		700	1		1.68
053310	D162654	40.1951	104.9408	0.0	N	11.7	8.2		30		700	2		1.42
053320	D162121	40.2004	104.9339	0.0	N	10.0	7.6		20		700	1.5		1.48
054110	D162607	40.2185	104.8305	1.5		10.2	7.9		20		1500	1.5		1.41
054120	D162555	40.2139	104.8340	0.0	N	11.1	5.5		0	N	1000	1.5		1.08
054410	D162151	40.1844	104.8202	0.0	N	10.4	0.5		20		1000	1.5		0.64
054420	D162685	40.1962	104.8213	0.0	N	8.1	1.2			L	1000	1		1.88
055110	D162502	40.2092	104.7321	0.0	N	8.4	2.2		0	N	1000	0	N	0.74
055120	D162525	40.2075	104.7296	0.0	N	9.3	1.2			L	1000	1		0.38
055210	D162513	40.2023	104.7542	0.0	N	9.0	3.3		0	N	1000	0	N	0.24
055220	D162294	40.2028	104.7638	0.0	N	9.7	1.8		0	N	1000	1		0.31
056210	D162262	40.2036	104.6709	0.0	N	8.8	1.2		0	N	1000	1		0.47
056220	D162109	40.2137	104.6675	0.0	N	10.2	0.4		0	N	1000	0	N	1.44
056310	D162138	40.1858	104.6642	0.0	N	11.6	1.8		0	N	1000	1		0.72
056320A	D162935	40.1958	104.6595	0.0	N	9.2	1.2		0	N	1000	1		0.71
056320B	D162965	40.1958	104.6595	0.0	N	9.1	0.1	L	0	N	1000	1		1.02
057210	D162337	40.1425	105.3172	0.0	N	8.8	2.8			L	700	0	N	3.00
057220	D162544	40.1362	105.3133	0.0	N	6.7	3.4		20		700	1		5.38
057410	D162553	40.1289	105.2983	0.0	N	13.7	7.3		0	N	1000	2		1.22
057420	D162891	40.1217	105.2874	0.0	N	7.2	8.5			L	300	1		1.84
058111	D162610	40.1400	105.2110	0.0	N	14.0	10.3		50		1000	1.5		2.64
058112	D162446	40.1400	105.2110	0.0	N	13.5	10.5		50		1000	1.5		1.58
058120	D162678	40.1330	105.2100	0.0	N	13.7	7.8		50		700	2		2.34
058310	D162438	40.1175	105.2264	0.0	N	12.9	6.1		50		700	2		1.28
058320	D162897	40.1240	105.2136	0.0	N	13.2	7.3		50		700	1		1.44
059110	D162669	40.1425	105.0951	0.0	N	12.5	8.2		20		700	1.5		1.22
059120	D162963	40.1391	105.1090	0.0	N	14.5	6.9		20		1000	1.5		1.22
059310	D162752	40.1196	105.1371	0.0	N	12.9	5.3		50		1000	1		1.71

Field ID	Lab. ID	N. Latitude	W. Longitude	Ag, ppm	Al2O3, %	As, ppm	B, ppm	Ba, ppm	Be, ppm	Tot. C, %
059320	D162846	40.1177	105.1243	0.0 N	12.9	5.7	20	700	1	1.36
060210	D162682	40.1364	105.0246	0.0 N	13.5	2.8	L	1000	1	1.04
060220	D162313	40.1410	105.0446	0.0 N	10.8	4.3	20	1000	1	2.26
060310	D162333	40.1255	105.0398	0.0 N	13.2	7.8	20	700	1	1.95
060320	D162279	40.1254	105.0270	0.0 N	11.6	9.4	20	700	1	1.36
061110	D162623	40.1419	104.9083	0.0 N	10.3	2.0	0 N	1000	1	0.32
061120	D162481	40.1327	104.9166	0.0 N	8.8	2.1	0 N	1000	1	0.47
061310	D162845	40.1175	104.9308	0.0 N	10.5	2.7	0 N	1000	1	0.47
061320	D162600	40.1210	104.9328	0.0 N	10.9	3.4	20	1000	1.5	1.06
062110	D162959	40.1318	104.8297	1.5	12.3	0.3	0 N	1500	1.5	1.91
062120	D162270	40.1452	104.8156	0.0 N	11.7	4.6	0 N	1000	1	1.56
062410	D162367	40.1166	104.8207	1.0	11.2	7.1	0 N	1000	1.5	3.85
062420	D162647	40.1148	104.8226	0.0 N	13.3	7.9	20	1000	3	1.15
063210	D162863	40.1398	104.7641	0.0 N	10.1	1.9	0 N	1000	1	0.49
063220	D162808	40.1427	104.7455	0.0 N	10.2	2.1	0 N	1000	1	0.57
063410	D162882	40.1121	104.7338	0.0 N	9.5	1.7	20	700	0 N	0.67
063420	D162847	40.1128	104.7303	0.0 N	10.0	2.2	L	1000	1	0.50
064110	D162169	40.1430	104.6339	0.0 N	9.5	0.1 L	0 N	700	1	0.44
064120	D162405	40.1462	104.6429	0.0 N	7.4	1.8	0 N	1000	1	0.57
064410	D162171	40.1225	104.6328	0.0 N	9.0	0.1 L	0 N	1000	1	0.80
064420A	D162146	40.1207	104.6419	0.0 N	8.5	1.1	0 N	1000	1	0.42
064420B	D162730	40.1207	104.6419	0.0 N	8.8	1.2	0 N	700	1	0.54
065210	D162966	40.0695	105.3225	0.0 N	13.7	3.0	0 N	1000	1.5	2.95
065220	D162319	40.0676	105.3200	0.0 N	15.9	4.4	0 N	1000	1.5	2.79
065410	D162276	40.0461	105.3004	0.0 N	6.3	4.6	0 N	500	0 N	5.57
065420	D162145	40.0434	105.2921	0.0 N	10.7	1.5	20	1000	1	1.32
066210	D162370	40.0654	105.2263	0.0 N	11.5	6.0	30	700	1	3.42
066220	D162259	40.0654	105.2142	0.0 N	13.1	9.9	30	700	1	3.51
066410A	D162339	40.0554	105.1969	0.0 N	12.2	7.5	20	1000	1.5	2.10
066410B	D162373	40.0554	105.1969	0.0 N	14.0	5.8	20	1000	1.5	2.40
066420	D162640	40.0509	105.1969	0.0 N	13.0	6.3	30	1000	1	3.84
067110	D162613	40.0698	105.1075	0.0 N	11.5	8.8	30	1000	1	1.35
067120	D162428	40.0634	105.1087	0.0 N	12.0	5.1	20	1000	1.5	1.19
067310	D162434	40.0515	105.1390	0.0 N	10.5	5.3	20	1000	2	2.23
067320A	D162404	40.0555	105.1326	0.0 N	10.2	5.0	0 N	1000	1	0.98
067320B	D162660	40.0555	105.1325	0.0 N	10.5	4.4	20	700	1.5	1.02
068110	D162756	40.0582	105.0011	0.0 N	13.5	8.8	20	1000	1	2.27
068120	D162903	40.0672	105.0011	0.0 N	13.6	7.3	20	1000	1	0.85
068210	D162755	40.0609	105.0374	0.0 N	13.3	7.4	20	1000	1	0.95
068220A	D162196	40.0617	105.0421	0.0 N	12.0	7.2	20	700	1	1.35
068220B	D162895	40.0617	105.0421	0.0 N	12.2	7.0	20	700	1	1.38
069310A	D162622	40.0490	104.9470	0.0 N	12.6	6.9	30	700	1.5	1.05
069310B	D162950	40.0490	104.9470	0.0 N	12.5	B	20	1000	1.5	0.87
069320	D162814	40.0565	104.9502	0.0 N	12.2	8.7	L	1000	1.5	1.15
069410	D162792	40.0440	104.9203	0.0 N	13.1	7.7	20	700	1.5	1.02
069420	D162549	40.0526	104.9085	0.0 N	12.6	35.2	50	700	2	1.32
070210	D162512	40.0582	104.8519	0.0 N	13.3	9.2	20	700	1	1.56
070220	D162741	40.0644	104.8534	0.0 N	12.2	9.5	20	1000	1.5	1.69
070410	D162517	40.0498	104.8354	1.5	13.4	8.0	20	1000	2	3.76
070420	D162486	40.0408	104.8344	0.0 N	12.2	8.3	20	700	1.5	3.16
071310	D162140	40.0473	104.7574	0.0 N	10.1	2.1	0 N	1000	0 N	0.91
071320	D162964	40.0422	104.7482	0.0 N	9.2	0.1 L	0 N	1000	1	0.23
071410	D162790	40.0451	104.7375	0.0 N	8.5	1.9	0 N	1000	1	0.25
071420	D162727	40.0443	104.7375	0.0 N	9.2	1.6	0 N	1000	1	0.31
072110	D162648	40.0703	104.6378	0.0 N	12.7	5.2	20	700	1.5	0.97
072120	D162345	40.0722	104.6388	0.0 N	9.4	3.7	L	1000	1	2.54
072410	D162689	40.0495	104.6448	0.0 N	8.7	6.1	20	1000	1.5	0.78
072420	D162472	40.0549	104.6480	0.0 N	10.9	5.9	30	700	1	1.74
073110	D162407	39.9884	105.2881	0.0 N	12.7	8.1	0 N	1000	1.5	3.05
073120	D162722	39.9975	105.3022	0.0 N	14.2	3.7	0 N	1000	1.5	4.14
073310	D162495	39.9850	105.3203	0.0 N	13.7	5.4	0 N	1000	2	6.31
073320A	D162371	39.9805	105.3275	0.0 N	15.0	3.2	0 N	1000	1.5	2.52
073320B	D162409	39.9805	105.3275	0.0 N	14.8	5.3	0 N	1500	1.5	2.35
074310	D162391	39.9705	105.2259	0.0 N	13.0	5.0	0 N	1000	1	4.43
074320	D162602	39.9778	105.2199	0.0 N	13.1	4.6	0 N	1000	1.5	5.18

Field ID	Lab. ID	N. Latitude	W. Longitude	Ag, ppm		Al2O3, %	As, ppm		B, ppm		Ba, ppm	Be, ppm		Tot. C, %
074410	D162709	39.9815	105.1898	0.0	N	11.0	9.4		30		1000	1.5		2.15
074420A	D162508	39.9768	105.2095	0.0	N	11.2	3.6		0	N	1000	1		2.64
074420B	D162115	39.9768	105.2096	0.0	N	11.5	3.7		0	N	1000	1		2.57
075110A	D162934	39.9904	105.1020	0.0	N	11.1	6.0		0	N	1000	1		1.06
075110B	D162619	39.9903	105.1020	0.0	N	10.8	6.8		20		1000	1		1.15
075120	D162365	39.9861	105.1125	0.0	N	10.6	3.7		0	N	700	1		1.07
075210	D162768	39.9922	105.1196	0.0	N	11.0	3.0		0	N	1000	1		1.22
075220	D162926	39.9933	105.1360	0.0	N	10.2	4.1		0	N	1000	1		1.08
076310	D162514	39.9701	105.0435	0.0	N	12.9	6.5		30		500	1.5		0.98
076320A	D162224	39.9808	105.0364	0.0	N	12.5	10.1			L	1000	1.5		1.44
076320B	D162361	39.9808	105.0364	0.0	N	10.8	7.2			L	700	1		1.53
076410	D162461	39.9788	105.0139	0.0	N	10.7	6.6		20		700	1.5		1.03
076420	D162291	39.9744	105.0036	0.0	N	11.3	8.4		20		700	1.5		1.53
077210	D162892	39.9994	104.9445	0.0	N	11.2	7.9		20		700	1		2.14
077220	D162468	39.9932	104.9509	0.0	N	10.4	4.3			L	700	1		1.31
077310	D162248	39.9696	104.9527	0.0	N	11.1	2.0			L	700	1		1.36
077320	D162125	39.9858	104.9497	0.0	N	10.2	4.2		20		700	1.5		1.54
078210	D162410	40.0030	104.8557	0.0	N	10.0	8.3		0	N	700	1		1.45
078220	D162819	39.9959	104.8465	0.0	N	10.4	7.4		20		700	1		1.06
078310	D162127	39.9814	104.8537	0.0	N	9.8	5.7		30		700	1.5		1.43
078320A	D162630	39.9714	104.8430	1.5		14.4	14.7		30		1000	2		3.37
078320B	D162505	39.9714	104.8430	1.5		14.4	23.7			L	1000	1.5		3.80
079110	D162939	39.9921	104.7365	0.0	N	8.8	2.7		0	N	1000	0	N	0.42
079120	D162770	40.0029	104.7281	2.0		8.8	1.9		0	N	1000	1		0.43
079310A	D162908	39.9822	104.7565	0.0	N	8.9	3.2		0	N	700	0	N	0.32
079310B	D162321	39.9822	104.7565	0.0	N	7.2	7.7		0	N	700	1		0.18
079320	D162916	39.9714	104.7450	0.0	N	11.1	2.8		0	N	1000	1		0.59
080110	D162948	39.9858	104.6362	0.0	N	8.7	2.5		0	N	1000	0	N	0.24
080120	D162628	39.9993	104.6373	0.0	N	8.2	2.3		0	N	1000	1		0.46
080210	D162246	39.9948	104.6604	0.0	N	8.4	2.6		0	N	1000	1		0.90
080220	D162401	40.0025	104.6533	0.0	N	7.4	1.9		0	N	1000	1		0.59
081210	D162482	39.9306	105.3242	0.0	N	13.2	3.8		0	N	1000	2		1.66
081220	D162896	39.9312	105.3056	0.0	N	13.3	4.6		0	N	1000	1		1.52
081410	D162528	39.9028	105.2856	0.0	N	9.0	13.1		0	N	1000	1		6.77
081420A	D162881	39.9001	105.2925	0.0	N	6.9	5.8		0	N	500	0	N	8.73
081420B	D162469	39.9001	105.2925	0.0	N	7.2	4.3			L	700	1		9.15
082210	D162802	39.9172	105.2294	0.0	N	10.2	7.6		20		700	1		3.78
082220	D162744	39.9182	105.2316	0.0	N	9.4	6.1		20		1000	1		4.68
082410	D162750	39.9029	105.1884	0.0	N	8.9	3.8		20		700	1		3.04
082420	D162231	39.9057	105.2035	0.0	N	9.2	2.3		0	N	700	1		4.12
083110	D162548	39.9201	105.1053	0.0	N	10.3	11.1		30		700	1		1.62
083120	D162735	39.9200	105.1007	0.0	N	9.0	8.2		20		500	1		1.42
083310	D162263	39.9121	105.1236	0.0	N	11.4	6.5		20		700	1		1.60
083320	D162182	39.9077	105.1345	0.0	N	12.4	5.7		20		1000	1.5		1.44
084310	D162330	39.8998	105.0422	0.0	N	8.1	4.5			L	500	1		1.55
084320	D162909	39.8960	105.0389	0.0	N	7.8	9.1		0	N	700	1		0.71
084410A	D162899	39.9068	105.0060	0.0	N	11.5	10.0		20		700	1		4.28
084410B	D162989	39.9068	105.0060	1.0		11.1	6.7		20		1000	1		4.12
064420	D162806	39.9033	105.0223	0.0	N	9.4	6.0		0	N	700	1		1.67
085210	D162436	39.9249	104.9442	0.0	N	9.5	7.0		20		1000	1.5		1.11
085220	D162656	39.9167	104.9348	0.0	N	9.1	7.7		20		500	1		1.65
085310	D162176	39.8962	104.9473	0.0	N	11.3	2.8		20		700	1		1.09
085320	D162593	39.9007	104.9323	0.0	N	9.1	7.0		50		700	1.5		0.83
086310	D162243	39.8983	104.8550	0.0	N	9.5	3.0		0	N	1000	1		0.85
086320A	D162402	39.9111	104.8456	0.0	N	10.1	3.1		0	N	1500	1		0.95
086320B	D162835	39.9111	104.8456	0.0	N	10.9	0.8		20		1000	1		0.96
086410	D162918	39.8961	104.8163	0.0	N	11.9	5.1		20		1000	1		1.87
086420	D162451	39.9048	104.8338	0.0	N	9.1	1.7		0	N	1500	1		0.68
087110A	D162657	39.9183	104.7253	0.0	N	8.8	2.5		0	N	700	1.5		0.54
087110B	D162172	39.9183	104.7253	0.0	N	9.2	0.4		0	N	1000	1		0.60
087120	D162812	39.9290	104.7405	0.0	N	9.2	2.7		0	N	1000	1		0.36
087210	D162794	39.9190	104.7438	0.0	N	8.8	3.1		0	N	1000	1		0.24
087220	D162943	39.9172	104.7567	0.0	N	9.7	2.9		0	N	1500	1		0.45
088110	D162972	39.9259	104.6313	0.0	N	10.6	0.1	L	0	N	1000	1		1.07
088120	D162499	39.9216	104.6315	0.0	N	8.1	4.7		0	N	1000	0	N	0.30

Field ID	Lab. ID	N. Latitude	W. Longitude	Ag, ppm		Al2O3, %	As, ppm		B, ppm		Ba, ppm	Be, ppm		Tot. C, %
088410A	D162780	39.9017	104.6465	0.0	N	8.4	4.5		0	N	1000	1		0.44
088410B	D162572	39.9017	104.6465	0.0	N	8.2	2.8		20		700	1		0.31
088420	D162848	39.9026	104.6487	0.0	N	8.6	2.8			L	1000	1		0.47
089110	D162208	39.8541	105.3036	0.0	N	12.5	1.6		0	N	700	1		2.51
089120	D162269	39.8550	105.2877	0.0	N	13.8	6.3		0	N	1500	1.5		3.61
089410	D162256	39.8282	105.3033	0.0	N	13.4	2.8		50		500	1		3.35
089420	D162601	39.8236	105.2979	0.0	N	12.9	4.1		50		700	3		1.63
090210	D162791	39.8488	105.2116	0.0	N	7.8	9.6			L	500	1		3.28
090220	D162192	39.8471	105.2198	0.0	N	10.5	3.8		20		700	1		2.88
090310	D162311	39.8316	105.2162	0.0	N	8.8	9.4		20		700	1		2.71
090320	D162129	39.8370	105.2194	0.0	N	10.3	9.0		0	N	500	1.5		3.82
091110	D162254	39.8432	105.0994	0.0	N	9.7	6.9		20		700	1		2.09
091120	D162226	39.8525	105.1115	0.0	N	10.0	5.7		0	N	700	1		2.60
091210A	D162886	39.8456	105.1184	0.0	N	9.9	6.1		20		500	1		4.02
091210B	D162379	39.8456	105.1184	0.0	N	10.5	4.2			L	700	1		4.16
091220	D162285	39.8453	105.1358	0.0	N	10.5	6.6		20		700	1		1.31
092311	D162723	39.8346	105.0392	0.0	N	10.9	7.8		30		1000	1		4.39
092312	D162832	39.8346	105.0392	1.0		11.3	9.7		20		1000	1.5		2.45
092320	D162639	39.8240	105.0408	0.0	N	12.7	7.5		30		700	1		1.42
092410	D162690	39.8282	105.0138	0.5		3.6	9.6		20		700	1		2.46
092420	D162749	39.8309	105.0009	0.0	N	12.5	5.1		30		500	1		0.50
093310	D162672	39.8386	104.9498	0.0	N	10.7	4.7			L	1000	1		1.08
093320	D162504	39.8359	104.9343	0.0	N	10.8	2.5		0	N	1000	1		0.48
093410	D162297	39.8336	104.9088	0.0	N	9.7	7.2		0	N	1000	5		1.54
093420	D162477	39.8294	104.9295	0.0	N	8.1	2.7		0	N	1000	1		1.81
094110A	D162281	39.8573	104.8304	0.0	N	12.0	2.8		20		1000	1		1.12
094110B	D162435	39.8573	104.8304	0.0	N	11.2	4.9		20		1000	1.5		1.08
094120	D162432	39.8590	104.8266	0.0	N	10.0	3.3			L	1000	1.5		1.03
094410	D162684	39.8240	104.8258	0.0	N	9.5	13.1			L	1000	1		0.76
094420	D162320	39.8293	104.8360	0.0	N	10.8	4.3		0	N	1000	1		0.65
095110A	D162885	39.8522	104.7320	0.0	N	10.8	5.8		20		700	1		1.33
095110B	D162536	39.8522	104.7320	0.0	N	11.8	7.1		20		1000	1.5		1.51
095120	D162393	39.8430	104.7295	0.0	N	13.2	8.3		20		1000	1		1.25
095410	D162395	39.8324	104.7230	0.0	N	13.7	5.1		30		1000	1		1.21
095421	D162293	39.8334	104.7417	0.0	N	13.1	6.4		20		1000	1.5		0.96
095422	D162708	39.8334	104.7417	0.0	N	11.6	4.6		0	N	1000	0	N	1.28
096110	D162188	39.8420	104.6367	0.0	N	12.5	4.1		20		1000	1.5		1.40
096120	D162312	39.8547	104.6449	0.0	N	11.9	0.1	L	20		700	1		1.56
096310A	D162757	39.8393	104.6716	0.0	N	11.6	5.9		50		700	1		1.01
096310B	D162636	39.8393	104.6716	0.0	N	12.5	7.3		50		500	1		1.11
096320	D162282	39.8277	104.6589	0.0	N	11.6	6.0		20		1000	1		0.96
097110	D162673	39.7747	105.2954	0.0	N	15.6	6.3		100		200	7		2.38
097120A	D162136	39.7755	105.2991	0.0	N	13.4	2.9		0	N	500	2		1.54
097120B	D162156	39.7755	105.2991	0.0	N	12.8	2.4		0	N	500	1.5		1.60
097210	D162173	39.7827	105.3245	0.0	N	14.3	1.9		30		500	1.5		2.82
097220	D162323	39.7861	105.3048	0.0	N	13.2	2.4		70		500	1.5		0.97
098210	D162953	39.7811	105.2183	0.0	N	13.8		B	0	N	1000	1.5		1.40
098220	D162758	39.7829	105.2149	0.0	N	13.8	6.5		0	N	1000	1.5		2.10
098310	D162803	39.7557	105.2232	1.0		14.4	10.3		0	N	1000	1.5		1.58
098320A	D162664	39.7613	105.2150	0.0	N	12.5	14.4		20		1000	1.5		2.85
098320B	D162439	39.7613	105.2150	0.0	N	11.8	12.2		20		1000	1.5		2.65
099110	D162271	39.7796	105.1026	0.7		13.0	8.1		0	N	1000	1		1.59
099120	D162661	39.7824	105.1093	0.0	N	11.2	5.9			L	1000	1		2.94
099210	D162688	39.7799	105.1203	1.5		11.0	16.3		0	N	1000	1		2.87
099220	D162464	39.7823	105.1229	5.0		14.3	28.9			L	1000	2		4.15
100210	D162668	39.7732	105.0363	0.0	N	9.3	4.4		20		1000	1		1.94
100220	D162191	39.7832	105.0259	0.0	N	10.9	5.9		20		1000	0	N	1.94
100310	D162195	39.7636	105.0284	0.5		11.1	20.4		0	N	1000	1		3.81
100320	D162936	39.7580	105.0245	0.0	N	12.0	26.0		0	N	1000	1		1.81
101210	D162431	39.7842	104.9348	0.0	N	10.0	3.0		0	N	1000	2		0.75
101220A	D162634	39.7857	104.9538	1.5		9.3	5.5		30		1500	1		4.74
101220B	D162154	39.7857	104.9538	2.0		10.0	4.2		30		1000	1		5.09
101310	D162541	39.7643	104.9342	1.0		10.7	7.9		0	N	1000	1.5		2.00
101320	D162645	39.7527	104.9363	0.0	N	11.4	17.2		20		1000	1		3.62
102110	D162637	39.7702	104.8281	0.0	N	8.4	2.5		20		1000	0	N	3.59

Field ID	Lab. ID	N. Latitude	W. Longitude	Ag, ppm		Al2O3, %	As, ppm	B, ppm		Ba, ppm	Be, ppm		Tot. C, %
102120	D162568	39.7761	104.8306	0.0	N	8.9	4.8	0	N	1000	0	N	0.74
102410	D162309	39.7598	104.8182	0.0	N	6.4	1.1	0	N	1000	0	N	0.19
102420	D162478	39.7689	104.8191	0.0	N	9.8	4.2	0	N	1000	1		1.30
103310	D162707	39.7685	104.7631	0.0	N	11.9	6.8	20		1000	1		0.99
103320	D162680	39.7534	104.7504	0.0	N	12.2	3.9		L	1000	1		0.81
103410	D162336	39.7679	104.7314	0.0	N	6.8	1.3	0	N	1000	0	N	0.62
103420A	D162353	39.7560	104.7279	0.0	N	11.2	4.6	20		1000	1		0.99
103420B	D162729	39.7560	104.7279	0.0	N	11.2	5.4	20		1000	1		1.04
104310	D162213	39.7515	104.6557	0.0	N	12.8	5.9		L	1000	1.5		1.05
104320	D162675	39.7558	104.6512	0.0	N	12.5	5.1	20		1000	1		0.85
104410A	D162387	39.7657	104.6337	0.0	N	10.5	4.9		L	1000	1.5		0.93
104410B	D162349	39.7657	104.6337	0.0	N	11.3	5.3	20		1000	1		2.39
104421	D162611	39.7675	104.6439	0.0	N	13.2	5.8	20		1000	1.5		0.88
104422	D162841	39.7675	104.6439	0.0	N	11.1	7.3	20		700	1.5		0.63
105310	D162951	39.6797	105.3059	0.0	N	12.8	1.1	0	N	1000	1		2.11
105320	D162797	39.6819	105.3161	0.0	N	11.8	2.6	0	N	700	1		2.28
105411	D162473	39.6885	105.2855	0.0	N	11.8	2.0	0	N	500	1.5		1.59
105412	D162913	39.6885	105.2855	0.0	N	11.6	2.2	0	N	500	1.5		2.08
105420	D162442	39.6929	105.2998	0.0	N	10.3	2.1	0	N	1000	1		1.56
106110	D162793	39.7146	105.1891	0.0	N	11.5	6.7	0	N	700	1		2.33
106120	D162855	39.7057	105.1878	0.0	N	12.3	6.8	0	N	700	1		1.51
106410	D162620	39.6939	105.1950	0.0	N	12.0	9.3	50		700	1		1.43
106420	D162394	39.6821	105.1974	0.0	N	7.0	5.1	50		500	0	N	2.08
107110	D162118	39.7111	105.1049	0.0	N	15.6	9.1	0	N	1000	1		2.66
107120	D162288	39.7019	105.0984	0.0	N	14.9	6.1	0	N	1000	1		1.93
107410	D162386	39.6814	105.1094	0.0	N	14.9	2.9	0	N	1000	1.5		1.44
107420	D162658	39.6818	105.1146	0.0	N	15.3	4.0	0	N	700	1.5		2.33
108210	D162591	39.7119	105.0447	0.0	N	13.5	4.5	30		1500	1		2.34
108220	D162681	39.7132	105.0366	0.0	N	13.5	5.7	0	N	1500	1		4.34
108310	D162711	39.6944	105.0313	0.0	N	12.7	12.2	20		1500	1		2.56
108320	D162618	39.6882	105.0381	0.0	N	12.5	9.3	0	N	1500	1		2.62
109110	D162496	39.7083	104.9161	0.0	N	7.8	1.7	0	N	1000	1		0.50
109120	D162852	39.7058	104.9150	0.0	N	9.6	2.2	0	N	1000	0	N	0.69
109210	D162873	39.7016	104.9530	1.0		11.6	4.1	0	N	1000	1.5		1.79
109220	D162255	39.7010	104.9345	0.0	N	11.2	8.4	0	N	1000	1		0.91
110211	D162177	39.7075	104.8414	0.0	N	11.7	2.3	20		1500	1		0.64
110212	D162564	39.7075	104.8414	0.0	N	10.0	3.5	20		1000	1		0.85
110220	D162375	39.7050	104.8401	0.0	N	13.3	5.9	0	N	1000	1		1.25
110410	D162912	39.6888	104.8217	0.0	N	8.5	3.9	0	N	1000	0	N	0.16
110420	D162737	39.6966	104.8300	0.0	N	10.1	2.3		L	1500	1		0.63
111110	D162805	39.7109	104.7362	0.0	N	10.5	4.3	150		1000	1.5		0.91
111120A	D162616	39.6983	104.7293	0.0	N	13.1	6.8	20		1000	1		1.10
111120B	D162380	39.6983	104.7293	0.0	N	12.1	5.2	0	N	1000	1		1.58
111310	D162563	39.6848	104.7553	0.0	N	11.3	4.9	0	N	1500	1		1.10
111320	D162331	39.6814	104.7468	0.0	N	17.5	3.2		L	1000	1.5		0.91
112110	D162813	39.7035	104.6357	0.0	N	7.6	3.8	50		1000	1		0.72
112120	D162175	39.7063	104.6299	0.0	N	10.7	2.5	20		1000	1		1.12
112210	D162216	39.7000	104.6675	0.0	N	7.6	1.6	0	N	1000	0	N	0.70
112220	D162869	39.7044	104.6593	0.0	N	9.4	4.4	20		1000	1		1.62
113110A	D162491	39.6377	105.2994	0.0	N	12.1	4.4	0	N	1000	1.5		2.50
113110B	D162652	39.6377	105.2994	0.0	N	12.7	3.9	0	N	1000	2		2.60
113120	D162193	39.6336	105.2891	0.0	N	13.2	2.0	0	N	1000	1		1.52
113410	D162798	39.6163	105.2982	0.0	N	13.2	3.3	0	N	1000	1		2.74
113420	D162701	39.6192	105.2830	0.0	N	9.9	3.3	0	N	1000	1.5		2.20
114110	D162530	39.6374	105.1913	0.0	N	12.4	7.7	0	N	1000	1.5		0.77
114120	D162500	39.6345	105.2005	0.0	N	11.5	7.8	0	N	700	1.5		1.30
114210	D162535	39.6381	105.2239	0.0	N	12.3	4.3	0	N	500	3		1.80
114220	D162335	39.6289	105.2263	0.0	N	14.0	4.2	0	N	1000	1.5		2.23
115110	D162133	39.6262	105.1105	0.0	N	10.0	4.8	20		700	1		1.63
115120	D162399	39.6291	105.1131	0.0	N	9.7	6.1	30		700	1		1.71
115310	D162189	39.6192	105.1247	0.0	N	12.6	8.7	30		700	1.5		1.84
115320	D162626	39.6167	105.1352	0.0	N	10.8	11.2	30		700	1		2.47
116110	D162314	39.6409	105.0034	0.0	N	11.1	3.6	0	N	1000	1		0.71
116120	D162651	39.6274	105.0165	0.0	N	14.1	3.1	0	N	1500	3		0.91
116410	D162245	39.6104	105.0230	0.0	N	11.6	2.6	0	N	1500	1		1.38

Field ID	Lab. ID	N. Latitude	W. Longitude	Ag, ppm	Al2O3, %	As, ppm	B, ppm	Ba, ppm	Be, ppm	Tot. C, %
116420	D162949	39.6196	105.0184	0.0 N	12.1	0.1 L	L	1000	2	2.30
117110	D162581	39.6421	104.9257	0.0 N	13.3	4.7	20	1000	1.5	1.20
117120	D162843	39.6356	104.9219	0.0 N	15.6	7.7	20	700	1.5	1.07
117410A	D162580	39.6138	104.9114	0.0 N	13.3	6.0	20	700	1	1.44
117410B	D162546	39.6138	104.9114	0.0 N	13.0	6.1	30	1000	1	1.45
117420	D162933	39.6212	104.9183	0.0 N	13.0	5.3	0 N	1000	1	0.62
118110	D162493	39.6356	104.8243	0.0 N	7.1	2.0	0 N	1000	0 N	0.39
118120	D162200	39.6374	104.8161	0.0 N	9.7	0.4	0 N	1000	1	1.61
118410	D162691	39.6110	104.8250	0.0 N	15.6	1.7	0 N	1000	1	2.57
118420	D162187	39.6110	104.8181	0.0 N	10.5	1.8	20	1000	1.5	1.60
119110	D162444	39.6255	104.7368	0.0 N	12.6	4.6	20	1000	1.5	1.57
119120	D162462	39.6299	104.7308	0.0 N	12.1	4.2	20	1500	1.5	1.80
119410	D162557	39.6137	104.7285	0.0 N	10.9	7.7	20	1000	1	1.28
119420	D162920	39.6109	104.7378	0.0 N	10.8	4.5	0 N	1000	1	0.93
120210	D162565	39.6413	104.6527	0.0 N	12.1	7.7	20	1000	2	1.52
120220	D162155	39.6377	104.6553	0.0 N	12.6	4.9	20	1000	1	1.43
120410	D162397	39.6074	104.6504	0.0 N	10.2	6.2	L	1000	1	1.44
120420	D162360	39.6234	104.6375	0.0 N	10.2	4.9	20	1000	1	2.18
121110	D162739	39.5563	105.2003	0.0 N	15.0	2.4	0 N	1000	1	1.14
121120	D162150	39.5580	105.1966	0.0 N	11.9	2.0	0 N	700	0 N	1.83
121210	D162642	39.5679	105.2196	0.0 N	13.4	4.4	0 N	700	1.5	4.01
121220A	D162520	39.5672	105.2106	0.0 N	12.7	5.7	0 N	1000	5	2.92
121220B	D162567	39.5672	105.2106	0.0 N	13.7	6.8	0 N	1500	3	3.13
122110	D162721	39.5661	105.1105	0.0 N	8.0	3.8	0 N	1000	1	1.45
122120	D162590	39.5709	105.1128	0.0 N	11.1	10.7	30	1000	0 N	1.55
122310A	D162821	39.5400	105.1209	0.0 N	3.7	3.9	0 N	200	0 N	2.79
122310B	D162670	39.5401	105.1200	0.0 N	3.5	3.2	0 N	150	0 N	2.76
122320	D162704	39.5517	105.1372	0.0 N	8.4	2.5	20	700	0 N	0.94
123310	D162166	39.5510	105.0280	0.0 N	9.0	2.0	0 N	1000	1	0.80
123320	D162605	39.5507	105.0446	0.0 N	8.8	1.7	0 N	1500	1	2.05
123410	D162783	39.5482	105.0141	0.0 N	8.1	2.1	0 N	1000	0 N	1.89
123420	D162858	39.5474	105.0222	0.0 N	8.5	2.4	0 N	1000	0 N	0.64
124110	D162247	39.5643	104.9150	0.0 N	11.1	6.9	0 N	1000	1	1.42
124120	D162168	39.5626	104.9289	0.0 N	11.6	6.2	L	1000	0 N	1.60
124210	D162253	39.5690	104.9523	0.0 N	12.7	7.3	20	1000	1	2.04
124220	D162422	39.5680	104.9336	0.0 N	12.6	3.6	0 N	1000	1	1.71
125310	D162910	39.5361	104.8406	0.0 N	13.5	6.7	0 N	1000	1.5	0.90
125320	D162141	39.5437	104.8566	0.0 N	12.4	2.0	0 N	1500	1	0.92
125410	D162598	39.5400	104.8312	0.0 N	11.5	5.0	20	1000	1.5	1.28
125420	D162378	39.5412	104.8368	0.0 N	11.6	3.9	L	1000	1	1.13
126110	D162687	39.5569	104.7322	0.0 N	11.9	4.1	L	1000	1	2.58
126120	D162184	39.5696	104.7367	0.0 N	11.3	3.3	L	1000	1	1.10
126210	D162521	39.5594	104.7532	0.0 N	10.4	4.2	20	700	1	0.94
126220	D162229	39.5577	104.7556	0.0 N	10.3	1.3	0 N	1000	1	1.41
127210	D162206	39.5624	104.6670	0.0 N	12.5	2.1	0 N	1000	1	1.21
127220	D162712	39.5696	104.6705	0.0 N	11.8	7.6	20	1000	1.5	1.50
127410	D162117	39.5415	104.6300	0.0 N	13.2	1.9	0 N	1000	2	1.12
127420	D162234	39.5523	104.6299	0.0 N	12.8	1.9	0 N	700	1.5	1.35
128310	D162787	39.4687	105.2196	0.0 N	13.1	3.0	50	500	1.5	3.65
128320	D162374	39.4705	105.2149	0.0 N	12.1	2.2	0 N	1000	1	1.80
128410	D162627	39.4778	105.2014	0.0 N	15.1	2.9	0 N	1000	1	0.30
128420	D162210	39.4659	105.2034	0.0 N	13.3	2.7	0 N	1500	2	2.80
129110	D162419	39.4897	105.0997	0.0 N	10.7	3.9	L	1000	1	0.94
129120	D162947	39.4977	105.1067	0.0 N	12.0	4.1	0 N	1500	1	1.61
129410A	D162720	39.4717	105.1150	0.0 N	11.8	3.7	0 N	1500	1.5	0.60
129410B	D162485	39.4717	105.1150	0.0 N	13.4	3.1	0 N	1500	2	1.58
129420	D162574	39.4639	105.0942	0.0 N	14.1	3.2	0 N	700	2	1.00
130110	D162217	39.4824	105.0141	0.0 N	12.3	4.3	L	1000	1	1.30
130120A	D162126	39.4897	105.0161	0.0 N	10.5	1.5	0 N	1000	1.5	1.18
130120B	D162329	39.4897	105.0161	0.0 N	9.6	3.4	0 N	1000	1	1.15
130410	D162152	39.4718	105.0033	0.0 N	9.5	0.5	0 N	1500	1	0.70
130420	D162348	39.4762	105.0105	0.0 N	10.3	2.7	L	1000	1	1.77
131210	D162479	39.4914	104.9359	0.0 N	8.8	1.5	0 N	1000	1.5	0.75
131220	D162408	39.4823	104.9499	0.0 N	11.5	3.0	0 N	1500	1.5	1.44
131310	D162497	39.4662	104.9440	0.0 N	8.3	1.0	0 N	1000	1.5	0.54

Field ID	Lab. ID	N. Latitude	W. Longitude	Ag, ppm	Al2O3, %	As, ppm	B, ppm	Ba, ppm	Be, ppm	Tot. C, %
131320	D162815	39.4798	104.9336	0.0 N	14.5	5.8	0 N	700	3	0.46
132210	D162724	39.4977	104.8452	0.0 N	12.2	8.7	20	1000	1.5	1.13
132220	D162284	39.4822	104.8600	0.0 N	13.1	9.2	20	1000	1.5	1.02
132410A	D162706	39.4771	104.8151	0.0 N	13.0	7.2	L	1000	1.5	1.62
132410B	D162631	39.4771	104.8150	0.0 N	12.4	8.6	20	700	1.5	1.55
132420	D162498	39.4649	104.8210	0.0 N	11.1	3.7	20	1500	1.5	1.57
133110	D162111	39.4973	104.7382	0.0 N	11.8	2.9	20	1000	1.5	1.83
133120	D162258	39.4982	104.7312	0.0 N	10.1	3.4	0 N	1000	1	0.64
133310	D162113	39.4732	104.7547	0.0 N	10.7	2.4	0 N	700	1.5	4.97
133320	D162178	39.4758	104.7491	0.0 N	11.7	1.8	0 N	1000	1	1.92
134210	D162159	39.4870	104.6605	0.0 N	11.2	0.1 L	0 N	1000	1	1.00
134220	D162742	39.4851	104.6524	0.0 N	11.5	2.7	0 N	1000	1	0.73
134310	D162427	39.4654	104.6548	0.0 N	9.1	5.3	0 N	1000	1	1.15
134320	D162578	39.4791	104.6733	0.0 N	13.8	2.5	0 N	1000	2	1.72
135210A	D162364	39.4111	105.2300	0.0 N	12.7	3.6	0 N	700	3	2.10
135210B	D162455	39.4110	105.2300	0.0 N	13.6	3.5	30	700	1.5	2.12
135220	D162868	39.4192	105.2114	0.0 N	12.2	3.1	0 N	1000	3	5.20
135410	D162148	39.3958	105.2009	0.0 N	13.7	1.1	0 N	1000	7	1.07
135420	D162214	39.4021	105.2057	0.0 N	12.1	4.2	0 N	1000	5	1.40
136110	D162471	39.4122	105.1066	0.0 N	13.6	3.5	0 N	1000	1	2.79
136120	D162162	39.4204	105.0938	0.0 N	12.4	5.1	0 N	1000	1	4.00
136410	D162358	39.4015	105.0994	0.0 N	13.0	2.8	0 N	700	1	4.19
136420	D162807	39.3932	105.1066	0.0 N	11.1	5.4	0 N	1000	2	4.85
137310	D162566	39.4076	105.0336	0.0 N	13.3	13.6	30	700	1.5	2.37
137320	D162357	39.4086	105.0344	0.0 N	12.1	8.7	30	500	1	3.05
137410	D162606	39.4076	105.0138	0.0 N	9.7	1.6	0 N	1500	1	0.43
137420	D162804	39.4083	105.0108	0.0 N	12.6	4.2	0 N	1000	2	0.70
138210A	D162351	39.4220	104.9500	0.0 N	10.8	3.8	0 N	1500	1	1.20
138210B	D162726	39.4220	104.9500	0.7	10.3	3.8	0 N	1000	1.5	1.24
138220	D162426	39.4211	104.9478	0.0 N	11.1	2.2	0 N	1000	1.5	0.61
138410	D162839	39.3995	104.9299	0.0 N	10.4	2.5	L	1500	2	0.34
138420	D162403	39.3977	104.9245	0.0 N	11.2	3.0	0 N	1500	1	1.05
139210	D162718	39.4228	104.8580	0.0 N	11.3	2.0	0 N	1500	2	1.72
139220A	D162385	39.4193	104.8546	0.0 N	11.6	4.2	0 N	1000	1.5	1.48
139220B	D162579	39.4193	104.8546	0.0 N	13.0	5.9	20	1000	1.5	1.36
139410	D162167	39.4038	104.8234	0.0 N	13.4	1.4	0 N	1000	2	0.60
139420	D162777	39.4041	104.8304	0.0 N	13.6	4.8	0 N	1000	2	1.30
140110	D162223	39.4252	104.7363	0.0 N	13.7	1.6	0 N	1000	1.5	1.50
140120	D162205	39.4243	104.7271	0.0 N	8.4	0.2	0 N	1000	0 N	0.82
140310	D162142	39.4082	104.7502	0.0 N	10.8	0.5	0 N	1000	1	0.80
140320	D162376	39.4047	104.7653	0.0 N	9.1	0.9	0 N	1000	1	2.64
141210	D162286	39.4133	104.6632	0.0 N	12.3	4.1	0 N	700	1.5	0.56
141220	D162186	39.4232	104.6562	0.0 N	10.1	2.8	L	1000	1.5	1.10
141410	D162437	39.4079	104.6481	0.0 N	11.3	4.4	20	1000	2	2.16
141420A	D162785	39.3913	104.6402	0.0 N	13.1	4.6	0 N	1000	1.5	1.32
141420B	D162800	39.3913	104.6402	0.0 N	12.6	6.6	20	1000	2	1.34
142310	D162452	39.3217	104.9453	0.0 N	10.8	1.0	0 N	1000	3	0.81
142320	D162927	39.3226	104.9418	0.0 N	11.0	2.4	0 N	1000	1	1.32
142410	D162308	39.3195	104.9094	0.0 N	11.9	3.4	0 N	1000	1	1.41
142420A	D162537	39.3301	104.9141	0.0 N	8.7	2.2	0 N	1000	0 N	1.81
142420B	D162139	39.3301	104.9141	0.0 N	8.4	0.5	0 N	1000	0 N	1.15
143210	D162604	39.3471	104.8615	0.0 N	11.3	3.0	0 N	1500	1	1.73
143220	D162594	39.3445	104.8484	0.0 N	12.1	3.8	L	1000	3	1.19
143310	D162383	39.3220	104.8528	0.0 N	10.1	1.4	0 N	1000	1	1.96
143320	D162326	39.3195	104.8482	0.0 N	9.9	1.9	0 N	1000	1	5.90
144310	D162666	39.3361	104.7573	0.0 N	11.6	3.2	0 N	1000	2	1.12
144320	D162589	39.3193	104.7562	0.0 N	12.4	5.7	0 N	1500	2	2.78
144410	D162614	39.3225	104.7379	0.0 N	11.6	4.8	20	1500	1.5	1.47
144420	D162856	39.3359	104.7341	0.0 N	11.4	4.8	20	1000	1.5	2.11
145210	D162874	39.3457	104.6659	0.0 N	13.2	3.4	0 N	1000	1.5	1.97
145220	D162112	39.3439	104.6621	0.0 N	11.6	2.2	0 N	1000	1	0.96
145410	D162510	39.3239	104.6413	0.0 N	14.1	3.3	0 N	700	2	1.83
145420	D162824	39.3187	104.6414	0.0 N	12.4	0.1 L	0 N	1500	1.5	1.34
146110	D162147	39.2805	104.9096	0.0 N	6.2	0.9	0 N	700	0 N	3.40
146120	D162545	39.2724	104.9120	0.0 N	9.8	2.3	L	1500	1.5	1.55

Field ID	Lab. ID	N. Latitude	W. Longitude	Ag, ppm		Al2O3, %	As, ppm		B, ppm		Ba, ppm	Be, ppm		Tot. C, %
146210	D162831	39.2723	104.9349	0.0	N	10.7	1.6			L	1000	1		2.05
146220	D162650	39.2797	104.9531	0.0	N	8.0	1.3		0	N	1000	0	N	1.11
147110	D162338	39.2652	104.8180	0.0	N	13.2	2.3		0	N	1500	2		1.05
147120	D162554	39.2723	104.8191	0.0	N	11.4	3.5		0	N	1000	1.5		1.05
147410	D162919	39.2533	104.8294	0.0	N	14.1	4.0		0	N	1000	1.5		0.67
147420	D162275	39.2642	104.8226	0.0	N	12.0	3.0		0	N	1000	1.5		1.06
148110	D162761	39.2820	104.7289	0.0	N	11.4	7.3		0	N	1500	1.5		1.13
148120	D162817	39.2784	104.7439	0.0	N	8.8	2.9		0	N	1500	2		1.53
148210	D162268	39.2693	104.7508	0.0	N	12.4	3.7		0	N	1000	1		1.76
148220	D162507	39.2701	104.7460	0.0	N	11.9	5.2		0	N	1500	1.5		1.66
149110A	D162119	39.2690	104.6383	0.0	N	13.2	2.8		0	N	1000	2		2.50
149110B	D162398	39.2690	104.6383	0.0	N	12.7	4.8			L	1000	1.5		2.25
149120	D162518	39.2671	104.6488	0.0	N	12.0	1.0		0	N	1500	1.5		1.65
149310	D162734	39.2487	104.6662	0.0	N	11.1	2.7		0	N	1000	1.5		1.39
149320	D162352	39.2471	104.6709	0.0	N	13.4	3.5		0	N	1000	1.5		1.17
150210	D162921	39.2075	104.9499	0.0	N	5.9	3.9		0	N	500	1		2.29
150220A	D162252	39.1976	104.9338	0.0	N	11.7	5.1		0	N	1500	2		4.83
150220B	D162230	39.1976	104.9338	0.0	N	10.8	4.3		0	N	1500	3		4.66
150310	D162355	39.1785	104.9512	0.0	N	12.2	5.0		0	N	1000	3		2.84
150320	D162240	39.1796	104.9317	0.0	N	11.0	22.6		0	N	1000	5		1.49
151110	D162834	39.1949	104.8353	0.0	N	11.3	0.8		0	N	1500	1		0.67
151120	D162786	39.2076	104.8249	0.0	N	10.6	4.5		0	N	1000	1		2.32
151310	D162511	39.1757	104.8517	0.0	N	15.0	2.0		0	N	1500	1.5		2.28
151320	D162236	39.1876	104.8574	0.0	N	10.9	5.5		0	N	1500	1.5		1.61
152310	D162384	39.1866	104.7523	0.0	N	9.5	1.8		0	N	1000	1.5		2.34
152320	D162443	39.1885	104.7624	0.0	N	13.8	1.9		0	N	1500	2		2.39
152410A	D162575	39.1847	104.7356	0.0	N	11.2	1.5		0	N	1000	1.5		1.22
152410B	D162449	39.1847	104.7356	0.0	N	10.6	1.7		0	N	1500	1.5		1.50
152420	D162160	39.1847	104.7357	0.0	N	8.8	0.1	L	0	N	1000	1		0.44
153110	D162738	39.1988	104.6306	0.0	N	11.0	2.8		0	N	1000	1		1.39
153120	D162879	39.2054	104.6421	0.0	N	11.7	6.0		0	N	1000	1		2.37
153310	D162904	39.1810	104.6711	0.0	N	8.4	1.4		0	N	1000	1		0.36
153320	D162526	39.1839	104.6697	0.0	N	10.4	1.3		0	N	2000	1		0.54
154110	D162467	39.1220	104.9214	0.0	N	12.8	3.9		0	N	1000	3		3.61
154120	D162429	39.1309	104.9156	0.0	N	12.6	2.8		0	N	1000	3		2.86
154410	D162235	39.1156	104.9237	0.0	N	12.2	4.7		0	N	1500	3		5.99
154420	D162763	39.1067	104.9203	0.0	N	12.5	3.1		0	N	1500	1.5		2.77
155310	D162164	39.1183	104.8517	0.0	N	11.7	0.3		0	N	1500	1.5		2.41
155320	D162463	39.1104	104.8539	0.0	N	11.0	0.6		0	N	2000	1		1.12
155410	D162677	39.1148	104.8332	0.0	N	9.9	1.5		0	N	1000	1		1.84
155420	D162799	39.1101	104.8297	0.0	N	13.1	2.7		0	N	2000	1.5		4.13
156111	D162153	39.1370	104.7418	0.0	N	8.6	0.1	L	0	N	1500	0	N	0.72
156112	D162862	39.1370	104.7417	0.0	N	9.5	1.5		0	N	1500	1		0.73
156120	D162529	39.1341	104.7439	0.0	N	10.6	1.1		0	N	1500	1		0.97
156210	D162632	39.1308	104.7477	0.0	N	11.0	2.3		0	N	1000	1.5		2.25
156220	D162816	39.1306	104.7570	0.0	N	9.6	1.5		0	N	1500	1.5		1.21
157110	D162796	39.1375	104.6461	0.0	N	11.8	3.2		0	N	1000	1.5		2.00
157120	D162633	39.1357	104.6415	0.0	N	12.6	5.0		20		1000	1.5		2.26
157410A	D162207	39.1189	104.6369	0.0	N	12.1	1.7		0	N	1500	1.5		2.60
157410B	D162779	39.1189	104.6369	0.0	N	11.5	10.8		0	N	1500	1.5		2.13
157420	D162334	39.1081	104.6494	0.0	N	12.9	2.3			L	1000	1		3.70
158110	D162292	39.0543	104.8346	0.0	N	8.5	2.8		0	N	1000	1		0.99
158120	D162506	39.0506	104.8218	0.0	N	10.3	3.0		0	N	1500	1		1.66
158310A	D162583	39.0371	104.8405	0.0	N	9.6	1.8		0	N	1500	0	N	3.00
158310B	D162539	39.0372	104.8405	0.0	N	9.4	1.9		0	N	1500	0	N	3.25
158320	D162132	39.0401	104.8403	0.0	N	9.1	0.1	L	0	N	1000	0	N	0.99
159210	D162301	39.0656	104.7465	0.0	N	10.6	3.1		0	N	1500	1		3.58
159220	D162116	39.0513	104.7584	0.0	N	12.7	2.6		0	N	1000	1.5		2.03
159411	D162700	39.0460	104.7385	0.0	N	11.5	2.2		0	N	1500	1.5		2.04
159412	D162211	39.0460	104.7385	0.0	N	12.5	0.1	L	0	N	1500	2		2.10
159420A	D162696	39.0468	104.7257	0.0	N	8.8	2.2		0	N	1500	3		0.66
159420B	D162911	39.0468	104.7256	0.0	N	15.5	4.4		0	N	1500	3		0.56
160110	D162421	39.0486	104.6511	0.0	N	11.6	2.2		0	N	1500	1.5		2.51
160120	D162907	39.0646	104.6404	0.0	N	13.4	3.5		0	N	1500	2		0.92
160310A	D162746	39.0308	104.6566	0.0	N	12.1	1.9		0	N	1500	1.5		2.22

Field ID	Lab. ID	N. Latitude	W. Longitude	Ag, ppm	Al2O3, %	As, ppm	B, ppm	Ba, ppm	Be, ppm	Tot. C, %
160310B	D162692	39.0308	104.6566	0.0 N	9.7	1.9	0 N	1500	1.5	2.37
160320	D162242	38.9751	104.8601	0.0 N	11.6	3.1	0 N	1500	1.5	2.48
161110	D162534	38.9865	104.8266	0.0 N	14.5	2.3	0 N	2000	2	1.01
161120	D162587	38.9792	104.8289	0.0 N	8.9	2.4	0 N	1000	1	1.60
161310A	D162745	38.9607	104.8406	0.0 N	9.1	3.4	0 N	1500	1.5	3.95
161310B	D162698	38.9607	104.8406	0.0 N	10.7	3.5	0 N	1000	2	0.93
161320	D162595	38.9751	104.8600	0.0 N	8.3	4.6	0 N	1000	1.5	0.94
162210	D162854	38.9893	104.7496	0.0 N	8.9	4.1	0 N	1000	1.5	1.83
162220	D162702	38.9885	104.7574	0.0 N	7.4	1.9	0 N	1000	1	1.03
162310	D162273	38.9723	104.7621	0.0 N	7.1	1.8	0 N	1000	1	0.22
162320	D162179	38.9604	104.7602	0.0 N	7.2	0.1 L	0 N	1000	0 N	0.70
163110A	D162222	38.9827	104.6330	0.0 N	11.6	0.8	0 N	1500	2	2.30
163110B	D162860	38.9827	104.6330	0.0 N	11.4	3.1	0 N	1000	1.5	2.38
163121	D162850	38.9934	104.6409	0.0 N	12.6	2.3	0 N	1500	1	1.52
163122	D162840	38.9934	104.6409	0.0 N	11.6	2.9	0 N	1000	2	1.12
163210	D162930	38.9790	104.6550	0.0 N	12.5	1.6	0 N	1500	2	1.57
163220	D162694	38.9800	104.6688	0.0 N	9.1	0.7	0 N	1000	1.5	0.59
164110	D162456	38.9208	104.8241	0.0 N	3.8	1.6	L	500	1	25.30
164120	D162838	38.9092	104.8265	0.0 N	3.0	1.7	0 N	300	0 N	0.12
164310	D162474	38.8872	104.8464	0.0 N	12.8	9.2	20	700	1.5	1.14
164320	D162836	38.8992	104.8529	0.0 N	17.4	8.5	30	700	3	1.05
165110	D162695	38.9217	104.7359	0.0 N	11.0	1.6	0 N	1000	0 N	1.14
165120	D162424	38.9117	104.7404	0.0 N	18.8	1.3	0 N	700	1	0.28
165410	D162250	38.8990	104.7266	0.0 N	14.4	2.9	0 N	1000	0 N	1.66
165420	D162543	38.8971	104.7256	0.0 N	14.1	4.4	0 N	1500	1	1.28
166310	D162827	38.8953	104.6726	0.0 N	11.1	2.3	0 N	1500	1.5	1.45
166320	D162389	38.8963	104.6576	0.0 N	8.0	2.5	0 N	1500	1.5	1.13
166410	D162732	38.9033	104.6354	0.0 N	12.2	1.6	0 N	1500	1	0.47
166420A	D162531	38.9007	104.6343	0.0 N	9.7	1.3	0 N	1500	1	0.67
166420B	D162844	38.9007	104.6343	0.0 N	8.9	2.4	0 N	1000	1	0.62
167110	D162725	38.8433	104.8181	0.0 N	9.7	5.3	20	1000	1.5	2.44
167120	D162775	38.8371	104.8236	0.0 N	10.0	10.8	0 N	1000	2	3.50
167210	D162417	38.8389	104.8503	0.0 N	11.3	11.5	20	1000	2	5.25
167220	D162390	38.8461	104.8410	0.0 N	12.1	7.7	20	1000	2	1.68
168110A	D162342	38.8326	104.7327	0.0 N	8.5	1.5	0 N	1500	1	1.98
168110B	D162483	38.8326	104.7327	0.0 N	7.9	1.8	0 N	1000	1	0.54
168120	D162110	38.8415	104.7460	0.0 N	6.9	1.1	0 N	700	0 N	0.76
168310	D162894	38.8288	104.7672	0.0 N	7.5	2.5	0 N	700	0 N	0.96
168320	D162296	38.8208	104.7661	0.0 N	12.6	6.9	50	700	1.5	1.36
169210	D162414	38.8466	104.6693	0.0 N	11.1	1.7	0 N	1500	1	1.89
169220	D162952	38.8340	104.6763	0.0 N	11.4	0.1 L	0 N	1500	1	1.21
169410	D162181	38.8231	104.6429	0.0 N	10.1	1.8	0 N	1000	1	1.02
169420	D162914	38.8278	104.6383	0.0 N	9.4	4.6	0 N	1000	0 N	0.94
170310	D162433	38.7524	104.8584	0.0 N	12.3	4.6	0 N	1000	3	5.11
170320	D162299	38.7490	104.8572	0.0 N	11.8	5.0	0 N	1500	3	0.94
170410	D162369	38.7497	104.8298	0.0 N	12.6	4.5	0 N	1000	1.5	2.17
170420	D162582	38.7461	104.8192	0.0 N	12.9	4.6	0 N	2000	2	2.13
171210	D162782	38.7737	104.7640	0.0 N	8.9	2.5	0 N	1000	1	1.35
171220	D162872	38.7711	104.7562	0.0 N	8.7	4.1	0 N	1000	1	0.42
171410	D162310	38.7504	104.7388	0.0 N	7.6	2.7	0 N	1000	0 N	0.65
171420	D162134	38.7592	104.7465	0.0 N	10.7	9.5	0 N	1000	1	2.00
172110	D162346	38.7728	104.6488	0.0 N	9.0	0.8	0 N	1500	0 N	0.41
172120	D162617	38.7647	104.6513	0.0 N	13.8	2.4	0 N	1500	0 N	1.05
172211	D162484	38.7655	104.6618	0.0 N	8.3	2.9	0 N	1500	1	0.74
172212	D162931	38.7655	104.6618	0.0 N	9.6	3.0	0 N	1000	1	0.49
172220	D162597	38.7657	104.6733	0.0 N	8.5	2.7	0 N	1000	1	0.63
173210	D162199	38.7028	104.8400	0.0 N	13.3	0.1	0 N	700	2	0.91
173220	D162915	38.6994	104.8540	0.0 N	14.6	3.4	0 N	1500	2	0.92
173410	D162655	38.6705	104.8229	0.0 N	12.1	6.0	0 N	1000	2	1.44
173420	D162215	38.6857	104.8366	0.0 N	11.3	4.4	0 N	1500	1.5	1.62
174310	D162811	38.6747	104.7510	0.0 N	14.1	6.9	30	1000	2	0.87
174320	D162830	38.6729	104.7590	0.0 N	11.7	4.7	20	1500	1	1.06
174410	D162489	38.6829	104.7247	0.0 N	10.5	7.8	20	1000	1	1.79
174420	D162232	38.6723	104.7437	0.0 N	11.6	2.3	20	1000	1.5	2.83
175110	D162736	38.6970	104.6448	0.0 N	9.5	6.0	20	700	0 N	1.83

Field ID	Lab. ID	N. Latitude	W. Longitude	Ag, ppm		Al2O3, %	As, ppm	B, ppm		Ba, ppm	Be, ppm		Tot. C, %
175120	D162174	38.7022	104.6483	0.0	N	11.1	3.3	20		1000	1		1.08
175410	D162781	38.6762	104.6517	0.0	N	11.9	5.8	30		1000	1.5		3.22
175420	D162533	38.6871	104.6354	0.0	N	11.5	9.5	20		1000	1		1.72
176110	D162561	38.6307	104.8217	0.0	N	11.1	3.0	0	N	1500	3		0.96
176120	D162382	38.6261	104.8354	0.0	N	9.8	3.1	0	N	1000	1.5		1.64
176210A	D162851	38.6173	104.8543	0.0	N	11.2	4.8	0	N	1000	1		1.46
176210B	D162307	38.6173	104.8543	0.0	N	9.7	4.8	0	N	700	1		1.57
176220	D162686	38.6182	104.8440	0.0	N	12.2	3.9	0	N	1000	1		3.43
177110	D162769	38.6223	104.7323	0.0	N	12.7	3.5	50		700	1		1.19
177120	D162209	38.6242	104.7346	0.0	N	11.5	6.1	30		700	1		1.16
177410	D162283	38.6026	104.7471	0.0	N	13.1	12.8	30		700	1		2.62
177420	D162759	38.5981	104.7289	0.0	N	14.0	10.5	70		500	1		3.44
178210	D162946	38.6277	104.6658	0.0	N	12.6	6.2	20		1000	1		1.29
178220	D162400	38.6331	104.6612	0.0	N	13.2	8.4	20		1500	1		1.56
178410	D162552	38.6033	104.6497	0.0	N	12.7	9.2	30		1500	1		0.97
178420A	D162322	38.6150	104.6408	0.0	N	13.2	10.0	50		700	1.5		1.60
178420B	D162621	38.6150	104.6408	0.0	N	13.5	9.0	50		1000	1.5		1.45
179110	D162898	40.6103	105.0128	0.0	N	9.3	5.6	20		700	0	N	2.23
179120	D162425	40.6068	105.0107	0.0	N	9.7	2.3	20		700	1		1.90
179410	D162603	40.5879	105.0154	0.0	N	10.9	5.8	20		1000	1.5		1.19
179420	D162304	40.5816	105.0060	0.0	N	13.0	6.7	30		700	1		2.57
180110	D162762	40.5660	104.6750	0.0	N	10.4	5.7	0	N	1000	1		0.83
180120	D162198	40.5650	104.6785	0.0	N	9.0	3.8	20		1000	1		1.10
180210	D162123	40.5750	104.6986	0.0	N	12.4	6.0	30		700	1		1.44
180220	D162227	40.5704	104.7117	0.0	N	10.0	7.6	20		1000	1		1.14
181310	D162368	40.4459	105.1732	0.0	N	9.4	3.4	30		500	2		0.89
181320	D162143	40.4428	105.1794	0.0	N	9.0	2.9	30		500	1		1.97
181410	D162494	40.4398	105.1486	0.0	N	7.1	5.0	50		500	0	N	1.05
181420	D162829	40.4391	105.1590	0.0	N	7.8	3.0	20		500	1		1.13
182210	D162810	39.9279	104.7150	0.0	N	8.5	4.0	0	N	1000	1		0.51
182220	D162488	39.9162	104.6993	0.0	N	6.6	2.0	0	N	1500	0	N	0.57
182310	D162448	39.9072	104.7167	0.0	N	9.4	3.3	0	N	1500	0	N	0.67
182320	D162509	39.9080	104.7063	0.0	N	7.0	1.9	0	N	1000	0	N	0.24
183110	D162302	39.8464	104.9613	0.0	N	10.7	2.2	0	N	1000	0	N	1.67
183120	D162671	39.8470	104.9761	0.0	N	10.9	3.9		L	1000	1		1.03
183310	D162764	39.8402	104.9820	1.5		12.0	13.8	20		700	1		1.83
183320	D162317	39.8318	104.9834	0.0	N	13.4	4.8	20		700	1		0.80
184210	D162676	39.6334	105.0815	0.0	N	10.1	6.1	20		700	1		2.28
184220	D162828	39.6262	105.0777	0.0	N	9.5	6.8	20		700	1.5		1.27
184410	D162261	39.6228	105.0545	0.0	N	11.0	4.0	20		700	1		1.30
184420	D162251	39.6212	105.0580	0.0	N	10.7	4.0	0	N	1000	1		2.27
185310	D162423	39.5770	105.0277	0.0	N	10.9	3.6	0	N	1000	1		1.30
185320	D162584	39.5734	105.0337	0.0	N	10.0	5.3	0	N	1500	1		0.83
185410	D162411	39.5862	105.0021	0.0	N	12.6	4.3	0	N	1000	1		1.16
185420	D162900	39.5852	105.0222	0.0	N	10.4	4.4		L	1000	0	N	6.69
186110	D162190	39.5312	105.1046	0.0	N	7.9	4.0		L	700	0	N	0.63
186120	D162149	39.5329	105.1024	0.0	N	9.1	2.1	20		700	0	N	0.66
186310	D162325	39.5127	105.1349	0.0	N	12.2	3.3	0	N	1000	2		0.30
186320	D162225	39.5136	105.1236	0.0	N	12.2	2.6	0	N	1000	1		1.21
187210	D162341	38.9902	104.7930	0.0	N	7.2	0.1	0	N	1000	0	N	0.32
187220	D162490	38.9894	104.8147	0.0	N	7.7	1.7	0	N	1000	1		0.92
187410	D162343	38.9730	104.7812	0.0	N	8.6	1.3	0	N	1000	1		0.77
187420	D162131	38.9732	104.7770	0.0	N	7.7	0.4	0	N	1000	0	N	1.34
188310	D162740	38.6506	104.8435	0.0	N	12.5	6.2		L	1000	1		1.60
188320	D162316	38.6397	104.8610	0.0	N	9.3	7.2	20		500	1		2.53
188410	D162457	38.6441	104.8250	0.0	N	14.0	3.2	0	N	1000	3		1.31
188420	D162625	38.6369	104.8230	0.0	N	11.7	4.6	0	N	1000	1		1.16
189110	D162615	39.7381	104.9181	0.0	N	11.1	42.9		L	1000	1.5		3.00
189120	D162523	39.7433	104.9291	2.0		10.6	82.3		L	1500	1		4.28
189210	D162864	39.7497	104.9307	0.0	N	12.3	11.1		L	1000	1		2.35
189220	D162871	39.7419	104.9325	0.0	N	11.2	16.0	20		1000	1		2.08
190110	D162699	39.7371	104.8776	0.0	N	10.0	7.9	20		1000	1		1.60
190120	D162249	39.7344	104.8633	0.0	N	11.3	41.3	0	N	1000	1		2.08
190410	D162476	39.7301	104.8671	0.0	N	13.0	7.4	20		1000	1		2.35
190420	D162902	39.7311	104.8775	0.0	N	10.0	6.4	0	N	1000	1		1.51

Field ID	Org. C, %	Crb. C, %	CaO, %	Ce, ppm	Cl, %	Co, ppm	Cr, ppm	Cu, ppm	F, %
001210	2.8	0.01 L	1.66	0 N	0.1 L	7	50	10	0.04 L
001220	3.0	0.02	1.57	0 N	0.1 L	5	30	10	0.05
001310	1.7	0.01 L	2.72	0 N	0.2	15	70	20	0.06
001320A	2.8	0.01 L	0.98	0 N	0.1 L	15	70	15	0.06
001320B	2.9	0.01 L	1.03	0 N	0.1 L	15	70	15	0.04
002110	1.6	0.01 L	1.41	0 N	0.1 L	20	50	50	0.09
002120	1.1	0.01 L	0.81	0 N	0.1 L	7	50	20	0.04 L
002410	3.5	0.05	1.61	0 N	0.1 L	15	70	30	0.08
002420	0.8	0.01 L	1.06	0 N	0.1 L	15	70	50	0.06
003210	1.5	1.15	5.89	0 N	0.1 L	10	70	30	0.08
003220	1.1	1.10	5.95	0 N	0.1 L	7	70	30	0.10
003410	1.7	0.92	5.30	0 N	0.1 L	7	50	20	0.23
003420	1.5	0.34	2.76	0 N	0.1 L	7	70	20	0.04
004210A	1.2	0.04	1.16	0 N	0.1 L	7	50	20	0.04
004210B	1.7	0.02	1.10	0 N	0.1 L	7	50	15	0.05
004220	1.0	0.80	4.61	0 N	0.1 L	7	50	20	0.06
004410	1.5	1.13	22.40	0 N	0.1 L	0 N	15	7	0.05
004420	1.2	0.34	2.57	0 N	0.1 L	7	50	20	0.04 L
005110	0.8	0.12	0.99	0 N	0.1 L	5	30	7	0.04
005120	0.6	0.22	1.65	0 N	0.1 L	5	30	7	0.04 L
005210	0.8	0.30	1.78	L	0.1 L	7	50	10	0.04
005220A	0.8	0.09	0.78	0 N	0.1 L	5	30	7	0.04 L
005220B	0.5	0.01	0.50	0 N	0.1 L	5	30	5	0.04 L
006110A	0.4	0.29	1.77	200	0.1 L	5	30	7	0.24
006110B	0.5	0.25	1.75	0 N	0.1 L	5	20	7	0.04 L
006120	0.8	0.01 L	0.64	0 N	0.1 L	5	50	10	0.04 L
006310	0.8	0.01 L	0.46	0 N	0.1 L	5	50	10	0.04 L
006320	0.8	0.04	0.77	0 N	0.1 L	5	50	10	0.04 L
007110	0.8	0.01 L	0.63	0 N	0.1 L	5	30	10	0.04 L
007120	0.8	0.01	1.04	0 N	0.1 L	5	20	10	0.04
007310	7.9	0.02	0.99	L	0.1 L	5	30	30	0.04 L
007320	1.5	0.20	1.50	0 N	0.1 L	7	30	20	0.04
008110	1.1	0.23	2.32	0 N	0.1 L	5	30	15	0.04 L
008120	1.6	0.01 L	0.80	0 N	0.1 L	5	30	7	0.04 L
008210	1.0	0.05	1.20	0 N	0.1 L	5	30	15	0.04 L
008220	0.9	0.35	2.67	0 N	0.1 L	5	30	10	0.04 L
009110A	3.7	0.01	0.78	0 N	0.1 L	10	100	20	0.06
009110B	4.0	0.05	0.87	0 N	0.1 L	10	100	30	0.06
009120	4.1	0.03	1.07	0 N	0.1 L	10	100	30	0.07
009210	2.5	0.01 L	1.37	0 N	0.1 L	10	70	30	0.06
009220	3.1	0.01 L	1.00	0 N	0.1 L	10	100	30	0.09
010110	1.9	0.01	1.33	0 N	0.1 L	15	300	20	0.18
010120	4.1	0.01	0.98	0 N	0.1 L	7	70	10	0.06
010211	0.7	0.01 L	0.34	0 N	0.1 L	L	20	7	0.09
010212	1.1	0.01 L	0.40	0 N	0.1 L	0 N	10	7	0.04 L
010220	1.2	0.03	4.39	0 N	0.1 L	20	100	50	0.08
011210	1.9	0.45	3.07	0 N	0.1 L	5	50	15	0.04 L
011220	1.4	0.17	1.95	0 N	0.1 L	10	50	30	0.11
011410	1.3	0.26	2.45	0 N	0.1 L	7	50	20	0.09
011420	2.0	0.03	1.10	0 N	0.1 L	10	70	30	0.14
012110	1.9	0.77	4.48	0 N	0.1 L	10	70	30	0.08
012120	1.5	0.22	3.46	L	0.1 L	7	50	20	0.12
012310	1.1	0.37	3.10	0 N	0.1 L	10	70	30	0.14
012320	1.2	0.36	2.99	0 N	0.1 L	10	70	20	0.04 L
013110	2.6	0.41	2.60	0 N	0.1 L	7	50	20	0.05
013120	1.0	0.11	1.24	0 N	0.1 L	7	50	15	0.05
013410	0.4	0.93	4.80	0 N	0.1	5	30	10	0.04
013420	0.9	0.75	3.70	0 N	0.1 L	7	50	10	0.04
014310	0.8	0.57	3.20	0 N	0.1 L	5	30	7	0.04 L
014320	0.6	0.45	2.56	0 N	0.1 L	7	30	10	0.04 L
014410	1.0	0.14	1.19	0 N	0.1 L	5	30	10	0.04 L
014420	0.6	0.36	2.74	0 N	0.1 L	5	70	15	0.05
015310	0.6	0.68	3.33	0 N	0.1 L	5	30	7	0.04
015320	1.0	0.10	1.12	0 N	0.1 L	5	30	15	0.07
015410	1.1	0.05	1.04	0 N	0.1 L	7	70	15	0.04 L

Field ID	Org. C, %	Crb. C, %	CaO, %	Ce, ppm	Cl, %	Co, ppm	Cr, ppm	Cu, ppm	F, %
015420	0.9	0.38	2.49	0 N	0.1 L	5	50	10	0.04 L
016210	1.7	0.36	2.74	0 N	0.1 L	5	30	10	0.05
016220	0.7	0.17	1.49	0 N	0.2	5	20	7	0.04
016410	0.7	0.36	2.56	0 N	0.1 L	5	20	15	0.04 L
016420	0.3	0.01 L	0.74	0 N	0.1 L	0 N	10	5	0.04 L
017210	3.8	0.01 L	1.17	0 N	0.1 L	15	70	30	0.06
017220	1.6	0.01 L	0.89	0 N	0.1 L	15	70	30	0.08
017410	1.4	0.01	1.48	0 N	0.1 L	7	30	5	0.10
017420A	1.8	0.01 L	1.03	0 N	0.3	7	50	20	0.04 L
017420B	1.9	0.01 L	0.97	0 N	0.1 L	7	50	15	0.04
018110	0.7	1.75	8.85	0 N	0.1 L	5	30	10	0.12
018120	0.7	0.99	5.10	0 N	0.1 L	7	50	20	0.06
018410	1.5	0.19	2.00	0 N	0.1 L	7	70	20	0.07
018420	1.7	0.54	3.10	0 N	0.1 L	10	50	20	0.07
019210	2.1	0.93	5.46	0 N	0.1 L	7	50	20	0.08
019220	1.2	3.72	17.90	0 N	0.1 L	7	50	30	0.06
019410	1.2	0.79	4.45	0 N	0.1 L	7	50	30	0.04 L
019420	1.1	0.42	2.59	0 N	0.1 L	15	70	30	0.06
020110	1.1	0.01 L	1.22	0 N	0.1 L	10	70	20	0.08
020120	1.4	0.62	3.92	0 N	0.1 L	10	70	30	0.08
020410	1.7	0.39	2.65	0 N	0.1 L	7	70	30	0.04
020420	1.1	1.04	5.74	0 N	0.1 L	5	50	15	0.04 L
021210	1.1	0.06	1.43	0 N	0.1 L	7	50	10	0.06
021220A	3.1	0.30	3.18	0 N	0.1 L	5	30	10	0.11
021220B	3.3	0.31	3.27	0 N	0.1 L	7	30	15	0.04 L
021311	0.5	0.26	3.04	0 N	0.9	10	70	20	0.08
021312	0.5	0.56	2.63	700	0.1 L	0 N	15	7	0.04 L
021320	1.6	0.02	1.32	0 N	0.1 L	7	50	20	0.04 L
022110	1.0	0.07	1.19	0 N	0.1 L	7	50	20	0.04 L
022120	0.7	0.01 L	0.75	0 N	0.1 L	5	30	7	0.05
022410	0.9	0.34	2.06	200	0.1 L	L	20	10	0.12
022420	0.4	0.37	2.08	0 N	0.1 L	L	30	7	0.05
023110	0.8	0.17	1.55	0 N	0.1 L	7	30	15	0.04 L
023120	0.7	0.21	1.03	0 N	0.1 L	5	20	10	0.06
023310	0.5	0.76	3.73	0 N	0.1 L	5	30	10	0.05
023320	1.2	0.32	2.15	0 N	0.1 L	7	30	20	0.05
024310A	0.8	0.05	2.86	0 N	0.1 L	5	30	10	0.09
024310B	0.7	0.03	0.97	0 N	0.2	7	50	15	0.12
024320	0.8	0.14	1.50	0 N	0.1 L	5	50	15	0.06
024410	1.4	0.04	1.15	0 N	0.1 L	7	30	15	0.05
024420	1.0	0.01	0.84	0 N	0.1 L	5	20	7	0.04 L
025110	2.1	0.01 L	0.70	0 N	0.1 L	7	70	20	0.04 L
025120	1.6	0.01 L	0.83	0 N	0.1 L	10	100	15	0.08
025410	5.9	0.01 L	1.07	0 N	0.1 L	7	50	10	0.04 L
025420	1.9	0.01	0.70	0 N	0.1 L	10	70	10	0.10
026210	1.0	0.17	0.93	0 N	0.1 L	0 N	30	7	0.09
026220	1.9	0.01 L	1.95	0 N	0.1 L	10	30	7	0.06
026410	1.1	1.84	8.04	0 N	0.1 L	7	70	20	0.08
026420	0.3	2.97	11.00	0 N	0.1 L	10	70	20	0.13
027210	1.1	0.83	4.77	0 N	0.1 L	7	50	20	0.04
027220	1.3	0.80	4.49	0 N	0.1 L	0 N	30	10	0.08
027410	2.8	0.19	2.13	200	0.1 L	7	50	20	0.08
027420	1.9	1.33	7.17	0 N	0.1 L	10	70	30	0.07
028110	1.6	0.07	1.43	0 N	0.2	10	70	20	0.04
028120A	2.0	0.43	2.76	0 N	0.1 L	7	70	20	0.07
028120B	1.4	0.44	2.73	0 N	0.1 L	10	70	30	0.05
028310	1.8	0.50	3.56	0 N	0.1 L	7	50	20	0.07
028320	1.9	0.58	4.04	0 N	0.1 L	7	50	20	0.05
029210	0.9	0.87	5.02	0 N	0.1 L	7	50	20	0.05
029220	2.3	0.01	1.02	0 N	0.1 L	10	50	15	0.04
029310A	1.0	0.01 L	0.69	0 N	0.1 L	5	30	10	0.04 L
029310B	0.8	0.01 L	0.68	0 N	0.1 L	5	50	15	0.04
029320	0.8	0.40	2.66	0 N	0.1 L	7	50	20	0.05
030310	0.6	0.13	0.23	0 N	0.1 L	5	30	15	0.04
030320	0.6	0.30	2.19	0 N	0.1 L	5	30	7	0.04

Field ID	Org. C, %	Crb. C, %	CaO, %	Ce, ppm	Cl, %	Co, ppm	Cr, ppm	Cu, ppm	F, %
030410	0.6	0.11	1.54	0 N	0.1 L	5	20	7	0.05
030420	0.7	0.08	1.66	0 N	0.1 L	5	30	7	0.04 L
031110A	0.9	0.36	2.60	0 N	0.1 L	5	30	10	0.04 L
031110B	0.7	0.32	2.36	0 N	0.1 L	5	30	7	0.05
031120	0.6	0.03	1.42	0 N	0.2	5	20	7	0.05
031210	0.7	0.02	1.19	0 N	0.1 L	5	20	7	0.04 L
031220	0.8	0.08	1.51	0 N	0.1 L	5	30	7	0.04 L
032110	1.1	0.16	1.77	0 N	0.1 L	5	30	10	0.05
032120	0.7	0.57	3.28	0 N	0.1 L	5	30	7	0.06
032411	1.1	0.11	1.48	0 N	0.1 L	5	50	15	0.04 L
032412	2.1	0.15	1.75	0 N	0.1 L	5	30	30	0.05
032420	1.3	0.12	1.93	0 N	0.1 L	7	50	30	0.06
033110	2.4	0.01 L	0.53	0 N	0.1 L	5	50	15	0.04
033120	2.1	0.01 L	0.76	0 N	0.1 L	5	50	15	0.06
033210	1.7	0.01 L	0.73	0 N	0.1 L	10	100	30	0.08
033220	1.1	0.01 L	0.61	0 N	0.1 L	15	100	30	0.10
034110	2.0	0.02	0.57	0 N	0.1 L	7	50	15	0.08
034120	2.3	0.01 L	0.65	0 N	0.1 L	7	30	20	0.04 L
034210A	1.6	0.01	0.21	0 N	0.1 L	0 N	20	3	0.04 L
034210B	1.6	0.02	1.12	0 N	0.1 L	L	15	5	0.04
034220	0.8	0.18	0.93	0 N	0.3	5	30	5	0.05
035110	1.3	0.02	1.05	0 N	0.1 L	5	30	15	0.05
035120	0.7	0.40	2.54	0 N	0.1 L	7	70	20	0.07
035310	1.2	0.98	5.29	0 N	0.1 L	7	50	30	0.05
035320	2.2	0.29	2.19	0 N	0.1 L	7	30	30	0.20
036110	1.0	0.44	3.19	200	0.1 L	7	50	20	0.07
036120	1.1	0.38	2.77	0 N	0.1 L	7	70	20	0.05
036410	0.8	0.32	2.64	0 N	0.1 L	7	50	30	0.04
036420	1.0	0.05	1.23	0 N	0.1 L	7	70	20	0.04 L
037110	0.7	1.15	6.12	0 N	0.1 L	10	70	20	0.07
037120	0.8	0.06	1.29	200	0.1 L	7	50	10	0.05
037310	0.8	0.18	1.58	0 N	0.1	7	70	15	0.06
037320A	1.2	0.31	2.55	0 N	0.1 L	10	70	20	0.07
037320B	1.2	0.40	2.56	200	0.1 L	10	70	30	0.07
038210	1.8	0.26	2.09	0 N	0.1 L	7	30	15	0.07
038220	1.5	0.62	3.67	0 N	0.1 L	5	50	20	0.04 L
038310	1.8	0.17	1.85	0 N	0.2	7	70	20	0.08
038320	1.0	0.34	2.32	0 N	0.1 L	7	50	15	0.05
039310A	1.8	0.04	1.42	0 N	0.1 L	5	30	20	0.05
039310B	2.4	0.05	1.42	200	0.1 L	7	50	30	0.07
039320	0.4	0.01 L	0.56	0 N	0.1 L	0 N	10	7	0.04 L
039410	1.3	0.01	1.01	0 N	0.1 L	7	50	50	0.04
039420	1.1	0.01 L	0.84	0 N	0.1 L	5	20	20	0.04
040210	0.7	0.01 L	0.64	0 N	0.1 L	L	20	20	0.04 L
040220	1.2	0.02	0.78	150	0.1 L	5	30	20	0.04 L
040410	0.6	0.03	0.79	0 N	0.1 L	0 N	10	5	0.04 L
040420	0.8	0.01 L	0.81	0 N	0.1 L	5	30	10	0.12
041110	3.8	0.07	1.19	L	0.1 L	5	30	15	0.06
041120	1.5	0.23	2.08	0 N	0.1 L	5	30	10	0.04 L
041410	1.9	0.01 L	0.76	0 N	0.1 L	5	20	10	0.11
041420	1.9	0.02	1.03	0 N	0.1 L	5	20	10	0.15
042110	1.8	1.20	6.94	0 N	0.1 L	5	50	30	0.04 L
042120	0.7	0.01 L	0.14	0 N	0.1 L	0 N	10	5	0.07
042310A	2.3	0.04	0.72	0 N	1.1	7	50	30	0.07
042310B	2.5	0.02	0.61	0 N	0.1 L	7	30	20	0.04 L
042320	0.4	0.07	1.31	500	0.1 L	5	30	7	0.06
043110A	1.7	0.14	1.60	0 N	0.1 L	7	50	20	0.04
043110B	1.7	0.15	1.61	0 N	0.1 L	7	50	15	0.11
043120	1.0	0.12	1.54	0 N	0.1 L	7	50	20	0.07
043410	1.5	0.46	3.19	0 N	0.1 L	10	70	20	0.04
043420	1.1	0.80	4.12	0 N	0.1 L	10	50	30	0.09
044310	0.9	0.48	2.62	0 N	0.1 L	10	50	20	0.06
044320	1.2	0.50	3.17	0 N	0.1 L	7	50	30	0.05
044410	2.7	0.43	3.14	0 N	0.1 L	10	70	30	0.06
044420	0.6	0.30	2.20	0 N	0.1 L	10	50	20	0.07

Field ID	Org. C, %	Crb. C, %	CaO, %	Ce, ppm	Cl, %	Co, ppm	Cr, ppm	Cu, ppm	F, %
045110	1.0	0.33	2.67	0 N	0.1 L	7	50	20	0.05
045120	0.7	0.09	1.24	0 N	0.1 L	7	70	20	0.05
045210	1.2	0.06	1.25	0 N	0.1 L	10	70	20	0.11
045220	1.6	0.03	1.10	0 N	0.1 L	7	50	20	0.05
046310	3.3	0.34	3.17	L	0.1 L	5	30	50	0.05
046320	1.6	0.02	0.85	150	0.1 L	5	30	20	0.04 L
046410	2.1	0.04	1.26	0 N	0.1 L	5	50	70	0.06
046420	1.4	0.03	0.94	L	0.1 L	7	30	70	0.06
047110	0.6	0.01 L	0.72	0 N	0.1 L	5	20	10	0.06
047120	0.5	0.01 L	0.70	0 N	0.1 L	5	20	7	0.04 L
047210	1.6	0.01	0.84	0 N	0.1 L	5	20	30	0.04 L
047220	1.3	0.02	0.94	0 N	0.1 L	5	30	10	0.04
048310	1.4	0.03	1.05	0 N	0.1 L	L	30	10	0.09
048320A	0.7	0.01 L	0.70	0 N	0.1 L	0 N	15	5	0.04 L
048320B	0.9	0.03	0.73	0 N	0.1 L	0 N	20	5	0.06
048410	1.7	0.01 L	0.77	0 N	0.1 L	0 N	10	3	0.04 L
048420	0.7	0.09	0.93	0 N	0.1 L	0 N	15	3	0.08
049110	4.0	0.01 L	0.41	0 N	0.1 L	0 N	20	7	0.04 L
049120	1.8	0.03	0.74	L	0.1 L	5	20	10	0.12
049410A	2.1	0.01	0.85	0 N	0.1 L	7	50	20	0.07
049410B	2.2	0.01 L	0.81	200	0.1 L	7	50	20	0.05
049421	1.6	0.01 L	0.32	0 N	0.1 L	5	20	15	0.04 L
049422	2.2	0.01 L	0.40	0 N	0.1 L	L	15	10	0.04 L
050110	2.3	1.32	7.17	0 N	0.1 L	5	30	20	0.05
050120	3.2	0.94	5.50	0 N	0.1 L	7	50	20	0.04
050210	2.4	0.01 L	1.24	150	0.1 L	7	50	20	0.07
050220	0.6	1.85	9.89	0 N	0.1 L	7	70	20	0.08
051110	1.0	0.02	1.01	0 N	0.1 L	10	50	20	0.06
051120	2.0	0.65	3.80	0 N	0.1	10	70	20	0.05
051211	1.8	0.50	3.75	0 N	0.5	10	100	70	0.06
051212	1.6	0.42	3.20	0 N	0.1 L	7	100	50	0.06
051220	1.3	0.02	1.19	0 N	0.2	10	70	20	0.04
052110	1.1	0.10	1.45	0 N	0.1 L	7	70	20	0.05
052120	1.0	0.64	3.63	0 N	0.1 L	7	70	20	0.05
052210	1.4	0.53	3.15	0 N	0.1 L	7	50	20	0.04 L
052220	1.1	0.61	3.02	0 N	0.1 L	7	50	15	0.09
053110	0.9	0.08	1.70	0 N	0.1 L	7	50	15	0.10
053120	1.4	0.29	2.31	0 N	0.1 L	5	30	20	0.06
053310	0.8	0.66	4.00	0 N	0.1 L	7	50	20	0.11
053320	0.9	0.55	1.28	150	0.1 L	7	50	20	0.11
054110	1.4	0.01 L	0.78	L	0.1 L	7	50	70	0.05
054120	1.1	0.01 L	0.71	200	0.1 L	7	30	20	0.05
054410	0.6	0.02	0.71	0 N	0.1 L	5	20	10	0.04 L
054420	1.9	0.01	0.84	0 N	0.1 L	0 N	20	7	0.07
055110	0.7	0.01 L	0.70	0 N	0.1 L	0 N	10	2	0.04 L
055120	0.4	0.01 L	0.72	0 N	0.1 L	0 N	20	3	0.04
055210	0.2	0.01	0.60	0 N	0.1 L	0 N	10	2	0.04 L
055220	0.3	0.01 L	0.68	0 N	0.1 L	0 N	10	3	0.04 L
056210	0.5	0.01 L	0.67	0 N	0.1 L	0 N	10	5	0.04
056220	1.4	0.01 L	0.79	0 N	0.1 L	L	15	3	0.04 L
056310	0.7	0.01	0.96	0 N	0.1 L	5	30	7	0.04 L
056320A	0.7	0.03	0.80	0 N	0.1 L	0 N	10	3	0.04 L
056320B	1.0	0.02	0.84	0 N	0.1 L	0 N	10	3	0.06
057210	3.0	0.01 L	0.62	0 N	0.1 L	5	30	10	0.04 L
057220	5.4	0.01	0.59	0 N	0.1 L	5	70	15	0.04 L
057410	1.2	0.01	1.72	L	0.1 L	10	50	30	0.27
057420	1.8	0.01	0.57	0 N	0.1 L	5	30	15	0.05
058111	2.3	0.32	2.09	0 N	0.1 L	7	70	30	0.08
058112	1.5	0.11	1.52	0 N	0.3	10	70	50	0.06
058120	1.8	0.55	3.14	0 N	0.1 L	10	70	30	0.06
058310	1.1	0.18	1.89	0 N	0.1 L	10	50	20	0.06
058320	0.2	1.20	4.18	0 N	0.1 L	7	50	20	0.06
059110	0.8	0.43	2.87	200	0.1 L	7	50	15	0.11
059120	1.1	0.10	1.83	L	0.1 L	15	50	50	0.16
059310	0.8	0.89	4.70	L	0.1 L	7	50	30	0.11

Field ID	Org. C, %	Crb. C, %	CaO, %	Ce, ppm	Cl, %	Co, ppm	Cr, ppm	Cu, ppm	F, %
059320	0.5	0.83	4.83	0 N	0.1 L	7	50	20	0.04
060210	1.0	0.01	0.93	L	0.1 L	7	50	15	0.06
060220	2.2	0.04	1.53	150	0.1 L	7	70	20	0.04 L
060310	2.0	0.01 L	0.98	0 N	0.1 L	7	50	30	0.04
060320	0.8	0.59	3.71	150	0.1 L	7	50	20	0.05
061110	0.3	0.01 L	1.03	0 N	0.1 L	0 N	20	5	0.04 L
061120	0.5	0.01 L	0.89	0 N	0.1 L	L	50	7	0.06
061310	0.5	0.01 L	1.05	0 N	0.1 L	5	30	5	0.06
061320	1.0	0.03	1.10	0 N	0.1 L	5	50	7	0.04
062110	1.8	0.06	1.38	L	0.1 L	10	50	70	0.08
062120	1.6	0.01 L	1.03	0 N	0.1 L	7	30	20	0.04 L
062410	3.8	0.01	1.35	200	0.1 L	5	30	70	0.06
062420	1.2	0.01 L	1.30	200	0.1 L	7	30	70	0.21
063210	0.5	0.01 L	0.81	0 N	0.1 L	0 N	15	5	0.04 L
063220	0.6	0.01 L	0.82	0 N	0.1 L	0 N	20	3	0.04
063410	0.7	0.01	0.80	0 N	0.1 L	0 N	10	3	0.07
063420	0.5	0.01 L	0.88	0 N	0.1 L	5	20	5	0.04 L
064110	0.4	0.01 L	0.61	0 N	0.1 L	0 N	15	5	0.04 L
064120	0.6	0.01 L	0.59	150	0.1 L	0 N	7	3	0.04 L
064410	0.8	0.01 L	0.60	0 N	0.1 L	0 N	10	3	0.04 L
064420A	0.4	0.01 L	0.69	0 N	0.1 L	0 N	10	3	0.04 L
064420B	0.5	0.01 L	0.67	0 N	0.1 L	0 N	15	2	0.19
065210	2.9	0.01 L	3.02	L	0.1 L	15	100	30	0.20
065220	2.8	0.01 L	2.82	0 N	0.1 L	10	70	15	0.07
065410	5.6	0.01	0.93	0 N	0.1 L	5	30	20	0.04 L
065420	1.3	0.01 L	0.91	0 N	0.1 L	7	50	20	0.05
066210	2.6	0.81	4.18	0 N	0.6	7	50	50	0.05
066220	3.4	0.11	1.62	0 N	0.1 L	7	70	30	0.05
066410A	2.0	0.07	1.78	0 N	0.1 L	7	70	20	0.05
066410B	2.3	0.06	1.84	200	0.1 L	10	150	20	0.07
066420	3.6	0.20	2.61	L	0.1 L	7	50	30	0.10
067110	0.5	0.88	4.62	0 N	0.1 L	7	70	20	0.06
067120	0.6	0.58	3.67	150	0.1 L	7	50	10	0.09
067310	2.2	0.04	1.22	0 N	0.1 L	7	50	20	0.06
067320A	1.0	0.01 L	1.75	0 N	0.1 L	5	30	7	0.04 L
067320B	0.9	0.12	1.72	0 N	0.1 L	L	20	7	0.08
068110	2.2	0.10	1.67	0 N	0.1 L	10	70	20	0.08
068120	0.6	0.25	2.20	200	0.1 L	7	50	20	0.05
068210	0.9	0.02	0.90	0 N	0.1 L	7	70	20	0.14
068220A	0.8	0.60	3.79	0 N	0.1 L	7	70	20	0.05
068220B	0.8	0.59	3.85	0 N	0.1 L	7	50	20	0.05
069310A	1.0	0.01 L	0.95	L	0.1 L	10	70	30	0.06
069310B	0.8	0.03	1.00	L	0.1 L	15	70	30	0.07
069320	0.8	0.35	2.83	0 N	0.1 L	10	50	30	0.10
069410	0.6	0.39	3.06	L	0.1 L	10	70	30	0.07
069420	0.8	0.54	3.57	0 N	0.1 L	10	70	20	0.08
070210	1.0	0.53	3.58	0 N	0.1 L	10	70	30	0.06
070220	1.0	0.66	4.28	0 N	0.1 L	10	70	30	0.06
070410	3.6	0.13	2.12	L	0.1 L	10	50	100	0.08
070420	3.1	0.05	1.35	L	0.2	10	50	30	0.14
071310	0.9	0.01 L	0.69	0 N	0.1 L	L	30	7	0.04 L
071320	0.2	0.01 L	0.73	0 N	0.1 L	0 N	15	3	0.06
071410	0.2	0.02	0.67	0 N	0.1 L	0 N	15	3	0.04 L
071420	0.3	0.01 L	0.72	0 N	0.1 L	0 N	15	3	0.09
072110	0.9	0.05	1.24	0 N	0.1 L	7	50	20	0.14
072120	2.5	0.04	1.29	0 N	0.2	5	30	15	0.04 L
072410	0.8	0.01	0.18	0 N	0.1 L	7	50	20	0.05
072420	1.3	0.44	2.85	0 N	0.1 L	10	50	20	0.13
073110	3.0	0.01 L	1.03	150	0.1 L	15	50	30	0.06
073120	4.1	0.03	3.16	200	0.1 L	15	100	30	0.14
073310	6.3	0.01 L	1.18	L	0.1 L	15	70	15	0.14
073320A	2.5	0.01 L	1.33	0 N	0.1 L	10	50	15	0.09
073320B	2.3	0.01 L	1.33	0 N	0.1 L	10	50	10	0.15
074310	4.4	0.01	1.73	0 N	0.1 L	7	50	20	0.07
074320	5.2	0.01	1.12	0 N	0.1 L	7	70	15	0.04

Field ID	Org. C, %	Crb. C, %	CaO, %	Ce, ppm	Cl, %	Co, ppm	Cr, ppm	Cu, ppm	F, %
074410	2.1	0.04	0.94	0 N	0.1 L	7	50	20	0.13
074420A	2.6	0.09	1.47	0 N	0.1 L	5	30	10	0.14
074420B	2.4	0.12	1.54	0 N	0.1 L	5	30	20	0.06
075110A	1.0	0.01	1.04	0 N	0.1 L	7	50	15	0.09
075110B	1.2	0.01 L	0.98	0 N	0.1 L	5	50	15	0.06
075120	1.1	0.01 L	1.10	200	0.1 L	5	70	15	0.04
075210	1.1	0.01 L	1.00	0 N	0.1 L	7	50	20	0.16
075220	1.1	0.01 L	0.99	0 N	0.1 L	5	50	7	0.06
076310	0.7	0.27	2.20	0 N	0.1 L	10	50	20	0.04 L
076320A	1.1	0.38	3.56	0 N	0.1 L	7	50	30	0.04 L
076320B	1.0	0.48	3.48	0 N	0.1 L	7	50	20	0.04
076410	1.0	0.07	1.47	0 N	0.1 L	10	70	20	0.06
076420	1.3	0.20	1.95	0 N	0.1 L	10	50	30	0.04 L
077210	2.1	0.01 L	0.88	0 N	0.1 L	10	50	30	0.04
077220	1.3	0.01	0.96	0 N	0.1 L	7	30	20	0.07
077310	1.4	0.01 L	0.75	0 N	0.1 L	10	50	20	0.05
077320	1.5	0.01 L	0.75	0 N	0.1 L	7	50	20	0.04
078210	1.3	0.18	1.93	0 N	0.1 L	7	30	20	0.04 L
078220	1.0	0.09	1.52	0 N	0.1 L	7	50	30	0.08
078310	1.2	0.22	1.97	0 N	0.1 L	7	50	15	0.04 L
078320A	3.2	0.12	2.12	0 N	0.1 L	10	30	150	0.11
078320B	3.7	0.10	2.15	200	0.2	10	50	150	0.12
079110	0.4	0.01	0.72	0 N	0.1 L	5	20	7	0.05
079120	0.4	0.01	0.67	0 N	0.1 L	0 N	10	3	0.04
079310A	0.3	0.01 L	0.72	0 N	0.1 L	0 N	15	3	0.04 L
079310B	0.2	0.01 L	0.62	0 N	0.1 L	0 N	15	3	0.04 L
079320	0.6	0.01 L	0.91	0 N	0.1 L	7	30	10	0.04 L
080110	0.2	0.02	0.62	0 N	0.1 L	0 N	10	3	0.04
080120	0.5	0.01 L	0.66	0 N	0.1 L	0 N	20	3	0.04 L
080210	0.9	0.01 L	0.64	0 N	0.1	5	20	7	0.04
080220	0.6	0.01 L	0.63	0 N	0.1 L	0 N	10	5	0.04 L
081210	1.7	0.01 L	1.37	L	0.1 L	15	50	15	0.14
081220	1.5	0.01 L	0.92	0 N	0.1 L	5	20	10	0.08
081410	6.8	0.01 L	0.59	0 N	0.1 L	5	50	10	0.04
081420A	8.7	0.01	0.72	0 N	0.1 L	5	20	10	0.04 L
081420B	9.2	0.01 L	0.75	0 N	0.3	5	30	20	0.04 L
082210	3.8	0.01	0.67	L	0.1 L	10	50	30	0.04 L
082220	4.6	0.04	0.67	0 N	0.1 L	7	50	20	0.07
082410	3.0	0.02	0.70	0 N	0.1 L	7	50	20	0.09
082420	4.1	0.04	0.69	0 N	0.1 L	5	30	20	0.04 L
083110	1.4	0.24	1.87	0 N	0.1 L	7	50	30	0.05
083120	1.4	0.01 L	0.53	0 N	0.1 L	7	30	30	0.12
083310	1.5	0.07	1.37	0 N	0.1 L	7	50	20	0.05
083320	1.4	0.01 L	0.93	L	0.1 L	7	50	20	0.04
084310	0.9	0.68	4.11	0 N	0.1 L	5	30	7	0.04 L
084320	0.7	0.02	0.85	0 N	0.1 L	7	30	30	0.04 L
084410A	4.3	0.02	1.53	0 N	0.1 L	7	50	100	0.06
084410B	4.0	0.07	1.50	0 N	0.1 L	10	50	100	0.08
084420	1.3	0.33	2.65	0 N	0.1 L	7	20	20	0.09
085210	1.1	0.01 L	0.69	0 N	0.3	10	50	20	0.04 L
085220	1.6	0.01 L	0.60	0 N	0.1 L	7	30	15	0.09
085310	1.0	0.14	1.73	0 N	0.2	7	50	20	0.04 L
085320	0.8	0.01 L	0.54	L	0.1 L	7	50	30	0.04 L
086310	0.8	0.01 L	0.80	0 N	0.3	5	30	7	0.06
086320A	1.0	0.01 L	0.75	150	0.1 L	5	20	10	0.04 L
086320B	1.0	0.01 L	0.81	0 N	0.1 L	5	20	10	0.04 L
086410	1.8	0.02	1.29	0 N	0.1 L	10	50	30	0.06
086420	0.7	0.01 L	0.71	0 N	0.1 L	L	20	5	0.04 L
087110A	0.5	0.01 L	0.68	L	0.1 L	L	20	7	0.04 L
087110B	0.6	0.01 L	0.71	0 N	0.1 L	0 N	20	5	0.04 L
087120	0.4	0.01 L	0.73	0 N	0.1 L	5	15	7	0.07
087210	0.2	0.01 L	0.64	0 N	0.1 L	5	15	7	0.04 L
087220	0.4	0.01 L	0.74	0 N	0.1 L	5	20	10	0.04 L
088110	1.1	0.01	0.62	L	0.1 L	7	30	20	0.04 L
088120	0.3	0.01 L	0.26	0 N	0.1 L	0 N	10	2	0.04

Field ID	Org. C, %	Crb. C, %	CaO, %	Ce, ppm	Cl, %	Co, ppm	Cr, ppm	Cu, ppm	F, %
088410A	0.4	0.01	0.57	0 N	0.1 L	L	100	7	0.04 L
088410B	0.3	0.01 L	0.53	0 N	0.1 L	5	100	7	0.04 L
088420	0.4	0.02	0.61	0 N	0.1 L	5	20	7	0.05
089110	2.5	0.01 L	1.69	0 N	0.1 L	7	20	20	0.04 L
089120	3.6	0.01 L	1.02	0 N	0.1 L	5	15	10	0.04 L
089410	3.4	0.01 L	0.83	0 N	0.1 L	10	100	30	0.07
089420	1.6	0.01 L	0.75	0 N	0.1 L	15	150	15	0.05
090210	1.5	1.80	9.94	0 N	0.1 L	7	30	30	0.09
090220	2.8	0.03	1.35	0 N	0.1 L	7	50	20	0.04 L
090310	2.7	0.01 L	1.43	0 N	0.1 L	7	70	15	0.04 L
090320	3.8	0.01 L	1.50	0 N	0.1 L	10	50	20	0.04
091110	2.1	0.03	1.22	0 N	0.3	7	50	30	0.04
091120	2.6	0.01 L	1.23	0 N	0.1 L	5	20	30	0.04 L
091210A	3.9	0.10	1.93	0 N	0.1 L	7	50	30	0.10
091210B	4.1	0.10	1.89	0 N	0.1 L	7	30	30	0.06
091220	1.3	0.01 L	0.96	0 N	0.1 L	10	70	20	0.04 L
092311	4.1	0.27	3.14	0 N	0.1 L	10	50	50	0.14
092312	2.4	0.02	1.41	0 N	0.1 L	7	50	70	0.09
092320	1.2	0.23	2.27	0 N	0.1 L	10	50	30	0.15
092410	2.5	0.01 L	0.24	0 N	0.1 L	7	50	70	0.09
092420	0.4	0.15	2.01	0 N	0.1 L	10	50	30	0.10
093310	1.0	0.05	1.55	200	0.1 L	5	30	50	0.11
093320	0.4	0.05	1.04	0 N	0.2	5	20	10	0.18
093410	1.5	0.02	0.93	0 N	0.1 L	L	15	7	0.04 L
093420	1.8	0.01	0.88	0 N	0.1 L	5	30	20	0.06
094110A	1.1	0.05	1.29	0 N	0.1 L	7	50	20	0.05
094110B	1.0	0.05	1.30	L	0.1 L	10	50	30	0.06
094120	1.0	0.01 L	0.78	0 N	0.1 L	7	30	20	0.04 L
094410	0.8	0.01 L	0.83	0 N	0.1 L	5	50	10	0.09
094420	0.6	0.01 L	0.79	0 N	0.1 L	7	30	15	0.04 L
095110A	1.0	0.33	2.50	L	0.1 L	7	50	20	0.10
095110B	1.2	0.34	2.51	0 N	0.1 L	10	50	30	0.06
095120	1.2	0.06	1.43	L	0.1 L	10	50	20	0.04
095410	1.2	0.01 L	1.38	150	0.1 L	10	50	30	0.04 L
095421	0.9	0.02	1.17	0 N	0.1 L	10	50	30	0.05
095422	0.6	0.69	4.75	0 N	0.1 L	5	15	15	0.11
096110	1.4	0.01 L	1.12	150	0.1 L	10	70	30	0.04
096120	1.0	0.60	3.79	0 N	0.1 L	7	50	20	0.05
096310A	0.8	0.16	4.98	0 N	0.1 L	7	50	30	0.16
096310B	0.9	0.17	4.73	0 N	0.1 L	7	50	30	0.24
096320	1.0	0.01 L	1.07	150	0.1 L	7	50	20	0.04 L
097110	2.4	0.01	0.97	0 N	0.1 L	5	50	15	0.13
097120A	1.6	0.01 L	2.99	0 N	0.1 L	15	50	30	0.05
097120B	1.6	0.01 L	2.95	0 N	0.1 L	20	30	30	0.06
097210	2.8	0.01 L	0.97	L	0.1 L	15	100	30	0.04
097220	1.0	0.01 L	1.06	0 N	0.1 L	10	100	30	0.06
098210	1.4	0.05	5.66	L	0.1 L	30	200	70	0.07
098220	2.1	0.01 L	4.34	0 N	0.1 L	20	100	50	0.09
098310	1.6	0.02	2.75	L	0.1 L	15	50	100	0.10
098320A	2.8	0.04	2.90	0 N	0.1 L	10	50	70	0.22
098320B	2.6	0.02	2.83	0 N	0.1 L	15	50	50	0.05
099110	1.6	0.01 L	1.91	150	0.1 L	7	50	50	0.04
099120	2.6	0.36	3.42	0 N	0.1 L	7	30	30	0.06
099210	2.8	0.04	1.86	300	0.1 L	10	50	70	0.12
099220	4.1	0.01	1.58	0 N	0.1 L	15	100	200	0.09
100210	1.8	0.18	0.94	0 N	0.1 L	5	30	30	0.09
100220	1.9	0.04	1.87	150	0.1 L	7	30	30	0.04 L
100310	3.8	0.01 L	1.81	200	0.1 L	7	50	30	0.04 L
100320	1.7	0.07	2.12	200	0.1 L	10	50	50	0.05
101210	0.8	0.01 L	0.93	200	0.1 L	10	50	30	0.06
101220A	4.6	0.10	1.71	0 N	0.1 L	L	30	50	0.14
101220B	5.0	0.10	1.80	0 N	0.1 L	5	50	50	0.04 L
101310	2.0	0.05	1.34	L	0.1 L	5	30	20	0.07
101320	3.3	0.28	2.81	L	0.1 L	7	50	30	0.09
102110	3.6	0.01 L	0.47	0 N	0.1 L	5	15	7	0.09

Field ID	Org. C, %	Crb. C, %	CaO, %	Ce, ppm	Cl, %	Co, ppm	Cr, ppm	Cu, ppm	F, %
102120	0.7	0.01 L	0.58	0 N	0.1 L	L	20	7	0.04 L
102410	0.2	0.01 L	0.31	0 N	0.1 L	0 N	5	2	0.04 L
102420	1.3	0.01 L	0.81	0 N	0.1 L	7	30	10	0.05
103310	1.0	0.01 L	0.92	L	0.1 L	7	30	20	0.04
103320	0.8	0.01 L	1.12	L	0.1 L	7	50	20	0.06
103410	0.6	0.01 L	0.44	0 N	0.1 L	0 N	15	5	0.04 L
103420A	1.0	0.01 L	0.74	0 N	0.1 L	7	50	20	0.04 L
103420B	1.0	0.01 L	0.75	0 N	0.1 L	10	150	30	0.08
104310	1.0	0.02	1.29	0 N	0.1 L	10	50	30	0.04
104320	0.8	0.02	0.90	0 N	0.1 L	10	50	20	0.05
104410A	0.9	0.01 L	0.78	0 N	0.1 L	10	50	20	0.04
104410B	2.4	0.01 L	0.81	0 N	0.1 L	10	50	30	0.04 L
104421	0.9	0.01 L	0.78	0 N	0.1 L	10	70	30	0.08
104422	0.6	0.01 L	0.84	0 N	0.1 L	10	50	30	0.08
105310	2.1	0.01	2.87	0 N	0.1 L	15	10	70	0.08
105320	2.3	0.01 L	2.58	0 N	0.1 L	15	30	50	0.08
105411	1.6	0.01 L	2.14	0 N	0.1 L	10	20	7	0.07
105412	2.1	0.01	2.51	0 N	0.1 L	15	20	20	0.06
105420	1.6	0.01 L	1.34	0 N	0.1 L	10	20	20	0.08
106110	2.3	0.05	1.00	0 N	0.1 L	15	50	30	0.04 L
106120	1.5	0.01 L	1.19	200	0.1 L	10	70	30	0.05
106410	1.4	0.02	1.23	0 N	0.1 L	10	50	30	0.08
106420	2.1	0.01 L	0.59	0 N	0.1 L	5	20	15	0.04 L
107110	2.7	0.01 L	2.51	150	0.1 L	15	30	70	0.04 L
107120	1.4	0.52	4.91	0 N	0.1 L	7	50	50	0.07
107410	1.4	0.06	3.31	0 N	0.1 L	15	30	30	0.04
107420	2.3	0.06	3.10	0 N	0.1 L	15	20	50	0.09
108210	2.1	0.20	4.21	0 N	0.1 L	15	30	50	0.04
108220	4.2	0.15	4.09	0 N	0.1 L	15	70	30	0.08
108310	2.4	0.18	3.58	0 N	0.1 L	15	50	50	0.08
108320	2.5	0.10	2.69	0 N	0.1 L	15	70	50	0.06
109110	0.5	0.01 L	0.46	0 N	0.1 L	0 N	15	5	0.10
109120	0.7	0.01 L	0.45	0 N	0.1 L	L	10	7	0.04 L
109210	1.8	0.01	1.07	0 N	0.1 L	5	30	20	0.07
109220	0.5	0.41	3.16	0 N	0.1 L	7	30	20	0.06
110211	0.5	0.11	1.49	0 N	0.1 L	5	30	20	0.04 L
110212	0.8	0.01	0.83	0 N	0.1 L	5	20	7	0.04 L
110220	1.0	0.25	2.45	L	0.1 L	7	50	30	0.05
110410	0.1	0.02	0.34	200	0.1 L	0 N	7	2	0.04 L
110420	0.6	0.01	0.53	0 N	0.1 L	5	20	7	0.08
111110	0.9	0.01 L	0.73	0 N	0.1 L	10	50	20	0.08
111120A	0.7	0.40	2.99	200	0.1 L	10	70	30	0.08
111120B	1.2	0.34	2.89	200	0.1 L	10	50	20	0.06
111310	1.1	0.01 L	0.84	L	0.1 L	7	30	20	0.04
111320	0.8	0.15	2.12	L	0.1 L	10	30	50	0.05
112110	0.7	0.01 L	0.39	0 N	0.1 L	5	20	7	0.07
112120	1.1	0.01 L	0.77	L	0.1 L	5	30	10	0.04 L
112210	0.7	0.01 L	0.42	0 N	0.1 L	5	15	7	0.04 L
112220	1.6	0.03	0.60	0 N	0.1 L	5	20	10	0.06
113110A	2.5	0.01 L	0.95	200	0.1 L	7	50	20	0.16
113110B	2.6	0.01	0.95	200	0.1 L	7	50	20	0.15
113120	1.5	0.01 L	0.83	200	0.1 L	7	70	15	0.08
113410	2.7	0.02	0.82	0 N	0.1 L	5	30	5	0.05
113420	2.2	0.01 L	0.90	300	0.1 L	7	50	20	0.10
114110	0.8	0.01 L	0.52	L	0.1 L	7	30	15	0.08
114120	1.3	0.01 L	0.90	L	0.1 L	0 N	15	30	0.16
114210	1.8	0.01 L	0.75	300	0.1 L	5	20	20	0.06
114220	2.2	0.01 L	0.79	0 N	0.1 L	0 N	15	7	0.04 L
115110	0.7	0.95	5.18	0 N	0.1 L	7	50	20	0.04 L
115120	1.7	0.01	0.96	0 N	0.1 L	7	50	20	0.04 L
115310	1.8	0.07	1.35	0 N	0.1 L	7	50	30	0.05
115320	1.6	0.91	5.13	0 N	0.1 L	7	50	20	0.05
116110	0.7	0.01 L	0.76	L	0.1 L	7	30	15	0.04
116120	0.9	0.01 L	0.74	200	0.1 L	5	30	10	0.04 L
116410	1.3	0.06	1.13	L	0.1 L	5	15	7	0.04 L

Field ID	Org. C, %	Crb. C, %	CaO, %	Ce, ppm	Cl, %	Co, ppm	Cr, ppm	Cu, ppm	F, %
116420	2.3	0.02	1.02	200	0.1 L	7	30	20	0.11
117110	0.4	0.78	5.05	0 N	0.1 L	15	50	30	0.08
117120	1.0	0.12	2.55	0 N	0.1 L	10	50	30	0.09
117410A	0.9	0.57	3.98	0 N	0.1 L	15	50	30	0.06
117410B	0.8	0.60	3.97	0 N	0.1 L	10	50	30	0.05
117420	0.1	0.49	4.06	0 N	0.1 L	15	70	30	0.06
118110	0.4	0.01 L	0.25	0 N	0.1 L	L	10	3	0.07
118120	1.6	0.01 L	0.47	0 N	0.1 L	5	20	7	0.04 L
118410	2.6	0.01	0.43	0 N	0.1 L	0 N	10	5	0.14
118420	1.6	0.01 L	0.75	150	0.1 L	5	30	20	0.04 L
119110	1.6	0.01 L	0.96	L	0.1 L	15	70	30	0.06
119120	1.5	0.33	2.77	L	0.1	10	50	30	0.04
119410	1.1	0.22	1.99	0 N	0.1 L	5	30	10	0.06
119420	0.9	0.03	0.76	200	0.1 L	10	30	15	0.04
120210	1.5	0.01 L	0.98	0 N	0.1 L	10	50	20	0.06
120220	1.4	0.01	0.94	L	0.1 L	15	50	20	0.04
120410	1.4	0.01 L	0.65	0 N	0.1 L	5	20	10	0.04 L
120420	0.8	1.34	7.19	0 N	0.1 L	7	50	20	0.05
121110	1.1	0.01 L	0.85	0 N	0.1 L	15	100	30	0.06
121120	1.8	0.01	0.87	0 N	0.1 L	7	70	10	0.05
121210	4.0	0.01	1.39	0 N	0.1 L	7	30	30	0.15
121220A	2.9	0.01 L	1.66	L	0.1 L	10	50	30	0.14
121220B	3.1	0.01 L	1.71	200	0.1 L	10	50	30	0.09
122110	1.4	0.01 L	0.31	0 N	0.1 L	5	20	7	0.04 L
122120	1.6	0.01 L	0.77	0 N	0.1 L	7	50	20	0.04 L
122310A	2.8	0.04	0.42	0 N	0.1 L	L	10	15	0.09
122310B	2.8	0.01 L	0.33	0 N	0.1 L	0 N	10	10	0.05
122320	0.9	0.01	0.27	0 N	0.1 L	0 N	20	3	0.07
123310	0.8	0.01 L	0.31	0 N	0.1 L	0 N	15	5	0.04 L
123320	2.0	0.01 L	0.25	L	0.1 L	0 N	15	5	0.04 L
123410	1.9	0.01 L	0.29	0 N	0.1 L	0 N	7	3	0.04 L
123420	0.6	0.01 L	0.30	0 N	0.1 L	0 N	10	5	0.04 L
124110	1.4	0.02	1.33	L	0.1 L	15	50	20	0.08
124120	1.3	0.33	3.08	0 N	0.1 L	15	50	30	0.04 L
124210	1.9	0.16	1.94	0 N	0.2	10	50	30	0.05
124220	1.0	0.68	4.56	0 N	0.1 L	10	30	30	0.06
125310	0.9	0.01 L	0.96	0 N	0.1 L	15	50	30	0.22
125320	0.9	0.03	1.32	150	0.1 L	10	30	20	0.04 L
125410	1.3	0.01 L	0.72	0 N	0.1 L	10	50	20	0.08
125420	1.1	0.01 L	0.70	500	0.1 L	10	50	20	0.04
126110	2.6	0.01 L	0.78	0 N	0.1 L	7	50	15	0.06
126120	1.1	0.01 L	0.66	0 N	0.1 L	5	20	7	0.04 L
126210	0.8	0.11	1.34	0 N	0.1 L	5	30	10	0.05
126220	1.4	0.01 L	0.52	0 N	0.1 L	5	15	7	0.04 L
127210	1.2	0.04	1.11	150	0.1 L	5	30	10	0.04
127220	1.1	0.36	2.79	0 N	0.1 L	10	50	15	0.12
127410	0.8	0.37	2.75	150	0.1 L	7	30	20	0.07
127420	0.9	0.47	3.39	200	0.1 L	10	50	20	0.05
128310	3.6	0.01 L	1.92	0 N	0.1 L	7	50	15	0.09
128320	1.8	0.01 L	2.99	0 N	0.1 L	10	50	20	0.06
128410	0.3	0.02	1.37	0 N	0.1 L	10	100	20	0.13
128420	2.8	0.01 L	2.19	200	0.1 L	15	70	30	0.13
129110	0.9	0.08	1.47	0 N	0.1 L	7	50	20	0.13
129120	1.5	0.08	0.78	0 N	0.1 L	7	30	7	0.07
129410A	0.6	0.01	1.97	0 N	0.1 L	10	50	15	0.23
129410B	1.6	0.01 L	1.98	0 N	0.1 L	10	50	20	0.12
129420	1.0	0.01 L	2.16	0 N	0.1 L	10	30	20	0.07
130110	1.3	0.01	1.25	150	0.1 L	7	50	20	0.04 L
130120A	1.2	0.01	0.76	0 N	0.1 L	7	30	10	0.05
130120B	1.2	0.01 L	0.76	200	0.1 L	7	30	10	0.04 L
130410	0.7	0.01 L	0.35	150	0.1 L	0 N	10	3	0.04 L
130420	1.8	0.01 L	0.82	0 N	0.2	7	50	20	0.04 L
131210	0.8	0.01 L	0.31	0 N	0.1 L	0 N	10	3	0.04 L
131220	1.4	0.01 L	0.58	150	0.1 L	5	20	7	0.04 L
131310	0.5	0.01 L	0.41	0 N	0.1 L	0 N	10	3	0.08

Field ID	Org. C, %	Crb. C, %	CaO, %	Ce, ppm	Cl, %	Co, ppm	Cr, ppm	Cu, ppm	F, %
131320	0.5	0.01 L	0.87	300	0.1 L	5	30	10	0.09
132210	1.1	0.01 L	0.94	200	0.1 L	10	50	20	0.11
132220	1.0	0.01	0.93	150	0.1 L	7	50	15	0.04
132410A	1.6	0.01 L	0.99	0 N	0.1 L	7	50	20	0.15
132410B	1.6	0.01 L	0.92	0 N	0.1 L	7	30	30	0.08
132420	1.6	0.01 L	0.95	L	0.3	7	50	20	0.14
133110	1.6	0.28	2.23	150	0.1 L	7	50	10	0.04
133120	0.6	0.01	0.59	0 N	0.1 L	5	15	7	0.04
133310	5.0	0.02	1.46	0 N	0.1 L	5	30	15	0.09
133320	1.9	0.06	0.99	0 N	0.1 L	5	30	10	0.05
134210	1.0	0.01 L	0.53	0 N	0.1 L	5	20	5	0.04 L
134220	0.7	0.01 L	0.62	0 N	0.1 L	5	30	7	0.04 L
134310	1.2	0.01 L	0.49	150	0.1 L	L	15	7	0.04 L
134320	0.8	0.88	5.26	0 N	0.1 L	10	50	20	0.08
135210A	2.1	0.01 L	0.71	500	0.1 L	0 N	10	7	0.07
135210B	2.1	0.01	0.73	0 N	0.1 L	7	50	15	0.04 L
135220	5.2	0.01 L	1.06	700	0.1 L	0 N	10	7	0.07
135410	1.1	0.01 L	0.74	300	0.1 L	0 N	7	5	0.08
135420	1.4	0.01 L	0.61	700	0.1 L	0 N	15	7	0.07
136110	2.8	0.01	1.24	0 N	0.1 L	15	70	20	0.08
136120	4.0	0.02	1.52	L	0.1 L	10	50	20	0.06
136410	4.2	0.01 L	2.76	0 N	0.1 L	15	50	50	0.09
136420	4.8	0.01	1.38	500	0.1 L	10	30	30	0.15
137310	2.4	0.01	1.15	0 N	0.1	10	70	30	0.06
137320	2.7	0.31	2.38	0 N	0.1 L	7	50	30	0.04
137410	0.4	0.01 L	0.07	0 N	0.1 L	0 N	7	1.5	0.04 L
137420	0.7	0.01 L	0.24	L	0.1 L	L	15	7	0.04
138210A	0.7	0.50	2.86	0 N	0.1 L	5	20	7	0.04 L
138210B	0.8	0.49	2.96	0 N	0.1 L	5	30	10	0.11
138220	0.6	0.01 L	0.52	150	0.1 L	5	30	7	0.04
138410	0.3	0.01 L	0.29	0 N	0.1 L	0 N	10	7	0.04 L
138420	1.0	0.01	0.54	200	0.1 L	5	20	10	0.04 L
139210	1.7	0.01	0.74	300	0.1 L	5	20	7	0.20
139220A	1.5	0.01 L	0.75	L	0.1 L	7	30	15	0.04 L
139220B	1.4	0.01 L	0.75	200	0.1 L	7	50	20	0.04
139410	0.6	0.01 L	0.62	200	0.1 L	0 N	15	3	0.04
139420	1.1	0.17	2.15	300	0.1 L	7	50	20	0.05
140110	1.5	0.01 L	0.77	0 N	0.1 L	7	30	15	0.04
140120	0.8	0.01 L	0.42	0 N	0.1 L	L	10	5	0.04 L
140310	0.8	0.01 L	0.41	0 N	0.1 L	0 N	20	3	0.04 L
140320	2.6	0.01 L	0.45	0 N	0.1 L	5	10	3	0.04 L
141210	0.6	0.01 L	0.67	0 N	0.1 L	7	30	15	0.04
141220	1.1	0.01 L	0.55	0 N	0.1 L	0 N	15	5	0.04 L
141410	2.2	0.01 L	0.75	200	0.1 L	10	50	20	0.05
141420A	0.9	0.45	2.95	0 N	0.1 L	10	50	20	0.06
141420B	1.0	0.39	2.77	L	0.1 L	10	50	20	0.10
142310	0.8	0.01 L	0.21	0 N	0.1 L	L	7	3	0.04 L
142320	1.3	0.02	0.36	0 N	0.1 L	0 N	10	5	0.05
142410	1.4	0.01	0.95	L	0.1 L	15	30	30	0.04 L
142420A	1.8	0.01 L	0.12	0 N	0.1 L	0 N	5	2	0.04 L
142420B	1.2	0.01 L	0.14	0 N	0.5	0 N	7	3	0.05
143210	1.7	0.01 L	0.42	200	0.1 L	5	15	7	0.04 L
143220	1.2	0.01 L	0.68	300	0.1 L	5	30	7	0.06
143310	2.0	0.01 L	0.40	0 N	0.1 L	0 N	7	5	0.04 L
143320	5.9	0.01 L	0.81	0 N	0.1 L	0 N	15	7	0.04 L
144310	1.1	0.01	0.74	L	0.1 L	5	20	7	0.06
144320	2.8	0.01 L	1.25	L	0.1 L	7	30	20	0.06
144410	1.5	0.01 L	0.89	0 N	0.1 L	7	50	15	0.07
144420	2.1	0.03	1.18	0 N	0.1 L	5	70	15	0.06
145210	2.0	0.02	1.47	L	0.1 L	5	30	10	0.08
145220	1.0	0.01 L	1.08	200	0.1 L	L	20	7	0.04
145410	1.8	0.01 L	1.18	L	0.1 L	5	30	15	0.17
145420	1.3	0.07	1.63	0 N	0.1 L	5	30	20	0.16
146110	3.4	0.01 L	0.41	0 N	0.1 L	0 N	5	5	0.04 L
146120	1.6	0.01 L	0.22	0 N	0.1 L	5	10	3	0.04 L

Field ID	Org. C, %	Crb. C, %	CaO, %	Ce, ppm	Cl, %	Co, ppm	Cr, ppm	Cu, ppm	F, %
146210	2.0	0.01	0.56	0 N	0.1 L	5	15	10	0.05
146220	1.1	0.01	0.11	0 N	0.1 L	0 N	5	2	0.04 L
147110	1.0	0.01 L	0.59	150	0.1 L	5	30	7	0.04 L
147120	1.0	0.01 L	0.38	500	0.1 L	5	15	5	0.04
147410	0.6	0.02	0.57	200	0.1 L	7	30	7	0.04 L
147420	1.0	0.01	0.55	150	0.1 L	5	30	7	0.04 L
148110	1.1	0.01 L	0.46	500	0.1 L	L	20	7	0.26
148120	1.5	0.01 L	0.45	200	0.1 L	5	20	7	0.04 L
148210	1.8	0.01 L	0.56	200	0.1 L	L	15	7	0.05
148220	1.7	0.01 L	0.55	L	0.1 L	5	20	7	0.06
149110A	2.5	0.01 L	1.20	150	0.1 L	7	50	20	0.06
149110B	2.2	0.01 L	1.16	150	0.1 L	7	50	20	0.04
149120	1.6	0.02	0.98	L	0.1 L	7	30	10	0.05
149310	1.4	0.01	0.77	0 N	0.1 L	5	20	7	0.09
149320	0.9	0.23	2.29	0 N	0.1 L	5	30	10	0.05
150210	2.2	0.05	0.48	0 N	0.1 L	0 N	10	3	0.04 L
150220A	4.8	0.03	1.03	200	0.1 L	5	10	10	0.05
150220B	4.6	0.02	0.96	200	0.1 L	5	10	10	0.04 L
150310	2.8	0.01 L	0.97	200	0.1 L	0 N	10	5	0.04 L
150320	1.5	0.02	1.22	500	0.1 L	5	7	3	0.12
151110	0.7	0.01 L	0.26	0 N	0.1 L	0 N	5	1.5	0.07
151120	2.3	0.01 L	0.42	L	0.1 L	7	30	20	0.04 L
151310	2.2	0.08	0.69	200	0.1 L	5	20	10	0.08
151320	1.6	0.01 L	0.29	L	0.1 L	0 N	7	3	0.04 L
152310	2.3	0.01 L	0.46	200	0.1 L	0 N	10	5	0.04 L
152320	2.4	0.01 L	0.73	L	0.1 L	5	15	7	0.05
152410A	1.2	0.01 L	0.43	0 N	0.1 L	0 N	10	3	0.04 L
152410B	1.5	0.01 L	0.47	0 N	0.1 L	0 N	10	5	0.07
152420	0.4	0.01 L	0.14	0 N	0.1 L	0 N	5	1.5	0.04 L
153110	1.4	0.01 L	0.85	200	0.1 L	5	20	7	0.04 L
153120	2.4	0.01 L	1.09	0 N	0.1 L	5	30	10	0.05
153310	0.3	0.03	0.20	0 N	0.1 L	0 N	3	1	0.06
153320	0.5	0.01 L	0.19	0 N	0.1 L	0 N	10	1	0.04 L
154110	3.6	0.01 L	0.92	500	0.1 L	7	20	15	0.06
154120	2.9	0.01 L	0.52	500	0.1 L	L	10	10	0.04
154410	5.9	0.09	1.53	500	0.1 L	L	10	15	0.16
154420	2.8	0.01	0.57	L	0.1 L	L	15	7	0.12
155310	2.4	0.03	0.37	0 N	0.1 L	0 N	7	3	0.04 L
155320	1.1	0.01 L	0.26	0 N	0.3	0 N	7	2	0.06
155410	1.8	0.01 L	0.35	0 N	0.1 L	0 N	10	2	0.04 L
155420	4.1	0.02	0.50	L	0.1 L	0 N	20	5	0.04
156111	0.7	0.01	0.24	0 N	0.1 L	0 N	15	2	0.04 L
156112	0.7	0.01 L	0.28	0 N	0.1 L	0 N	7	2	0.04 L
156120	1.0	0.01 L	0.18	0 N	0.1 L	0 N	10	1	0.04 L
156210	2.2	0.01 L	0.35	0 N	0.1 L	0 N	10	5	0.11
156220	1.2	0.01 L	0.25	0 N	0.1 L	0 N	2	1.5	0.04 L
157110	2.0	0.01 L	0.41	200	0.1 L	5	15	7	0.05
157120	2.3	0.01 L	0.58	L	0.1 L	5	30	15	0.04 L
157410A	2.6	0.01 L	0.77	150	0.1 L	5	20	10	0.04 L
157410B	2.1	0.01 L	0.79	0 N	0.1 L	5	30	10	0.05
157420	3.7	0.01 L	0.90	0 N	0.2	5	30	20	0.04 L
158110	1.0	0.01 L	0.15	0 N	0.1 L	0 N	5	1.5	0.04 L
158120	1.7	0.01 L	0.22	0 N	0.3	0 N	10	5	0.04 L
158310A	3.0	0.01 L	0.12	0 N	0.1 L	0 N	5	2	0.04 L
158310B	3.2	0.01 L	0.11	0 N	0.2	0 N	5	3	0.04 L
158320	1.0	0.01 L	0.17	0 N	0.1 L	0 N	5	2	0.04 L
159210	3.6	0.01 L	0.39	0 N	0.1 L	0 N	10	3	0.04 L
159220	2.0	0.01	0.36	0 N	0.1 L	0 N	5	2	0.04 L
159411	2.0	0.01	0.42	0 N	0.1 L	0 N	5	2	0.04 L
159412	2.1	0.01 L	0.39	150	0.1 L	0 N	5	3	0.04 L
159420A	0.6	0.01	0.41	200	0.1 L	L	15	3	0.04 L
159420B	0.6	0.01 L	0.47	300	0.1 L	L	20	3	0.05
160110	2.5	0.01 L	0.48	L	0.1 L	0 N	20	5	0.04 L
160120	1.0	0.02	0.40	200	0.1 L	0 N	10	3	0.08
160310A	2.2	0.03	0.41	0 N	0.1 L	0 N	7	3	0.05

Field ID	Org. C, %	Crb. C, %	CaO, %	Ce, ppm	Cl, %	Co, ppm	Cr, ppm	Cu, ppm	F, %
160310B	2.4	0.02	0.92	0 N	0.1 L	0 N	7	3	0.04 L
160320	2.5	0.01 L	0.51	0 N	0.1 L	5	20	7	0.04 L
161110	1.0	0.01 L	0.23	200	0.1 L	0 N	7	2	0.04 L
161120	1.6	0.01 L	0.18	0 N	0.1 L	0 N	2	1	0.04 L
161310A	3.9	0.02	0.15	L	0.1 L	0 N	7	2	0.05
161310B	0.9	0.01 L	0.84	0 N	0.1 L	0 N	10	1.5	0.10
161320	0.9	0.01 L	0.19	0 N	0.1 L	0 N	7	2	0.04 L
162210	1.8	0.01	0.42	0 N	0.1 L	0 N	10	3	0.05
162220	1.0	0.01 L	0.24	0 N	0.1 L	0 N	5	1.5	0.04 L
162310	0.2	0.01 L	0.13	0 N	0.1 L	0 N	5	2	0.04 L
162320	0.7	0.01 L	0.14	0 N	0.1 L	0 N	7	1	0.04 L
163110A	2.3	0.01 L	0.60	200	0.1 L	0 N	15	7	0.04 L
163110B	2.4	0.01 L	0.62	0 N	0.1 L	L	15	7	0.04 L
163121	1.5	0.01	0.47	200	0.1 L	0 N	7	3	0.04 L
163122	1.1	0.01 L	0.40	0 N	0.1 L	0 N	7	3	0.04 L
163210	1.6	0.01 L	0.45	200	0.1 L	0 N	5	3	0.05
163220	0.6	0.01 L	1.68	0 N	0.1	0 N	7	1.5	0.07
164110	22.1	3.18	15.20	0 N	0.1 L	0 N	15	7	0.04 L
164120	0.1	0.01 L	0.14	0 N	0.1 L	0 N	5	3	0.04 L
164310	1.1	0.01 L	0.76	0 N	0.6	7	50	15	0.06
164320	1.0	0.01 L	1.02	200	0.1 L	10	70	30	0.12
165110	1.1	0.01 L	0.47	0 N	0.1 L	7	10	10	0.04 L
165120	0.2	0.03	2.23	0 N	0.2	5	20	30	0.04
165410	1.7	0.01 L	4.07	0 N	0.1 L	10	20	10	0.04 L
165420	1.3	0.01 L	4.18	200	0.1 L	15	30	20	0.04 L
166310	1.4	0.02	0.45	0 N	0.1 L	5	15	7	0.05
166320	1.1	0.01 L	0.26	0 N	0.1 L	0 N	10	7	0.04 L
166410	0.4	0.03	1.11	0 N	0.1 L	5	10	2	0.09
166420A	0.7	0.01 L	0.19	0 N	0.1 L	0 N	5	1	0.04 L
166420B	0.6	0.01 L	0.27	0 N	0.1 L	0 N	5	1.5	0.04 L
167110	2.3	0.13	1.30	200	0.1 L	5	20	15	0.19
167120	3.5	0.04	0.98	0 N	0.1 L	L	30	30	0.06
167210	5.1	0.16	1.95	0 N	0.1 L	5	30	30	0.09
167220	1.3	0.37	2.88	L	0.1 L	7	30	20	0.04 L
168110A	2.0	0.01 L	0.63	0 N	0.1 L	0 N	7	3	0.04 L
168110B	0.5	0.01 L	0.62	0 N	0.1 L	L	15	3	0.04 L
168120	0.8	0.01 L	0.38	0 N	0.1 L	L	10	3	0.04 L
168310	1.0	0.01 L	0.44	0 N	0.1 L	L	30	5	0.04 L
168320	0.6	0.73	3.32	0 N	0.1 L	7	50	20	0.04
169210	1.9	0.01 L	0.74	0 N	0.1 L	5	10	5	0.08
169220	1.2	0.03	0.94	0 N	0.1 L	7	10	7	0.04 L
169410	1.0	0.01 L	1.00	150	0.1 L	5	30	7	0.04 L
169420	0.9	0.01 L	0.87	0 N	0.1 L	5	15	5	0.04 L
170310	5.1	0.01 L	2.78	L	0.1 L	15	70	30	0.11
170320	0.9	0.01	2.13	150	0.1 L	15	20	30	0.14
170410	2.2	0.01 L	1.61	150	0.1 L	10	50	15	0.08
170420	2.1	0.01	1.86	L	0.1 L	7	30	15	0.08
171210	1.3	0.06	0.59	0 N	0.1 L	L	7	5	0.04 L
171220	0.4	0.04	0.49	0 N	0.1 L	L	7	3	0.04 L
171410	0.6	0.01 L	0.45	0 N	0.1 L	0 N	7	7	0.04 L
171420	2.0	0.05	0.78	0 N	0.2	L	15	10	0.04 L
172110	0.4	0.01 L	1.84	0 N	0.1 L	5	20	5	0.04 L
172120	0.9	0.12	2.94	0 N	0.1 L	10	30	20	0.07
172211	0.7	0.01 L	0.62	0 N	0.1 L	L	10	3	0.05
172212	0.5	0.01 L	0.63	0 N	0.1 L	L	15	5	0.07
172220	0.6	0.01 L	0.54	0 N	0.1 L	5	15	5	0.04 L
173210	0.9	0.01 L	1.12	0 N	0.1 L	7	20	10	0.08
173220	0.9	0.01	1.22	0 N	0.1 L	10	20	10	0.10
173410	1.4	0.01	0.95	L	0.1 L	7	30	15	0.06
173420	1.6	0.01 L	1.09	200	0.1 L	7	50	20	0.06
174310	0.9	0.01	1.02	0 N	0.1 L	10	50	20	0.08
174320	1.1	0.01 L	0.94	0 N	0.1 L	5	30	10	0.05
174410	1.1	0.73	4.21	0 N	0.1 L	7	50	20	0.05
174420	2.8	0.01 L	0.82	0 N	0.1 L	7	50	20	0.04 L
175110	0.8	0.99	4.89	0 N	0.1 L	5	30	15	0.10

Field ID	Org. C, %	Crb. C, %	CaO, %	Ce, ppm	Cl, %	Co, ppm	Cr, ppm	Cu, ppm	F, %
175120	1.0	0.06	1.24	150	0.1 L	5	30	10	0.04
175410	3.2	0.20	2.13	0 N	0.1 L	7	50	20	0.05
175420	1.2	0.51	3.30	0 N	0.1 L	7	50	20	0.04
176110	0.9	0.06	1.28	700	0.1 L	5	30	10	0.05
176120	1.6	0.01 L	0.91	150	0.1 L	5	30	7	0.05
176210A	1.5	0.01 L	0.87	200	0.1 L	5	30	10	0.04 L
176210B	1.6	0.01 L	0.81	0 N	0.1 L	5	20	15	0.04 L
176220	3.4	0.02	1.36	L	0.1 L	10	50	20	0.08
177110	1.2	0.02	0.90	0 N	0.1 L	7	50	20	0.06
177120	1.0	0.17	1.55	0 N	0.1 L	7	70	20	0.04 L
177410	1.9	0.69	4.18	0 N	0.1 L	7	70	30	0.05
177420	1.7	1.70	9.13	0 N	0.1 L	7	70	30	0.14
178210	0.7	0.62	3.51	0 N	0.1 L	10	50	20	0.06
178220	1.0	0.58	3.67	0 N	0.1 L	7	50	20	0.04 L
178410	0.7	0.24	1.99	0 N	0.1 L	10	50	30	0.09
178420A	1.3	0.31	2.29	0 N	0.1 L	10	70	30	0.05
178420B	1.2	0.29	2.32	0 N	0.1 L	10	70	30	0.08
179110	0.9	1.29	6.91	0 N	0.1 L	5	50	10	0.05
179120	0.7	1.16	7.32	0 N	0.1 L	5	70	15	0.10
179410	1.2	0.04	1.18	0 N	0.1 L	7	70	10	0.04
179420	1.6	1.00	5.60	200	0.1 L	7	70	20	0.06
180110	0.7	0.10	1.24	0 N	0.1 L	5	30	10	0.08
180120	1.1	0.01 L	0.76	0 N	0.1 L	5	30	15	0.04 L
180210	1.3	0.14	3.55	0 N	0.1 L	5	30	15	0.04 L
180220	1.1	0.08	1.27	0 N	0.1 L	5	30	15	0.04 L
181310	0.9	0.01 L	0.78	0 N	1.1	7	50	15	0.04 L
181320	1.0	1.02	5.68	0 N	0.1 L	7	50	15	0.04 L
181410	1.0	0.01 L	0.47	0 N	0.1	5	30	15	0.12
181420	1.0	0.12	1.22	0 N	0.1 L	5	30	10	0.04
182210	0.4	0.12	0.63	0 N	0.1 L	5	20	7	0.05
182220	0.6	0.01 L	0.53	0 N	0.1 L	0 N	15	5	0.04 L
182310	0.5	0.20	2.57	0 N	0.1 L	5	50	7	0.04 L
182320	0.2	0.01	0.53	0 N	0.1 L	0 N	7	3	0.04 L
183110	0.7	1.00	6.97	0 N	0.1 L	7	30	10	0.04 L
183120	0.6	0.45	3.47	0 N	0.1 L	5	30	10	0.05
183310	1.8	0.01	1.37	0 N	0.1 L	10	50	100	0.08
183320	0.7	0.07	2.45	0 N	0.1 L	7	30	20	0.04 L
184210	2.3	0.01	0.65	0 N	0.1 L	7	50	15	0.05
184220	1.3	0.01	0.61	0 N	0.1 L	7	50	20	0.04
184410	1.2	0.12	1.98	0 N	0.1 L	7	50	15	0.05
184420	2.1	0.18	1.80	0 N	0.1 L	5	30	10	0.05
185310	1.3	0.01 L	0.76	0 N	0.1 L	7	30	20	0.04
185320	0.8	0.06	1.07	0 N	0.1 L	7	20	10	0.04
185410	1.0	0.17	2.25	0 N	0.1 L	10	50	30	0.06
185420	6.7	0.01	1.70	0 N	0.1 L	7	20	20	0.04 L
186110	0.6	0.01 L	0.39	0 N	0.1 L	5	30	15	0.04 L
186120	0.6	0.02	0.35	0 N	0.1 L	5	50	15	0.04 L
186310	0.3	0.01 L	0.97	0 N	0.1 L	10	30	15	0.06
186320	1.2	0.01 L	0.77	0 N	0.6	5	20	10	0.04 L
187210	0.3	0.01 L	0.10	0 N	0.1 L	0 N	2	0 N	0.04 L
187220	0.9	0.01 L	0.26	0 N	0.1 L	0 N	7	3	0.04 L
187410	0.8	0.01 L	0.17	0 N	0.4	0 N	5	2	0.04 L
187420	1.3	0.01 L	0.14	0 N	0.1 L	0 N	5	1	0.06
188310	1.6	0.01	0.85	0 N	0.1 L	10	50	20	0.04
188320	2.5	0.01 L	0.75	0 N	0.1 L	5	50	15	0.04
188410	1.3	0.01 L	1.03	L	0.1 L	7	50	10	0.05
188420	1.2	0.01 L	1.07	500	0.1 L	7	70	20	0.07
189110	2.9	0.09	1.75	L	0.1 L	7	100	30	0.08
189120	4.2	0.07	1.62	0 N	0.1 L	10	50	50	0.04
189210	2.4	0.01 L	1.62	L	0.1 L	10	50	30	0.04
189220	1.7	0.34	2.86	0 N	0.1 L	5	30	20	0.11
190110	1.5	0.07	1.27	0 N	0.1 L	7	50	20	0.12
190120	1.6	0.50	3.43	0 N	0.1 L	7	50	20	0.05
190410	2.3	0.06	1.46	L	0.1 L	10	50	30	0.09
190420	1.3	0.18	1.85	0 N	0.1 L	5	30	15	0.04

Field ID	Fe2O3, %	Ga, ppm	Ge, ppm	Hg, ppm	K2O, %	La, ppm	Li, ppm	MgO, %	Mn, ppm	Mo, pp
001210	3.78	15	2.3	0.03	3.00	L	26	0.65	700	0 N
001220	3.76	15	3.1	0.02	2.99	30	36	0.82	300	0 N
001310	5.19	20	2.9	0.06	2.32	50	36	1.27	700	0 N
001320A	5.51	15	2.8	0.02	2.66	50	37	1.05	500	0 N
001320B	5.40	15	5.2	0.02	2.73	50	34	1.05	300	0 N
002110	8.60	20	2.5	0.03	2.73	50	37	1.17	1500	0 N
002120	3.22	15	4.3	0.02	1.78	50	23	0.79	200	0 N
002410	5.48	15	B	0.02	2.85	70	37	1.33	1000	0 N
002420	7.61	20	3.4	0.01	2.51	30	34	1.95	500	0 N
003210	5.24	15	2.0	0.04	2.34	50	40	1.60	200	7
003220	5.03	15	1.9	0.03	2.49	50	38	2.33	200	5
003410	4.34	15	1.1	0.02	2.49	L	29	1.33	300	5
003420	4.72	20	1.3	0.03	2.65	50	28	1.29	200	5
004210A	4.06	15	1.7	0.02	2.36	50	27	1.18	200	0 N
004210B	4.02	15	2.6	0.02	2.37	L	27	1.15	200	0 N
004220	4.08	15	1.1	0.03	2.32	50	25	1.35	200	0 N
004410	0.99	5	4.6	0.01	0.93	0 N	12	1.48	70	L
004420	3.83	10	1.0	0.02	2.42	50	27	1.37	200	0 N
005110	2.55	15	2.1	0.02	2.35	0 N	15	0.80	150	0 N
005120	2.82	10	1.5	0.01	2.29	50	16	0.93	150	0 N
005210	2.97	10	2.6	0.02	2.32	70	22	1.25	200	0 N
005220A	2.30	10	B	0.01	2.38	30	16	0.65	200	0 N
005220B	2.01	10	2.4	0.02	2.15	30	15	0.85	150	0 N
006110A	2.38	10	2.6	0.01	2.20	100	18	0.81	200	0 N
006110B	2.35	10	0.1 L	0.01	2.19	50	14	0.82	150	0 N
006120	2.76	10	5.2	0.02	2.47	50	18	0.68	200	0 N
006310	2.16	10	1.7	0.01	2.32	L	17	1.05	200	0 N
006320	2.77	10	2.3	0.02	2.30	50	18	0.71	200	0 N
007110	2.50	10	1.0	0.02	2.60	30	18	0.64	200	0 N
007120	2.71	15	1.4	0.02	2.56	0 N	17	0.75	200	0 N
007310	2.79	15	2.4	0.04	2.50	100	20	0.62	300	0 N
007320	3.01	15	0.3	0.02	2.72	50	21	0.90	300	0 N
008110	3.35	15	0.1 L	0.02	2.76	50	25	1.17	200	0 N
008120	2.37	15	2.8	0.01	2.67	70	13	0.50	200	0 N
008210	3.02	15	4.5	0.02	3.03	50	20	1.08	200	0 N
008220	2.41	15	2.9	0.02	2.72	50	19	0.86	200	0 N
009110A	5.48	15	3.2	0.03	2.92	50	72	1.32	300	0 N
009110B	5.64	20	2.1	0.04	2.89	30	78	1.20	300	0 N
009120	7.00	15	3.1	0.03	3.22	70	50	1.51	300	0 N
009210	5.80	15	2.2	0.02	2.49	30	53	1.32	500	0 N
009220	4.85	15	1.0	0.03	2.51	50	34	1.03	300	0 N
010110	6.11	20	2.7	0.02	2.57	70	39	1.77	300	0 N
010120	3.86	15	3.7	0.03	2.40	50	35	0.75	300	0 N
010211	1.59	5	1.4	0.01	1.44	0 N	12	0.40	150	0 N
010212	1.24	0 N	0.5	0.01	1.20	0 N	10 L	0.30	150	0 N
010220	9.43	20	1.4	0.02	2.19	70	30	2.53	1000	0 N
011210	3.44	10	1.4	0.02	2.23	50	25	0.90	200	0 N
011220	4.71	15	0.1 L	0.02	2.56	30	36	1.33	300	0 N
011410	4.45	15	0.2	0.03	2.33	50	32	1.25	300	0 N
011420	5.03	15	1.5	0.03	2.48	70	35	1.11	300	0 N
012110	4.71	20	0.8	0.03	2.91	50	43	2.50	200	0 N
012120	4.66	20	2.8	0.02	2.93	70	24	1.40	500	0 N
012310	4.32	5	2.2	0.02	2.46	50	30	1.40	500	0 N
012320	4.33	20	1.0	0.02	2.41	50	28	1.31	200	0 N
013110	3.35	15	1.9	0.12	2.28	50	25	1.13	200	0 N
013120	3.70	15	2.8	0.02	2.52	50	25	1.26	200	0 N
013410	2.97	15	0.5	0.01	2.43	50	19	1.45	200	0 N
013420	2.96	15	2.9	0.02	2.23	50	21	1.40	150	0 N
014310	2.78	10	3.6	0.02	2.25	50	19	1.13	150	0 N
014320	3.12	15	3.6	0.02	2.22	50	21	1.30	200	0 N
014410	2.56	15	2.2	0.02	2.34	70	16	0.78	200	0 N
014420	3.36	15	3.0	0.02	2.34	50	24	1.05	200	0 N
015310	2.50	10	2.1	0.01	2.18	30	19	0.98	200	0 N
015320	2.96	15	0.1 L	0.02	2.42	50	21	0.95	200	0 N
015410	2.79	15	4.2	0.02	2.62	0 N	21	0.80	200	0 N

Field ID	Fe2O3, %	Ga, ppm	Ge, ppm	Hg, ppm	K2O, %	La, ppm	Li, ppm	MgO, %	Mn, ppm	Mo, pp
015420	2.63	10	1.6	0.02	2.47	30	18	0.77	200	0 N
016210	2.54	10	5.2	0.02	2.56	L	22	1.04	300	0 N
016220	2.54	12	3.5	0.02	2.69	0 N	16	0.68	200	0 N
016410	2.32	10	2.7	0.02	2.68	50	14	0.66	150	0 N
016420	1.59	10	1.5	0.01	2.79	0 N	10	0.30	150	0 N
017210	6.38	15	1.4	0.02	2.75	70	68	1.44	700	0 N
017220	7.55	20	2.2	0.02	2.80	50	55	1.43	1000	0 N
017410	2.69	20	1.3	0.02	2.07	0 N	49	0.56	700	0 N
017420A	4.11	20	3.2	0.01	2.29	50	60	0.85	200	0 N
017420B	3.85	20	3.1	0.02	2.12	0 N	68	0.82	300	0 N
018110	2.55	15	2.0	0.01	1.82	30	26	1.73	300	0 N
018120	3.51	15	3.1	0.01	2.83	L	31	1.48	300	0 N
018410	0.45	15	1.8	0.01	2.24	50	29	1.18	300	0 N
018420	4.15	15	0.5	0.01	2.53	50	35	1.73	300	0 N
019210	3.75	10	2.8	0.02	1.64	50	27	0.93	300	0 N
019220	3.24	10	1.3	0.03	1.60	L	22	0.77	200	7
019410	4.24	15	2.3	0.02	2.19	0 N	33	2.09	200	5
019420	5.07	15	2.1	0.03	2.43	50	35	1.50	200	3
020110	4.36	20	2.0	0.03	2.45	50	30	1.23	300	0 N
020120	4.58	15	0.1 L	0.03	2.45	50	37	1.70	300	0 N
020410	4.79	20	3.3	0.02	2.60	50	34	2.03	200	0 N
020420	3.57	15	0.2	0.02	2.00	0 N	21	1.10	200	0 N
021210	3.43	15	2.6	0.02	2.70	50	19	0.85	200	0 N
021220A	2.99	15	1.9	0.02	2.70	30	22	1.42	500	0 N
021220B	2.94	10	3.0	0.03	2.69	50	22	1.41	700	0 N
021311	5.00	15	1.4	0.01	2.92	50	34	1.67	500	0 N
021312	3.49	50	5.8	0.02	2.66	300	23	2.00	1000	0 N
021320	3.83	15	4.1	0.01	2.80	50	19	0.95	300	0 N
022110	4.00	15	3.0	0.02	2.54	50	26	1.18	300	0 N
022120	2.80	10	2.0	0.02	2.25	50	20	0.77	200	0 N
022410	2.59	10	1.2	0.02	2.19	100	32	1.03	200	0 N
022420	2.45	15	2.1	0.01 L	2.23	0 N	16	0.84	200	0 N
023110	3.21	15	4.0	0.02	2.43	L	24	1.05	200	0 N
023120	2.90	10	0.3	0.02	2.50	0 N	20	0.83	200	0 N
023310	3.10	10	0.8	0.02	2.22	30	27	1.45	200	0 N
023320	3.55	15	1.9	0.03	2.45	50	28	1.27	300	0 N
024310A	4.29	10	1.1	0.02	3.10	0 N	22	0.85	300	0 N
024310B	3.07	15	2.5	0.01	2.75	50	20	0.87	200	0 N
024320	3.04	15	6.1	0.02	2.54	50	21	0.98	200	0 N
024410	0.35	15	2.6	0.02	2.72	50	26	1.25	200	0 N
024420	2.05	15	1.9	0.01	2.96	50	14	0.52	300	0 N
025110	6.24	15	1.1	0.02	3.05	0 N	52	1.18	200	0 N
025120	5.53	15	0.8	0.02	2.35	50	51	0.95	300	0 N
025410	3.58	15	0.9	0.04	2.47	50	41	0.87	300	0 N
025420	5.73	20	1.2	0.02	2.68	50	122	0.93	500	0 N
026210	2.01	10	1.1	0.01	1.84	0 N	16	0.63	150	0 N
026220	4.75	20	0.1 L	0.03	1.62	L	26	0.93	300	0 N
026410	4.00	15	1.2	0.01	2.69	50	46	2.40	300	0 N
026420	3.38	15	1.4	0.01	2.51	50	42	5.38	500	0 N
027210	4.12	15	0.8	0.02	1.75	50	27	0.90	200	3
027220	2.64	10	1.3	0.02	1.00	0 N	21	0.60	150	0 N
027410	4.15	15	2.4	0.05	2.82	100	30	1.02	200	0 N
027420	5.05	20	1.5	0.04	2.49	50	46	1.81	200	0 N
028110	5.23	20	2.1	0.03	2.94	50	35	1.76	200	0 N
028120A	4.41	15	2.1	0.02	2.44	50	38	1.83	200	0 N
028120B	4.44	15	B	0.02	2.42	50	35	1.83	300	0 N
028310	4.55	15	0.5	0.02	2.60	50	19	0.95	200	0 N
028320	4.27	15	0.5	0.03	2.57	70	29	1.25	200	0 N
029210	3.63	15	0.3	0.02	2.32	50	26	1.40	200	0 N
029220	3.77	15	1.2	0.02	2.47	50	24	1.10	300	0 N
029310A	3.23	15	2.0	0.02	2.41	50	24	0.84	200	0 N
029310B	3.23	15	1.0	0.02	2.40	50	23	0.83	200	0 N
029320	4.20	15	0.4	0.02	2.49	50	32	1.45	200	0 N
030310	0.82	15	2.7	0.01	5.59	30	18	0.73	300	0 N
030320	3.95	15	2.9	0.02	2.49	70	15	0.73	300	0 N

Field ID	Fe2O3, %	Ga, ppm	Ge, ppm	Hg, ppm	K2O, %	La, ppm	Li, ppm	MgO, %	Mn, ppm	Mo, pp
030410	2.64	10	3.2	0.01	2.75	50	14	0.68	200	0 N
030420	2.91	15	2.0	0.01	2.55	0 N	17	0.85	200	0 N
031110A	2.76	15	B	0.02	2.78	50	14	0.65	200	0 N
031110B	2.66	15	1.6	0.01	2.88	30	14	0.65	300	0 N
031120	2.93	15	4.8	0.02	2.70	0 N	12	0.65	200	0 N
031210	2.28	10	1.6	0.01	2.87	0 N	14	0.61	200	0 N
031220	2.83	15	1.9	0.02	2.72	70	12	0.63	200	0 N
032110	3.20	15	3.6	0.02	3.03	50	21	0.90	300	0 N
032120	2.23	10	1.7	0.01	2.82	30	20	0.77	200	0 N
032411	3.47	15	6.2	0.04	3.29	50	18	0.80	500	0 N
032412	3.37	15	1.1	0.07	3.20	50	21	0.84	300	0 N
032420	3.79	15	2.4	0.05	3.02	50	27	1.08	300	0 N
033110	3.03	10	2.0	0.03	2.06	70	29	0.65	300	0 N
033120	3.76	20	4.7	0.02	2.40	50	38	0.58	200	0 N
033210	8.47	20	0.1 L	0.01	2.25	L	100	1.21	200	0 N
033220	7.85	20	2.1	0.02	3.17	0 N	47	1.33	200	0 N
034110	2.56	10	0.1 L	0.02	1.75	50	22	0.58	300	0 N
034120	3.23	15	1.0	0.03	1.87	50	24	0.69	200	0 N
034210A	1.18	5	3.1	0.02	0.99	0 N	14	0.22	150	0 N
034210B	3.58	5	2.1	0.02	2.37	0 N	16	0.22	150	0 N
034220	2.12	10	1.6	0.02	3.03	0 N	15	0.85	200	0 N
035110	3.86	10	0.8	0.02	2.27	L	27	1.65	200	0 N
035120	3.96	15	1.8	0.02	2.25	50	32	1.30	300	0 N
035310	4.65	15	0.8	0.03	2.33	50	33	1.58	300	3
035320	4.06	20	1.9	0.02	2.31	50	30	1.08	300	0 N
036110	4.48	15	2.5	0.02	2.59	150	32	1.47	200	0 N
036120	4.27	15	1.6	0.02	2.50	50	33	1.42	200	0 N
036410	4.57	15	2.4	0.02	2.57	70	31	1.55	200	0 N
036420	4.43	15	1.1	0.02	2.55	50	31	1.20	200	0 N
037110	3.99	15	0.1 L	0.02	2.45	70	33	1.70	300	0 N
037120	4.00	15	1.0	0.02	2.97	70	25	0.88	200	0 N
037310	4.22	15	3.6	0.02	2.96	50	23	0.97	300	0 N
037320A	4.63	15	3.1	0.02	2.73	70	32	1.38	300	10
037320B	4.51	20	2.3	0.03	2.61	100	34	1.41	500	0 N
038210	2.92	20	1.9	0.02	2.37	70	22	0.98	200	0 N
038220	2.98	10	0.1 L	0.01	2.46	50	20	1.09	200	0 N
038310	3.67	15	7.2	0.02	2.69	70	31	1.30	300	0 N
038320	3.31	20	2.4	0.01	3.09	50	29	0.99	200	L
039310A	4.23	15	1.5	0.04	3.37	50	22	1.01	200	0 N
039310B	4.36	20	2.6	0.03	3.13	100	25	1.00	300	0 N
039320	1.52	15	1.5	0.01	3.73	0 N	10 L	0.23	150	0 N
039410	3.75	15	2.3	0.18	3.59	50	20	0.76	200	0 N
039420	2.48	15	1.5	0.05	3.68	50	15	0.50	300	0 N
040210	2.23	15	2.1	0.07	3.70	50	13	0.45	200	0 N
040220	2.95	15	3.0	0.05	3.78	70	18	0.68	300	0 N
040410	1.48	10	0.2	0.02	3.44	0 N	9	0.46	150	0 N
040420	2.32	15	1.6	0.02	3.46	50	13	0.50	200	0 N
041110	3.00	20	1.3	0.02	3.76	70	34	0.65	200	0 N
041120	2.69	15	0.1 L	0.02	3.96	50	33	0.58	200	0 N
041410	2.62	20	3.5	0.03	4.14	50	31	0.50	300	0 N
041420	2.95	20	2.3	0.02	4.44	70	39	0.48	300	0 N
042110	4.52	15	1.0	0.02	2.17	50	35	1.30	200	3
042120	0.91	15	1.7	0.01	0.33	0 N	20	0.10	50	0 N
042310A	3.23	15	0.5	0.03	1.96	50	29	1.13	500	3
042310B	3.30	10	1.4	0.03	1.90	30	30	1.13	300	0 N
042320	3.39	15	2.2	0.01 L	3.06	200	31	0.63	300	0 N
043110A	4.03	15	2.3	0.02	2.85	50	32	1.16	300	L
043110B	3.94	15	2.3	0.02	2.86	50	32	1.15	200	0 N
043120	3.87	15	1.5	0.02	2.55	50	43	1.07	300	0 N
043410	3.82	15	5.5	0.02	2.53	70	30	1.55	300	0 N
043420	4.72	15	2.5	0.03	2.56	50	33	1.60	200	0 N
044310	3.57	15	6.3	0.02	2.39	50	28	1.69	300	0 N
044320	4.11	15	2.9	0.02	2.74	70	29	1.45	200	0 N
044410	4.58	20	3.8	0.02	2.44	70	36	1.61	300	0 N
044420	4.42	20	0.8	0.02	2.50	70	32	1.60	300	0 N

Field ID	Fe2O3, %	Ga, ppm	Ge, ppm	Hg, ppm	K2O, %	La, ppm	Li, ppm	MgO, %	Mn, ppm	Mo, pp
045110	4.18	15	1.8	0.03	2.47	70	30	1.35	300	0 N
045120	4.22	15	1.4	0.02	2.59	70	32	1.20	300	0 N
045210	4.15	15	1.6	0.02	2.55	50	30	1.23	300	0 N
045220	3.63	15	1.4	0.02	2.57	50	27	0.98	300	0 N
046310	3.66	15	1.1	0.10	3.31	70	20	1.19	300	0 N
046320	3.32	15	2.6	0.07	3.58	70	20	0.63	300	0 N
046410	3.83	20	2.7	0.34	3.57	70	22	0.80	500	0 N
046420	3.61	20	1.8	0.22	3.53	70	20	0.73	500	0 N
047110	2.19	15	2.0	0.03	3.65	30	14	0.34	200	0 N
047120	2.05	15	3.0	0.01	3.94	30	12	0.39	200	0 N
047210	2.32	15	1.6	0.11	3.61	L	16	0.49	200	0 N
047220	2.57	15	0.4	0.03	3.66	70	18	0.56	200	0 N
048310	1.96	15	2.3	0.03	3.44	0 N	13	0.42	200	0 N
048320A	1.43	15	1.5	0.01	3.61	70	12	0.27	200	0 N
048320B	1.47	15	B	0.02	3.53	30	10 L	0.30	200	0 N
048410	1.61	10	2.7	0.01	3.55	0 N	10	0.30	150	0 N
048420	1.47	10	2.0	0.01 L	3.53	0 N	10 L	0.24	200	0 N
049110	1.14	5	1.1	0.03	0.85	0 N	11	0.20	150	0 N
049120	2.74	20	3.9	0.03	4.28	70	58	0.52	200	0 N
049410A	4.35	15	0.4	0.02	2.37	50	31	0.93	200	0 N
049410B	4.14	15	0.1 L	0.02	2.31	100	33	0.88	300	0 N
049421	1.76	7	5.9	0.02	1.14	0 N	14	0.30	200	0 N
049422	1.70	7	0.5	0.02	1.05	0 N	14	0.30	200	0 N
050110	3.97	15	1.6	0.03	2.68	70	29	0.99	150	3
050120	4.35	15	0.6	0.03	2.87	70	28	1.30	200	3
050210	4.34	20	1.0	0.03	3.94	70	32	0.82	500	0 N
050220	3.70	15	0.3	0.02	3.02	50	24	0.80	300	3
051110	4.07	20	2.0	0.03	2.65	70	28	1.13	500	0 N
051120	3.91	15	2.1	0.03	2.77	50	31	1.45	300	0 N
051211	4.69	20	6.5	0.23	2.75	50	31	1.35	300	0 N
051212	4.68	20	3.0	0.16	2.69	70	33	1.35	300	3
051220	5.21	15	5.0	0.02	2.83	50	34	1.50	300	0 N
052110	4.28	15	2.3	0.03	2.55	70	32	1.23	200	5
052120	3.82	15	2.6	0.02	2.46	70	32	1.51	300	0 N
052210	4.37	15	5.1	0.03	2.58	50	33	1.73	150	0 N
052220	3.90	15	0.4	0.01	2.50	50	32	1.90	150	0 N
053110	4.05	15	3.3	0.04	2.99	50	19	0.87	300	0 N
053120	3.66	15	1.3	0.05	2.59	50	24	1.18	200	0 N
053310	4.11	15	1.4	0.02	2.53	50	28	1.43	300	0 N
053320	2.76	15	3.2	0.02	2.62	70	29	1.48	200	0 N
054110	3.39	20	2.8	0.26	3.43	100	22	0.71	500	L
054120	3.31	20	2.0	0.05	3.76	100	20	0.58	300	0 N
054410	2.76	20	2.1	0.03	3.99	50	16	0.50	300	0 N
054420	1.96	15	1.3	0.02	3.72	50	10	0.33	200	0 N
055110	1.23	10	3.4	0.01 L	3.96	0 N	8	0.20	150	0 N
055120	1.12	15	2.4	0.01 L	4.09	0 N	8	0.19	150	0 N
055210	1.04	15	3.3	0.01	3.78	0 N	7	0.16	150	0 N
055220	1.12	15	1.2	0.01	3.93	0 N	7	0.20	150	0 N
056210	1.17	10	3.7	0.01	3.81	0 N	7	0.18	100	0 N
056220	1.33	10	2.2	0.01 L	3.90	50	9	0.28	100	0 N
056310	2.44	15	2.8	0.01	3.63	50	17	0.59	200	0 N
056320A	1.63	15	2.8	0.01	3.67	50	10 L	0.23	150	0 N
056320B	1.08	10	0.3	0.01	3.81	30	10 L	0.23	200	0 N
057210	2.72	15	2.1	0.02	2.81	50	19	0.51	300	0 N
057220	2.11	7	2.0	0.04	2.11	L	16	0.39	500	0 N
057410	4.83	20	2.3	0.04	3.98	70	32	1.10	500	3
057420	3.66	10	0.9	0.02	1.26	30	50	0.53	200	0 N
058111	5.09	20	2.8	0.04	2.80	50	39	1.97	300	0 N
058112	5.18	30	3.8	0.07	3.13	50	35	1.50	500	0 N
058120	4.96	15	1.1	0.04	2.85	50	42	1.72	200	0 N
058310	4.34	20	4.1	0.03	2.28	50	37	1.65	200	0 N
058320	4.85	15	1.2	0.03	2.55	50	39	2.15	200	0 N
059110	4.72	20	2.1	0.02	3.23	200	34	1.56	300	L
059120	4.88	20	1.1	0.06	3.57	100	37	1.40	500	0 N
059310	4.90	20	2.1	0.03	2.85	70	31	1.62	200	0 N

Field ID	Fe2O3, %	Ga, ppm	Ge, ppm	Hg, ppm	K2O, %	La, ppm	Li, ppm	MgO, %	Mn, ppm	Mo, pp
059320	4.48	15	0.1 L	0.02	2.75	50	29	1.50	200	0 N
060210	3.73	15	2.0	0.02	3.46	70	28	0.81	500	0 N
060220	4.14	15	1.7	0.03	3.40	100	24	1.00	200	0 N
060310	4.74	20	2.1	0.03	3.06	70	30	1.34	200	0 N
060320	4.31	15	1.8	0.03	2.78	70	29	1.36	200	0 N
061110	2.61	15	3.2	0.01 L	3.71	70	10	0.34	150	0 N
061120	3.33	15	4.7	0.01	3.43	50	13	0.44	200	0 N
061310	3.09	15	0.6	0.01	3.59	30	10	0.33	150	0 N
061320	3.53	15	3.1	0.02	3.08	70	20	0.71	300	0 N
062110	3.93	20	0.1 L	0.31	3.46	100	21	0.68	500	0 N
062120	3.69	20	6.0	0.06	3.59	50	21	0.70	200	0 N
062410	4.69	20	0.1 L	0.19	3.40	100	23	0.83	500	0 N
062420	4.57	20	1.8	0.16	3.58	100	26	0.94	500	0 N
063210	1.75	15	0.6	0.02	3.73	30	10 L	0.25	200	0 N
063220	1.46	15	2.0	0.01	3.89	50	12	0.25	150	0 N
063410	1.28	10	0.8	0.01	3.74	30	10 L	0.25	150	0 N
063420	1.90	10	1.0	0.01	3.79	50	10	0.33	150	0 N
064110	1.27	15	2.0	0.01	3.62	L	10	0.24	150	0 N
064120	0.96	10	3.4	0.01 L	3.58	70	8	0.18	100	0 N
064410	0.99	15	2.5	0.01	3.78	0 N	8	0.20	100	0 N
064420A	1.26	15	2.4	0.01	3.81	0 N	7	0.18	150	0 N
064420B	1.00	15	2.0	0.01	3.61	0 N	8	0.15	150	0 N
065210	6.28	20	1.0	0.03	3.06	70	51	2.60	700	0 N
065220	5.23	20	1.3	0.03	2.90	50	38	1.98	300	0 N
065410	2.48	10	4.1	0.05	1.23	L	32	0.53	200	0 N
065420	4.41	15	3.8	0.02	3.03	50	26	0.89	300	L
066210	4.13	15	1.1	0.03	2.36	50	32	2.00	200	0 N
066220	0.49	20	3.7	0.05	2.68	50	36	1.40	200	0 N
066410A	4.74	20	2.0	0.03	2.61	50	34	1.31	200	0 N
066410B	4.92	20	0.8	0.04	2.70	100	31	1.37	200	0 N
066420	4.41	15	1.8	0.06	3.03	70	29	1.24	300	0 N
067110	4.18	15	3.8	0.04	2.26	50	34	0.52	700	0 N
067120	3.73	15	4.1	0.01	2.42	70	29	1.25	200	0 N
067310	3.34	20	4.9	0.12	2.76	70	24	1.00	300	0 N
067320A	3.09	15	3.2	0.01	2.54	0 N	16	0.58	150	0 N
067320B	2.80	15	1.5	0.02	2.59	0 N	17	0.60	150	0 N
068110	5.18	20	1.7	0.03	2.83	70	30	1.38	300	0 N
068120	5.68	20	0.7	0.02	2.65	150	37	1.45	200	0 N
068210	5.16	20	1.9	0.03	2.78	70	30	1.13	200	0 N
068220A	4.47	15	1.9	0.03	2.32	50	28	1.22	200	0 N
068220B	4.42	15	1.2	0.03	2.32	50	28	1.18	200	0 N
069310A	4.94	20	2.3	0.03	2.78	70	31	1.26	500	0 N
069310B	4.94	20	B	0.02	2.80	100	31	1.25	700	0 N
069320	5.00	15	2.1	0.02	2.36	70	32	1.51	700	0 N
069410	4.95	20	1.8	0.03	2.38	70	35	1.46	300	0 N
069420	4.92	20	2.9	0.02	2.45	200	33	1.54	500	30
070210	4.89	15	2.5	0.09	2.68	50	32	1.50	300	0 N
070220	4.49	20	2.6	0.07	2.65	70	30	1.43	300	0 N
070410	5.18	20	2.4	0.29	3.35	100	30	1.29	500	0 N
070420	4.55	15	3.3	0.06	2.83	70	26	1.10	500	0 N
071310	2.24	15	2.7	0.02	3.34	50	11	0.34	200	0 N
071320	1.46	15	0.4	0.01	3.88	30	10 L	0.20	200	0 N
071410	1.37	15	2.2	0.01	3.69	0 N	10 L	0.17	150	0 N
071420	1.45	15	2.6	0.01	3.90	70	9	0.23	200	0 N
072110	3.99	15	1.6	0.02	3.16	70	27	1.06	300	0 N
072120	2.49	15	0.9	0.02	3.40	50	15	0.66	200	0 N
072410	0.76	15	2.7	0.02	5.55	70	24	0.85	500	0 N
072420	3.60	15	2.8	0.02	2.63	70	27	1.28	300	0 N
073110	4.80	20	4.2	0.02	2.99	70	32	1.25	500	0 N
073120	6.01	10	2.4	0.04	2.77	150	62	2.73	700	0 N
073310	4.24	20	2.6	0.06	4.40	100	30	1.03	700	0 N
073320A	4.32	15	1.7	0.02	4.64	50	23	0.98	300	0 N
073320B	4.27	20	5.8	0.02	4.53	70	24	0.95	300	0 N
074310	4.46	20	3.4	0.18	3.41	50	26	1.08	200	0 N
074320	4.26	20	3.0	0.05	3.40	50	29	0.79	200	0 N

Field ID	Fe2O3, %	Ga, ppm	Ge, ppm	Hg, ppm	K2O, %	La, ppm	Li, ppm	MgO, %	Mn, ppm	Mo, pp
074410	4.21	20	1.6	0.04	2.61	70	25	0.80	200	0 N
074420A	3.14	15	2.5	0.01	3.29	50	17	0.57	200	0 N
074420B	3.14	15	2.5	0.02	3.29	70	19	0.57	200	3
075110A	4.78	20	3.0	0.03	2.96	50	19	0.70	200	0 N
075110B	4.81	15	3.4	0.03	2.98	70	23	0.75	200	0 N
075120	5.34	15	0.8	0.03	2.96	150	21	0.83	200	0 N
075210	5.01	15	1.4	0.03	3.01	50	16	0.61	200	0 N
075220	4.80	15	2.7	0.02	3.04	50	13	0.50	200	0 N
076310	4.83	15	3.3	0.03	2.24	50	34	1.32	300	0 N
076320A	4.85	15	0.1 L	0.02	2.38	70	31	1.38	300	0 N
076320B	4.81	15	0.9	0.03	2.35	50	31	1.41	200	0 N
076410	4.50	20	6.8	0.03	2.44	50	30	1.14	300	0 N
076420	4.38	15	1.0	0.04	2.56	50	30	1.18	300	0 N
077210	4.44	15	0.6	0.02	2.61	50	26	0.98	300	0 N
077220	3.73	15	4.5	0.02	2.39	50	22	0.84	500	0 N
077310	3.87	15	1.1	0.03	2.46	50	22	0.83	500	0 N
077320	3.34	10	3.3	0.02	2.45	50	19	0.66	300	5
078210	3.46	15	2.8	0.02	2.21	50	23	0.95	200	0 N
078220	3.97	15	1.8	0.04	2.36	50	25	1.00	500	0 N
078310	3.66	15	2.7	0.02	2.21	50	21	0.89	200	3
078320A	5.57	20	1.2	0.57	3.36	70	30	1.22	700	0 N
078320B	5.53	20	1.4	0.44	3.36	100	33	1.27	700	0 N
079110	1.94	15	4.2	0.02	3.43	50	10	0.33	200	0 N
079120	1.64	15	1.8	0.01	3.57	30	10 L	0.20	200	0 N
079310A	1.52	15	1.5	0.01	3.69	0 N	11	0.23	150	0 N
079310B	1.41	10	1.8	0.01	3.70	50	8	0.23	150	0 N
079320	2.49	15	2.1	0.02	3.50	50	15	0.50	200	0 N
080110	1.52	10	1.9	0.01	3.40	70	10 L	0.20	200	0 N
080120	1.50	15	2.1	0.01 L	3.47	50	10	0.26	150	0 N
080210	1.97	15	4.9	0.01	3.25	50	10	0.38	200	0 N
080220	1.74	15	2.1	0.01	3.41	L	9	0.30	150	0 N
081210	4.70	20	5.7	0.02	3.96	70	25	0.93	300	0 N
081220	3.42	20	0.9	0.02	3.75	30	25	0.48	200	0 N
081410	2.26	10	2.9	0.04	5.13	50	12	0.32	300	0 N
081420A	2.52	10	0.3	0.07	1.69	30	20	0.45	500	0 N
081420B	2.39	10	4.7	0.08	1.73	0 N	20	0.50	500	0 N
082210	3.61	15	1.9	0.05	2.21	50	27	0.63	500	0 N
082220	3.13	15	2.0	0.04	2.07	50	23	0.58	200	0 N
082410	2.81	15	1.7	0.03	2.35	50	17	0.50	200	0 N
082420	3.06	15	4.4	0.04	2.44	50	19	0.50	700	0 N
083110	4.32	15	1.3	0.05	1.69	L	27	0.89	200	0 N
083120	3.67	15	1.8	0.06	1.73	30	28	0.63	300	0 N
083310	4.51	15	3.5	0.03	2.32	50	26	0.93	300	0 N
083320	4.81	20	2.6	0.03	2.30	70	33	1.04	300	0 N
084310	2.89	10	0.9	0.01	1.84	50	16	0.70	200	0 N
084320	3.67	15	2.6	0.03	2.02	50	17	0.73	500	0 N
084410A	4.09	15	0.9	0.16	2.26	70	31	1.13	300	3
084410B	4.29	15	0.2	0.20	2.26	50	25	1.13	500	5
084420	3.43	15	1.7	0.03	1.93	50	23	0.85	200	0 N
085210	3.88	15	3.5	0.02	2.44	70	26	0.90	500	0 N
085220	3.53	10	1.8	0.03	2.16	L	23	0.81	500	0 N
085310	3.86	15	2.2	0.02	2.36	50	27	1.00	300	0 N
085320	3.28	15	1.1	0.09	2.34	100	22	0.63	500	L
086310	2.46	15	3.1	0.03	3.83	50	14	0.43	200	0 N
086320A	2.46	15	2.1	0.04	4.08	70	15	0.40	200	0 N
086320B	2.45	15	0.1 L	0.04	4.03	70	13	0.40	200	0 N
086410	3.73	15	1.8	0.03	2.83	70	25	0.98	500	0 N
086420	1.93	15	3.9	0.01	3.95	0 N	9	0.31	200	0 N
087110A	1.76	15	1.6	0.02	3.52	70	10	0.30	200	0 N
087110B	1.84	15	2.6	0.01	3.57	L	11	0.31	200	0 N
087120	1.86	10	1.1	0.01	3.61	50	10	0.28	300	0 N
087210	1.95	15	1.9	0.02	3.50	50	10	0.24	200	0 N
087220	2.22	15	2.6	0.02	3.34	50	10	0.35	200	0 N
088110	2.76	15	0.3	0.02	3.29	70	16	0.55	500	0 N
088120	0.82	10	2.5	0.01 L	3.97	0 N	7	0.16	150	0 N

Field ID	Fe2O3, %	Ga, ppm	Ge, ppm	Hg, ppm	K2O, %	La, ppm	Li, ppm	MgO, %	Mn, ppm	Mo, pp
088410A	2.14	10	1.9	0.01	2.90	50	13	0.32	300	0 N
088410B	2.07	10	1.5	0.01	2.83	30	13	0.36	300	0 N
088420	2.12	10	0.1 L	0.02	2.85	50	11	0.33	300	0 N
089110	4.69	20	1.5	0.02	2.47	0 N	15	1.13	500	0 N
089120	2.34	20	5.9	0.04	3.78	0 N	15	0.35	200	0 N
089410	0.60	20	4.1	0.02	2.49	50	54	1.08	500	0 N
089420	6.75	20	3.3	0.02	2.72	50	39	0.96	500	0 N
090210	3.09	15	1.9	0.03	1.59	30	20	0.77	700	0 N
090220	3.34	15	1.7	0.03	1.83	50	18	0.74	150	0 N
090310	5.17	15	1.6	0.03	2.52	0 N	22	0.91	200	0 N
090320	4.62	15	2.6	0.03	2.53	0 N	20	0.88	300	3
091110	3.94	15	1.3	0.06	2.41	50	21	0.80	300	0 N
091120	3.65	10	0.1 L	0.05	2.32	70	16	0.69	300	0 N
091210A	3.83	15	0.7	0.07	2.25	50	22	0.98	300	0 N
091210B	3.95	10	0.5	0.08	2.27	50	22	1.00	300	0 N
091220	4.06	15	3.1	0.03	2.42	50	26	0.90	300	0 N
092311	3.95	30	1.9	0.10	2.36	70	27	1.20	500	3
092312	4.00	15	0.5	0.17	2.38	50	24	1.05	300	3
092320	6.34	15	3.5	0.02	2.37	50	33	1.28	300	0 N
092410	1.06	15	1.9	0.12	0.94	50	24	0.79	500	0 N
092420	5.28	20	2.1	0.05	2.21	50	32	1.30	200	0 N
093310	3.62	15	1.9	0.12	2.47	150	20	0.90	500	0 N
093320	3.30	15	2.4	0.01	3.76	70	18	0.65	300	0 N
093410	2.35	15	1.3	0.04	4.17	50	11	0.41	150	0 N
093420	2.79	15	2.3	0.07	3.68	70	13	0.39	500	0 N
094110A	4.32	15	2.6	0.03	3.28	50	25	0.95	200	0 N
094110B	4.23	20	2.4	0.03	3.16	100	27	1.00	500	0 N
094120	3.15	15	2.9	0.02	3.42	70	18	0.71	500	0 N
094410	2.82	15	1.2	0.03	3.60	50	18	0.51	500	0 N
094420	3.29	15	1.1	0.04	3.51	70	15	0.60	500	0 N
095110A	4.17	15	1.1	0.02	2.65	70	25	1.03	500	0 N
095110B	4.25	15	3.2	0.03	2.72	50	26	1.07	500	0 N
095120	4.70	20	2.2	0.03	2.68	70	27	1.15	300	0 N
095410	5.31	15	1.9	0.03	2.32	70	29	1.00	300	0 N
095421	4.58	20	1.0	0.02	2.63	70	23	0.86	200	L
095422	2.86	15	2.7	0.02	2.69	50	18	0.62	150	0 N
096110	4.34	20	1.7	0.02	3.04	70	27	1.12	500	0 N
096120	4.55	15	0.1 L	0.03	2.73	70	27	1.41	300	0 N
096310A	3.75	15	1.2	0.04	1.97	50	27	0.90	200	0 N
096310B	3.84	15	2.4	0.04	2.03	L	27	0.91	300	0 N
096320	4.45	15	2.6	0.03	2.87	70	25	1.08	300	0 N
097110	3.56	30	4.4	0.02	3.76	0 N	76	0.74	300	0 N
097120A	9.12	20	2.4	0.02	1.37	0 N	18	2.13	1000	L
097120B	8.95	20	2.2	0.02	1.38	0 N	20	2.16	1000	0 N
097210	6.55	20	2.5	0.02	2.89	70	31	1.63	200	0 N
097220	5.49	20	1.9	0.02	2.66	50	24	1.17	300	0 N
098210	10.90	20	B	0.03	3.03	70	24	3.70	1500	3
098220	10.70	20	1.6	0.05	3.02	70	26	2.62	1500	0 N
098310	6.18	20	2.1	0.26	3.28	70	22	1.38	1500	0 N
098320A	5.81	20	1.3	0.27	2.47	50	21	1.38	500	0 N
098320B	5.73	20	3.1	0.24	2.53	50	21	1.38	700	0 N
099110	5.12	20	6.0	0.25	2.98	70	17	1.05	300	0 N
099120	4.97	20	2.0	0.10	2.79	50	17	1.11	700	3
099210	4.95	15	1.6	0.29	3.08	150	16	0.83	500	3
099220	6.77	20	8.2	0.77	3.42	70	28	1.35	1000	20
100210	2.92	15	1.5	0.11	2.59	70	17	0.92	300	0 N
100220	4.21	15	1.9	0.12	3.42	70	13	0.68	300	0 N
100310	4.73	15	2.0	0.26	3.08	70	15	0.72	300	0 N
100320	5.35	20	1.9	0.37	2.95	150	15	0.58	500	0 N
101210	3.44	20	3.1	0.02	3.69	100	20	0.71	700	0 N
101220A	2.29	15	2.8	0.38	3.73	70	13	0.41	200	0 N
101220B	2.17	15	2.0	0.34	3.78	50	13	0.43	200	3
101310	3.35	15	3.5	0.21	3.79	70	19	0.77	300	0 N
101320	3.76	15	1.0	0.33	3.36	70	23	1.06	500	0 N
102110	2.13	15	3.6	0.01	3.48	0 N	10	0.35	200	0 N

Field ID	Fe2O3, %	Ga, ppm	Ge, ppm	Hg, ppm	K2O, %	La, ppm	Li, ppm	MgO, %	Mn, ppm	Mo, pp
102120	2.14	10	1.9	0.02	3.51	50	9	0.28	200	0 N
102410	0.92	10	3.0	0.01	4.09	0 N	4	0.10	100	0 N
102420	3.52	15	2.4	0.03	3.22	70	19	0.67	500	0 N
103310	4.12	15	2.5	0.03	3.15	100	24	0.87	300	0 N
103320	4.91	15	1.8	0.02	3.00	70	25	1.00	500	0 N
103410	1.70	10	1.2	0.01	3.49	70	6	0.18	200	0 N
103420A	4.09	15	1.3	0.03	3.22	70	20	0.78	300	0 N
103420B	3.98	10	2.1	0.03	3.03	70	21	0.73	700	0 N
104310	4.85	15	0.8	0.02	2.89	50	26	1.07	500	0 N
104320	4.72	20	1.9	0.02	2.89	70	30	1.03	700	0 N
104410A	4.70	15	1.3	0.02	2.83	70	21	1.02	500	0 N
104410B	4.67	15	0.1 L	0.03	3.00	70	23	1.02	500	0 N
104421	5.28	20	2.7	0.03	2.85	70	29	1.21	700	3
104422	4.75	15	0.1 L	0.03	2.89	70	22	0.83	700	0 N
105310	6.90	20	0.7	0.03	2.24	50	15	1.18	1000	0 N
105320	7.21	20	1.7	0.02	2.46	L	17	1.31	1500	0 N
105411	6.57	20	3.1	0.02	1.66	0 N	15	1.50	500	0 N
105412	7.25	20	2.2	0.02	1.72	30	18	1.65	700	0 N
105420	6.52	20	2.8	0.02	1.88	70	16	1.65	1000	0 N
106110	5.96	20	1.4	0.04	2.48	50	22	0.78	500	0 N
106120	5.61	15	1.4	0.03	2.47	100	18	0.70	300	0 N
106410	5.01	15	2.7	0.04	2.33	30	31	1.50	300	0 N
106420	2.36	10	1.6	0.03	1.27	0 N	19	0.50	200	0 N
107110	9.09	20	2.6	0.12	3.35	70	17	1.47	500	0 N
107120	7.80	20	1.2	0.10	3.04	70	25	1.43	500	0 N
107410	8.77	15	0.1 L	0.02	2.66	50	16	1.39	700	0 N
107420	7.64	20	2.8	0.04	2.89	70	19	1.27	500	0 N
108210	7.57	20	1.1	0.05	0.02 L	50	22	1.55	1000	0 N
108220	7.85	20	0.8	0.06	2.51	70	22	1.67	1000	3
108310	7.07	20	1.8	0.06	3.18	50	21	1.50	700	0 N
108320	6.70	20	3.1	0.17	3.22	50	19	1.23	700	3
109110	1.49	15	2.9	0.01	4.30	50	10	0.27	200	0 N
109120	1.50	10	0.9	0.02	4.33	0 N	10 L	0.25	150	0 N
109210	3.08	15	1.2	0.28	4.15	70	17	0.63	300	0 N
109220	0.37	15	2.4	0.02	3.57	50	20	1.00	300	0 N
110211	3.55	15	3.0	0.02	3.61	50	18	0.72	300	0 N
110212	2.60	15	2.1	0.02	3.93	50	14	0.50	200	0 N
110220	4.96	15	1.5	0.03	3.15	70	24	1.21	500	0 N
110410	1.09	15	3.0	0.01	4.77	150	10 L	0.10	150	0 N
110420	2.24	15	2.1	0.01	4.15	30	12	0.38	300	0 N
111110	3.64	20	2.4	0.02	3.25	70	19	0.58	700	0 N
111120A	5.38	30	3.6	0.03	2.80	100	31	1.33	500	0 N
111120B	5.53	15	1.0	0.02	2.91	100	27	1.29	500	0 N
111310	4.42	15	2.5	0.02	3.34	70	14	0.50	500	0 N
111320	7.45	20	1.7	0.03	3.07	70	24	1.04	500	0 N
112110	1.89	15	1.6	0.02	3.25	50	10 L	0.27	300	0 N
112120	2.95	15	2.3	0.02	3.21	70	17	0.62	300	0 N
112210	1.86	10	0.2	0.01	3.50	70	10	0.26	200	0 N
112220	2.67	10	1.1	0.02	3.10	50	17	0.50	200	0 N
113110A	4.56	20	2.0	0.03	3.84	150	31	1.05	500	0 N
113110B	4.40	20	2.3	0.03	3.79	100	18	0.88	700	0 N
113120	4.87	20	2.1	0.02	4.17	100	31	1.01	300	0 N
113410	2.87	30	1.8	0.03	4.34	50	24	0.53	500	0 N
113420	3.46	20	3.4	0.03	3.68	150	40	0.77	500	0 N
114110	4.29	15	3.7	0.02	3.99	70	28	0.92	300	0 N
114120	3.88	20	1.9	0.03	1.79	70	24	1.45	500	0 N
114210	3.94	20	3.1	0.03	1.53	150	30	0.94	1000	0 N
114220	3.11	20	2.5	0.03	4.03	50	14	0.39	300	0 N
115110	3.96	15	3.2	0.02	2.36	0 N	23	1.00	200	0 N
115120	3.71	15	0.9	0.03	2.16	L	23	0.78	300	0 N
115310	5.09	15	1.7	0.02	2.91	50	29	1.58	300	3
115320	4.25	15	2.6	0.03	2.73	50	29	1.08	200	5
116110	4.28	15	0.7	0.03	3.67	70	18	0.58	300	0 N
116120	2.96	20	1.6	0.02	5.58	150	24	0.52	300	0 N
116410	2.61	20	3.1	0.02	5.07	100	16	0.43	300	0 N

Field ID	Fe2O3, %	Ga, ppm	Ge, ppm	Hg, ppm	K2O, %	La, ppm	Li, ppm	MgO, %	Mn, ppm	Mo, pp
116420	3.70	20	0.6	0.03	4.62	150	25	0.73	700	0 N
117110	6.37	20	2.2	0.02	2.45	50	29	1.40	700	0 N
117120	6.61	20	1.3	0.03	2.56	50	32	1.30	500	0 N
117410A	6.72	15	2.8	0.04	2.35	50	29	1.17	500	0 N
117410B	6.43	20	1.3	0.03	2.27	50	29	1.12	500	0 N
117420	6.37	20	2.0	0.02	2.55	70	25	1.43	500	0 N
118110	1.17	10	2.9	0.01	4.49	L	7	0.18	150	0 N
118120	2.30	15	1.4	0.01	4.35	50	11	0.43	200	0 N
118410	3.02	10	2.6	0.01	5.86	50	10	0.23	150	0 N
118420	2.88	15	1.7	0.02	3.50	70	14	0.52	300	0 N
119110	4.30	20	3.2	0.03	3.22	100	20	0.87	1000	0 N
119120	4.78	20	2.4	0.03	3.03	70	26	1.20	500	0 N
119410	3.20	15	2.3	0.02	2.97	70	19	0.75	200	0 N
119420	4.81	20	2.4	0.02	3.13	100	18	0.73	500	0 N
120210	4.47	15	2.4	0.03	2.96	70	23	0.88	700	0 N
120220	4.79	20	1.5	0.02	3.12	70	24	0.97	500	0 N
120410	2.23	15	2.5	0.02	3.11	50	15	0.50	200	0 N
120420	4.13	15	0.9	0.02	2.52	50	27	1.59	200	0 N
121110	5.67	30	2.8	0.01	3.30	70	37	1.50	300	0 N
121120	4.10	20	2.1	0.03	3.05	50	26	1.03	200	0 N
121210	4.43	20	2.2	0.03	3.10	50	30	0.95	1500	0 N
121220A	6.40	15	3.4	0.03	2.77	70	32	1.25	700	3
121220B	6.47	20	1.5	0.03	2.93	100	34	1.23	500	0 N
122110	1.84	20	2.4	0.02	4.13	30	10	0.25	200	0 N
122120	4.56	15	2.4	0.03	3.48	30	29	0.98	200	3
122310A	1.02	5	1.4	0.03	0.53	0 N	11	0.18	200	0 N
122310B	0.94	5	1.2	0.02	0.50	0 N	12	0.19	150	0 N
122320	2.30	10	2.3	0.01	4.40	50	14	0.33	100	0 N
123310	1.18	15	1.7	0.01	4.94	50	11	0.17	200	0 N
123320	1.24	15	3.4	0.01	5.04	70	10	0.16	150	0 N
123410	1.13	10	2.1	0.02	4.42	30	10	0.10	200	0 N
123420	1.20	10	0.3	0.02	4.50	30	10	0.15	150	0 N
124110	0.72	20	3.6	0.02	2.81	70	19	1.00	500	3
124120	8.68	15	1.9	0.02	2.79	50	19	1.13	1000	0 N
124210	0.52	20	2.4	0.02	2.86	50	26	1.23	500	0 N
124220	6.34	20	2.6	0.02	2.61	50	27	1.13	500	0 N
125310	5.16	20	2.1	0.03	3.04	70	28	1.13	700	0 N
125320	5.70	15	2.8	0.01	3.46	70	18	0.88	500	0 N
125410	3.63	15	2.5	0.02	3.49	70	22	0.75	500	0 N
125420	3.72	15	0.8	0.02	3.49	200	17	0.73	500	0 N
126110	3.29	15	1.7	0.02	3.29	70	20	0.65	500	0 N
126120	2.77	15	2.1	0.02	3.11	50	14	1.05	150	0 N
126210	2.60	15	2.9	0.02	3.19	50	17	0.65	150	0 N
126220	1.70	15	4.3	0.02	3.75	50	9	0.40	300	0 N
127210	2.52	15	2.0	0.02	3.46	70	14	0.62	200	0 N
127220	3.37	15	2.4	0.03	3.02	70	23	0.95	300	0 N
127410	3.69	15	2.5	0.02	2.73	70	16	0.71	150	0 N
127420	4.17	20	3.4	0.01	2.92	70	24	1.20	200	0 N
128310	4.39	10	0.6	0.04	2.97	50	19	1.13	300	0 N
128320	6.44	20	0.7	0.02	2.49	50	16	2.24	700	0 N
128410	5.89	30	3.0	0.01	3.38	70	27	1.77	200	0 N
128420	6.63	20	0.6	0.04	3.29	150	21	1.75	500	0 N
129110	4.40	15	2.7	0.02	3.10	70	28	1.10	300	0 N
129120	2.83	20	2.1	0.02	4.65	70	20	0.58	200	0 N
129410A	4.07	20	1.6	0.02	2.71	50	23	1.20	500	0 N
129410B	4.23	20	6.9	0.02	2.87	70	18	1.23	500	0 N
129420	6.30	20	1.1	0.02	2.34	50	22	1.15	300	0 N
130110	4.68	15	0.4	0.03	3.33	70	28	0.94	300	0 N
130120A	2.94	15	3.8	0.01	3.67	70	18	0.55	300	L
130120B	2.93	15	1.4	0.02	3.57	100	16	0.59	300	0 N
130410	1.80	20	2.8	0.02	5.68	70	13	0.21	200	0 N
130420	3.51	15	0.1 L	0.03	3.27	50	19	0.70	500	0 N
131210	1.02	15	4.7	0.02	4.69	50	11	0.19	70	0 N
131220	2.79	20	4.5	0.04	4.33	100	15	0.45	150	0 N
131310	1.17	15	2.2	0.02	4.31	50	10	0.27	100	0 N

Field ID	Fe2O3, %	Ga, ppm	Ge, ppm	Hg, ppm	K2O, %	La, ppm	Li, ppm	MgO, %	Mn, ppm	Mo, pp
131320	6.54	30	1.7	0.05	3.95	150	27	0.66	150	0 N
132210	4.51	15	2.0	0.02	3.27	150	24	0.83	500	0 N
132220	4.62	15	4.0	0.02	3.34	70	23	0.80	200	0 N
132410A	4.77	15	3.3	0.03	3.21	70	26	0.84	200	0 N
132410B	4.77	20	3.3	0.03	3.14	70	23	0.86	200	0 N
132420	3.74	15	2.1	0.02	3.22	70	23	0.77	300	0 N
133110	3.13	15	2.5	0.01	3.19	70	19	0.87	200	0 N
133120	1.74	15	3.4	0.01	3.56	L	12	0.38	150	0 N
133310	3.07	15	2.3	0.02	3.27	50	19	0.65	200	0 N
133320	2.44	15	1.9	0.02	3.80	50	14	0.51	150	0 N
134210	1.40	15	1.2	0.01	3.72	0 N	12	0.41	150	0 N
134220	2.29	15	2.3	0.02	3.37	70	14	0.50	500	0 N
134310	1.79	10	2.0	0.01	3.42	70	12	0.30	150	0 N
134320	5.09	15	0.5	0.02	2.76	70	30	1.44	200	0 N
135210A	5.64	30	0.9	0.07	4.66	200	36	0.32	700	3
135210B	5.60	15	6.2	0.03	4.65	50	34	0.43	200	0 N
135220	5.98	30	1.6	0.07	4.34	300	47	0.30	1000	0 N
135410	4.45	30	4.3	0.01	5.15	150	24	0.32	700	3
135420	6.17	30	0.6	0.03	4.52	300	37	0.55	500	3
136110	6.32	15	1.1	0.02	3.34	50	27	1.58	1000	0 N
136120	5.67	20	2.3	0.02	2.96	50	26	1.48	700	0 N
136410	7.92	15	1.0	0.03	2.70	50	23	2.16	500	0 N
136420	4.84	20	1.8	0.05	3.40	200	31	1.90	700	0 N
137310	5.45	20	2.0	0.03	2.43	50	37	1.27	300	3
137320	5.17	15	1.1	0.03	2.56	50	31	1.43	300	0 N
137410	0.94	15	2.9	0.01	5.82	70	14	0.09	70	0 N
137420	2.42	20	1.3	0.02	5.18	70	28	0.31	150	0 N
138210A	2.26	15	1.6	0.02	4.36	70	21	0.53	150	0 N
138210B	2.26	15	2.1	0.01	4.25	70	25	0.53	200	0 N
138220	2.50	15	2.8	0.01	4.52	70	23	0.48	150	0 N
138410	1.50	20	1.2	0.02	6.03	70	17	0.25	150	0 N
138420	2.60	20	1.5	0.02	5.23	150	24	0.45	200	0 N
139210	2.13	15	2.0	0.02	4.33	200	14	0.40	300	0 N
139220A	3.63	15	0.9	0.02	3.66	70	22	0.75	300	0 N
139220B	3.59	15	1.8	0.03	3.68	100	23	0.72	300	0 N
139410	3.63	20	3.0	0.02	4.57	150	20	0.43	150	0 N
139420	4.31	20	2.2	0.02	3.42	150	30	1.09	300	0 N
140110	3.13	20	0.1 L	0.01	3.57	50	18	0.62	200	0 N
140120	1.08	10	1.6	0.01	4.01	50	7	0.22	150	0 N
140310	1.04	15	2.6	0.01	4.36	50	8	0.23	100	0 N
140320	1.04	15	0.3	0.01 L	3.98	0 N	6	0.22	150	0 N
141210	3.51	15	4.1	0.02	3.36	70	21	0.93	150	0 N
141220	1.76	15	2.1	0.02	3.66	50	10	0.31	150	0 N
141410	3.13	20	3.7	0.02	3.25	150	19	0.65	500	0 N
141420A	4.22	20	1.6	0.03	2.95	70	29	1.22	300	0 N
141420B	4.24	20	2.1	0.03	2.98	70	31	1.23	500	0 N
142310	2.57	15	6.0	0.03	5.10	50	17	0.19	300	0 N
142320	1.36	15	2.3	0.02	5.10	50	13	0.20	300	0 N
142410	10.90	20	5.4	0.02	3.99	70	16	0.85	700	0 N
142420A	0.66	15	0.1 L	0.02	4.79	50	11	0.08	100	0 N
142420B	0.72	15	2.3	0.02	4.88	50	11	0.11	100	0 N
143210	1.83	15	3.2	0.02	5.49	100	18	0.33	300	0 N
143220	3.46	20	1.6	0.03	4.18	150	23	0.68	200	0 N
143310	1.31	15	0.3	0.02	5.15	50	11	0.20	150	0 N
143320	1.29	15	0.9	0.04	4.39	50	10	0.27	300	0 N
144310	3.05	20	1.4	0.02	3.70	70	19	0.60	200	0 N
144320	4.24	20	2.9	0.02	3.64	70	23	0.89	200	0 N
144410	3.40	20	2.9	0.02	3.54	70	22	0.69	300	0 N
144420	2.63	15	1.3	0.02	3.37	50	16	0.60	300	0 N
145210	3.57	15	0.1 L	0.02	2.68	70	16	0.65	200	0 N
145220	1.95	15	1.9	0.01	3.22	100	10	0.28	150	0 N
145410	4.50	20	3.1	0.05	2.93	100	24	1.11	150	0 N
145420	3.46	20	2.2	0.04	2.81	50	20	1.30	150	0 N
146110	0.76	10	2.3	0.02	4.00	0 N	7	0.11	150	20
146120	1.40	15	1.6	0.02	5.26	50	15	0.14	200	0 N

Field ID	Fe2O3, %	Ga, ppm	Ge, ppm	Hg, ppm	K2O, %	La, ppm	Li, ppm	MgO, %	Mn, ppm	Mo, pp
146210	1.85	20	0.4	0.04	4.68	50	17	0.30	500	0 N
146220	0.68	10	1.6	0.01	5.58	0 N	9	0.10	150	0 N
147110	2.68	20	2.1	0.01	4.65	100	19	0.49	200	0 N
147120	2.07	15	1.9	0.02	4.41	300	17	0.38	150	0 N
147410	2.94	20	2.3	0.02	4.37	100	27	0.60	200	0 N
147420	2.45	15	5.3	0.02	4.80	70	19	0.41	150	0 N
148110	1.99	20	1.9	0.02	4.52	200	15	0.31	200	0 N
148120	1.82	20	2.1	0.02	4.25	150	13	0.28	300	0 N
148210	2.74	20	3.5	0.03	4.26	100	17	0.40	100	0 N
148220	2.60	15	2.7	0.01	4.28	100	19	0.49	200	0 N
149110A	3.69	15	2.4	0.01	3.16	70	22	0.96	300	0 N
149110B	3.90	20	1.9	0.02	3.11	70	23	0.95	500	0 N
149120	2.77	20	3.7	0.02	3.87	70	17	0.65	300	0 N
149310	2.12	20	1.9	0.02	3.83	70	15	0.35	300	0 N
149320	3.39	15	1.1	0.03	3.67	70	23	0.90	200	0 N
150210	1.88	10	3.1	0.02	2.57	50	17	0.25	500	0 N
150220A	3.68	20	2.9	0.04	4.58	100	22	0.38	1000	0 N
150220B	4.04	20	3.3	0.04	4.49	100	23	0.35	1000	0 N
150310	3.78	20	1.0	0.04	3.99	100	26	0.36	1000	0 N
150320	7.77	30	5.1	0.03	3.47	300	48	0.53	700	0 N
151110	1.20	20	0.6	0.02	5.52	70	12	0.13	100	0 N
151120	1.47	20	0.5	0.03	4.17	100	23	0.15	700	0 N
151310	3.42	20	3.7	0.03	5.56	100	29	0.57	300	0 N
151320	1.92	15	1.1	0.03	5.70	70	15	0.15	500	0 N
152310	1.58	15	0.6	0.02	5.02	150	12	0.22	150	0 N
152320	2.07	30	3.8	0.02	5.97	100	17	0.38	500	0 N
152410A	1.60	15	1.1	0.01	4.94	70	12	0.20	150	0 N
152410B	1.51	20	4.1	0.01	4.97	70	11	0.23	500	0 N
152420	0.69	15	2.2	0.01	5.65	0 N	9	0.08	150	0 N
153110	1.80	20	2.3	0.02	3.65	100	13	0.33	200	0 N
153120	2.66	15	0.5	0.02	3.36	70	17	0.50	300	0 N
153310	0.63	15	0.7	0.01	5.71	50	10 L	0.10	150	0 N
153320	0.81	20	2.8	0.01	6.42	50	9	0.14	150	0 N
154110	6.04	30	5.4	0.03	4.24	300	28	0.75	700	0 N
154120	3.61	50	3.7	0.03	5.48	300	14	0.23	700	3
154410	7.90	30	3.7	0.06	4.04	200	27	0.53	1500	5
154420	4.60	30	2.3	0.03	4.98	100	26	0.27	700	3
155310	0.97	20	1.8	0.02	6.32	50	9	0.14	200	0 N
155320	1.19	20	1.8	0.01	6.75	50	14	0.15	300	0 N
155410	0.97	15	2.0	0.02	5.73	50	12	0.16	300	0 N
155420	1.47	30	1.6	0.04	6.57	70	15	0.21	500	0 N
156111	0.94	15	2.0	0.01	5.44	50	10	0.14	200	0 N
156112	0.99	15	0.2	0.02	5.62	50	10 L	0.13	300	0 N
156120	0.95	15	3.1	0.02	6.57	50	10	0.18	200	0 N
156210	1.14	20	2.4	0.02	5.92	70	11	0.18	200	0 N
156220	0.75	20	1.8	0.02	5.76	50	10 L	0.08	150	0 N
157110	1.70	20	1.7	0.02	4.73	100	15	0.25	700	0 N
157120	2.94	20	2.9	0.02	4.58	100	22	0.52	500	0 N
157410A	2.51	15	1.5	0.02	4.03	50	15	0.48	300	0 N
157410B	2.47	20	1.9	0.03	3.97	70	18	0.44	300	0 N
157420	3.40	15	1.9	0.03	3.90	70	22	0.68	300	0 N
158110	1.25	15	1.2	0.02	5.41	50	15	0.10	150	0 N
158120	1.38	15	2.4	0.01	5.76	50	17	0.18	200	0 N
158310A	0.59	15	1.9	0.02	6.27	30	10	0.05	100	0 N
158310B	0.54	15	3.1	0.02	6.39	0 N	12	0.06	70	0 N
158320	0.83	15	2.6	0.01	5.05	0 N	13	0.11	100	0 N
159210	0.75	20	1.0	0.03	5.84	0 N	10	0.15	150	0 N
159220	1.24	15	2.0	0.01	5.52	50	7	0.10 L	70	0 N
159411	1.41	20	1.9	0.02	6.05	70	12	0.17	150	0 N
159412	1.42	20	0.1 L	0.02	5.85	70	11	0.17	150	0 N
159420A	1.34	30	1.7	0.02	3.98	100	32	0.42	300	0 N
159420B	3.09	20	2.6	0.03	5.97	150	27	0.43	200	0 N
160110	1.55	15	2.6	0.02	5.66	70	14	0.28	500	0 N
160120	1.91	20	1.6	0.02	5.78	100	18	0.25	200	0 N
160310A	1.10	20	2.2	0.02	5.58	50	13	0.15	200	0 N

Field ID	Fe2O3, %	Ga, ppm	Ge, ppm	Hg, ppm	K2O, %	La, ppm	Li, ppm	MgO, %	Mn, ppm	Mo, pp
160310B	3.54	20	2.6	0.02	4.33	50	12	0.17	200	0 N
160320	2.02	15	3.2	0.02	5.15	50	14	0.40	500	0 N
161110	1.76	20	3.9	0.03	6.99	150	22	0.21	200	0 N
161120	0.35	15	2.8	0.01	5.25	50	8	0.06	50	0 N
161310A	0.69	15	2.2	0.01	5.71	70	14	0.08	200	0 N
161310B	3.47	15	2.1	0.01	2.85	50	12	0.09	150	0 N
161320	0.87	15	2.4	0.01	4.97	30	13	0.13	150	0 N
162210	0.93	10	1.3	0.02	4.91	0 N	13	0.18	200	0 N
162220	0.71	15	3.0	0.01	5.17	0 N	12	0.12	70	0 N
162310	0.85	15	5.8	0.01	4.80	50	9	0.15	100	0 N
162320	1.04	15	2.6	0.01	4.56	0 N	9	0.11	150	0 N
163110A	1.75	20	0.1 L	0.03	4.83	100	18	0.33	300	0 N
163110B	1.67	15	1.7	0.03	4.82	70	13	0.30	300	0 N
163121	1.66	20	0.1 L	0.02	5.41	100	13	0.25	150	0 N
163122	1.60	20	1.0	0.02	5.66	70	11	0.20	200	0 N
163210	1.71	20	3.4	0.02	5.45	100	13	0.20	150	15
163220	2.56	15	0.7	0.02	2.69	50	10	0.11	150	0 N
164110	1.36	7	2.1	0.03	1.16	50	10	3.50	500	0 N
164120	0.85	5	0.2	0.01	0.88	50	10 L	0.10	100	0 N
164310	4.41	15	2.8	0.04	2.91	70	34	1.08	300	0 N
164320	5.74	20	0.5	0.03	3.44	100	43	1.33	300	3
165110	1.12	15	1.7	0.02	5.62	30	10	0.48	300	0 N
165120	7.29	30	2.5	0.05	1.99	50	25	1.20	200	0 N
165410	0.77	20	2.2	0.02	2.33	50	13	1.25	1000	0 N
165420	8.19	20	0.1	0.02	2.32	150	12	1.50	1000	0 N
166310	2.06	20	1.4	0.03	5.16	70	13	0.27	300	0 N
166320	1.63	15	2.8	0.02	5.08	50	12	0.20	150	0 N
166410	2.34	20	3.0	0.02	3.93	50	10	0.93	500	0 N
166420A	0.93	15	2.7	0.02	5.38	50	8	0.13	150	0 N
166420B	0.99	15	1.3	0.02	5.43	30	10 L	0.13	100	0 N
167110	2.36	20	2.5	0.08	3.88	100	19	0.48	300	0 N
167120	3.13	20	1.9	0.20	4.21	70	21	0.45	500	5
167210	3.92	15	1.5	0.18	3.83	70	23	1.00	300	0 N
167220	4.61	15	2.2	0.03	3.14	70	33	0.95	300	0 N
168110A	1.64	15	1.2	0.01	4.76	50	9	0.30	200	0 N
168110B	1.65	10	2.8	0.01	4.69	L	10	0.30	150	0 N
168120	2.14	10	1.6	0.01	2.71	30	11	0.33	150	0 N
168310	1.72	10	0.1 L	0.06	3.72	30	13	0.33	200	0 N
168320	4.45	15	1.2	0.04	2.59	50	36	2.26	150	0 N
169210	2.38	15	2.2	0.02	4.67	50	11	0.40	200	0 N
169220	2.53	20	0.3	0.02	4.67	50	13	0.53	500	0 N
169410	3.77	15	2.1	0.02	3.49	100	13	0.52	300	0 N
169420	3.37	15	2.2	0.02	3.46	50	13	0.40	300	0 N
170310	5.95	30	3.0	0.07	2.69	70	36	1.55	1500	0 N
170320	11.50	30	3.5	0.03	2.64	70	27	1.50	1000	3
170410	8.28	20	0.2	0.03	3.13	70	26	1.05	300	0 N
170420	6.56	20	3.1	0.04	3.23	70	21	0.74	700	0 N
171210	2.02	15	1.8	0.02	4.29	30	11	0.26	200	0 N
171220	1.81	10	1.1	0.02	4.23	30	10	0.28	200	0 N
171410	1.52	10	1.3	0.03	4.13	0 N	11	0.24	150	0 N
171420	2.57	15	2.9	0.06	4.57	50	17	0.42	200	0 N
172110	3.07	15	0.1 L	0.01	3.79	L	10	0.63	300	0 N
172120	4.86	20	3.7	0.02	2.98	70	17	1.05	700	0 N
172211	2.16	15	3.0	0.01	4.02	L	13	0.38	200	0 N
172212	2.02	10	2.8	0.02	4.14	50	10	0.35	200	0 N
172220	1.85	15	1.7	0.01	4.41	30	13	0.31	200	0 N
173210	6.19	20	1.7	0.02	4.10	50	36	1.02	300	0 N
173220	7.22	20	2.7	0.02	3.78	50	47	1.38	700	0 N
173410	6.41	15	1.6	0.03	3.44	70	24	0.75	500	0 N
173420	4.40	20	0.8	0.02	3.08	70	27	0.92	300	0 N
174310	4.77	20	1.9	0.03	2.84	70	34	1.12	700	0 N
174320	3.99	15	0.1 L	0.03	3.07	30	20	0.68	200	0 N
174410	3.99	15	2.4	0.03	2.66	50	27	1.32	300	0 N
174420	4.40	20	3.8	0.02	3.16	70	21	0.68	300	0 N
175110	2.97	15	2.0	0.02	2.57	30	23	1.13	300	0 N

Field ID	Fe2O3, %	Ga, ppm	Ge, ppm	Hg, ppm	K2O, %	La, ppm	Li, ppm	MgO, %	Mn, ppm	Mo, pp
175120	3.47	15	2.1	0.03	3.22	70	21	0.90	300	0 N
175410	3.96	15	1.8	0.03	3.22	50	26	1.01	300	0 N
175420	4.03	15	3.1	0.03	2.97	50	22	1.11	300	0 N
176110	4.00	20	2.0	0.01	4.14	300	20	0.68	300	0 N
176120	3.85	15	1.6	0.03	3.62	100	17	0.63	200	0 N
176210A	3.44	10	1.5	0.02	3.10	100	17	0.48	200	0 N
176210B	3.51	15	4.5	0.02	3.18	50	17	0.48	200	0 N
176220	5.30	15	2.1	0.03	3.41	100	20	0.67	500	0 N
177110	4.24	20	1.2	0.03	2.47	30	29	1.11	300	0 N
177120	3.97	15	1.2	0.02	2.26	50	26	1.03	200	0 N
177410	4.85	15	2.6	0.03	3.03	50	32	1.35	200	5
177420	4.74	20	1.7	0.05	2.79	50	45	2.03	200	7
178210	4.37	20	2.2	0.03	2.98	70	28	1.43	300	0 N
178220	4.63	15	2.1	0.04	3.18	50	27	1.35	200	0 N
178410	5.90	20	2.8	0.04	2.73	50	34	1.50	300	0 N
178420A	5.42	15	1.6	0.03	2.68	70	41	1.66	200	0 N
178420B	5.31	20	1.5	0.03	2.68	50	45	1.63	300	0 N
179110	3.05	10	0.5	0.01	2.04	30	27	1.23	200	0 N
179120	3.02	10	3.5	0.01	2.07	L	23	1.30	150	0 N
179410	3.85	15	1.6	0.02	2.71	0 N	29	1.10	200	0 N
179420	4.93	15	3.9	0.03	2.93	100	38	2.14	200	0 N
180110	2.82	20	1.8	0.02	2.83	50	19	0.70	300	0 N
180120	2.85	15	1.6	0.01	2.69	L	19	0.68	200	0 N
180210	4.30	15	3.2	0.01	2.55	0 N	17	0.83	200	0 N
180220	2.94	15	0.1 L	0.02	2.47	L	21	0.89	200	0 N
181310	4.64	15	1.6	0.02	2.21	50	39	1.05	300	0 N
181320	3.58	10	3.0	0.01	1.70	0 N	29	0.97	300	0 N
181410	2.74	10	4.0	0.02	1.71	L	23	0.63	300	0 N
181420	2.85	10	1.5	0.02	2.13	50	23	0.70	300	0 N
182210	1.95	15	1.3	0.01	3.12	30	10	0.29	300	0 N
182220	1.54	10	3.9	0.01 L	3.02	L	9	0.26	200	0 N
182310	2.80	15	3.4	0.01	2.98	50	14	0.55	300	0 N
182320	1.44	10	2.5	0.01	3.40	0 N	6	0.19	150	0 N
183110	4.21	15	2.1	0.03	1.68	L	20	1.06	300	0 N
183120	3.42	10	1.9	0.01	2.17	50	24	1.09	300	0 N
183310	4.79	20	1.8	0.25	2.50	70	25	1.04	500	0 N
183320	5.55	15	1.3	0.03	2.15	70	22	1.12	500	0 N
184210	3.71	15	1.1	0.02	2.71	50	24	0.77	500	0 N
184220	3.74	15	2.0	0.03	2.68	30	22	0.64	300	0 N
184410	0.49	15	3.0	0.02	2.39	50	23	1.10	300	0 N
184420	3.17	15	2.9	0.02	3.25	L	18	0.68	300	0 N
185310	4.08	15	2.8	0.02	3.50	50	25	0.65	500	0 N
185320	3.92	10	2.1	0.02	3.50	50	19	0.60	300	0 N
185410	5.67	20	3.9	0.03	2.86	70	26	1.20	700	0 N
185420	4.21	15	1.0	0.02	2.76	70	41	1.45	700	0 N
186110	2.94	10	1.6	0.02	3.31	50	15	0.47	200	0 N
186120	4.03	15	1.1	0.02	3.31	50	16	0.40	200	0 N
186310	4.73	20	0.9	0.02	3.32	50	24	1.11	300	0 N
186320	3.43	15	0.4	0.02	4.19	70	19	0.65	200	0 N
187210	0.37	15	0.1 L	0.01	5.55	0 N	6	0.04	70	0 N
187220	0.71	15	2.0	0.01	5.15	L	9	0.12	150	0 N
187410	1.17	15	1.2	0.01	4.60	0 N	9	0.12	150	0 N
187420	0.68	15	2.1	0.01	5.41	0 N	7	0.10 L	100	0 N
188310	4.91	20	2.6	0.02	3.07	50	28	0.78	500	0 N
188320	3.51	15	1.2	0.04	1.53	50	25	0.80	200	0 N
188410	4.93	30	2.8	0.02	3.95	70	22	0.73	500	0 N
188420	8.50	20	2.5	0.02	3.25	200	23	0.91	500	0 N
189110	3.75	20	2.1	0.27	3.19	100	21	0.90	500	0 N
189120	3.51	15	0.1 L	0.77	3.22	50	18	0.88	300	0 N
189210	4.07	15	1.6	0.22	3.32	70	22	0.93	500	0 N
189220	3.50	15	1.3	0.08	3.51	70	19	0.80	300	0 N
190110	3.28	15	2.9	0.04	3.71	50	20	0.69	500	0 N
190120	0.40	15	3.4	0.16	3.33	70	22	1.00	300	0 N
190410	4.69	15	3.4	0.10	3.48	70	27	1.12	500	0 N
190420	3.13	15	0.9	0.05	3.73	50	17	0.60	200	0 N

Field ID	Na2O	Nb, ppm	Nd, ppm	Ni, ppm	P2O5, %	Pb, ppm	Tot. S, %	Sb, ppm	Sc, ppm	Se, ppm
001210	1.73	0 N	0 N	10	0.11	20	0.04 L	0.10 L	15	0.3
001220	1.55	0 N	0 N	7	0.10 L	30	0.04 L	0.76	15	0.1 L
001310	2.43	0 N	0 N	20	0.77	70	0.04 L	0.25	15	0.6
001320A	1.38	L	0 N	20	0.10 L	20	0.04 L	0.10 L	15	0.6
001320B	1.38	10	0 N	30	0.10 L	15	0.04 L	0.59	15	0.3
002110	1.33	L	0 N	15	0.11	20	0.04 L	5.01	15	0.3
002120	0.58	0 N	0 N	15	0.27	15	0.04 L	0.61	7	0.3
002410	0.98	L	0 N	20	0.10 L	20	0.04 L	B	15	B
002420	0.98	0 N	0 N	15	0.10 L	10	0.04 L	0.51	20	0.1 L
003210	0.73	0 N	0 N	30	0.10 L	30	0.06	1.40	15	0.2
003220	0.9	0 N	0 N	30	0.10 L	20	0.28	2.64	15	1.0
003410	1.1	0 N	0 N	30	0.10 L	50	0.04 L	0.85	10	0.1
003420	1.05	0 N	0 N	20	0.16	20	0.04 L	0.97	15	0.9
004210A	1.12	0 N	0 N	15	0.10 L	15	0.04 L	1.83	10	0.5
004210B	1.13	0 N	0 N	15	0.17	15	0.04 L	0.26	10	0.5
004220	1.08	0 N	0 N	20	0.10 L	20	0.04 L	0.50	10	0.3
004410	0.63	0 N	B	5	0.53	10	10.80	0.15	0 N	0.4
004420	1.08	0 N	0 N	15	0.10	15	0.08	0.10 L	7	0.2
005110	0.83	L	0 N	10	0.10 L	15	0.04 L	1.50	5	0.3
005120	0.75	10	0 N	7	0.84	15	0.04 L	2.60	5	0.1 L
005210	0.65	0 N	0 N	15	0.96	30	0.04 L	1.15	7	1.0
005220A	0.85	0 N	0 N	7	0.10 L	15	0.04 L	B	5	B
005220B	1.63	L	0 N	7	0.10 L	10	0.04 L	3.20	5	0.2
006110A	0.68	10	150	10	0.10 L	20	0.04 L	2.14	5	0.2
006110B	0.68	0 N	0 N	7	0.39	15	0.04 L	0.10 L	5	0.2
006120	0.8	0 N	0 N	15	0.19	15	0.04 L	1.00	7	0.1
006310	0.63	10	0 N	7	0.20	15	0.04 L	0.67	5	0.1 L
006320	0.75	0 N	0 N	10	0.10 L	15	0.04 L	1.52	7	0.2
007110	1.03	L	0 N	15	0.10 L	70	0.04 L	0.10 L	5	0.1 L
007120	1.08	0 N	B	10	0.10 L	20	0.04 L	2.02	7	0.3
007310	1.08	15	70	10	0.10 L	70	0.04 L	0.91	7	0.1 L
007320	0.83	L	0 N	15	0.10 L	15	0.04 L	0.19	7	0.1 L
008110	1	10	0 N	10	0.37	20	0.04 L	6.00	7	0.2
008120	1.1	10	0 N	7	0.10 L	20	0.04 L	3.80	7	0.3
008210	1.5	0 N	0 N	10	0.31	15	0.04 L	0.69	7	0.5
008220	1.28	0 N	0 N	7	0.10 L	15	0.04 L	0.73	7	0.1 L
009110A	1.15	0 N	0 N	20	0.10	30	0.04 L	3.40	10	0.3
009110B	1.15	0 N	0 N	30	0.11	30	0.04 L	0.74	15	0.2
009120	1.04	L	70	30	0.12	30	0.05	0.11	15	0.3
009210	1.8	10	0 N	20	0.10 L	30	0.04 L	0.51	15	0.2
009220	1.43	10	0 N	20	0.10 L	20	0.04 L	1.44	15	0.1 L
010110	2.28	L	L	50	0.14	30	0.04 L	0.10 L	20	0.8
010120	1.7	0 N	0 N	15	0.10 L	20	0.04 L	2.20	10	0.1 L
010211	0.2	0 N	B	7	0.10 L	20	0.04 L	0.10 L	0 N	0.3
010212	0.23	0 N	B	5	0.10 L	10	0.04 L	0.62	0 N	0.1 L
010220	2.18	L	L	50	0.10 L	20	0.04 L	0.10 L	20	0.1 L
011210	1	0 N	0 N	15	0.53	30	0.04 L	1.11	7	0.1 L
011220	0.8	0 N	0 N	15	0.10 L	20	0.05	0.61	10	0.4
011410	1.05	L	0 N	15	0.10 L	20	0.04 L	1.60	10	0.2
011420	0.95	L	L	20	0.12	30	0.04 L	0.11	15	0.1
012110	0.83	0 N	0 N	15	0.86	20	0.08	0.49	15	0.3
012120	1.83	10	70	15	0.10 L	30	0.53	0.10 L	15	0.2
012310	1.33	L	0 N	20	0.10 L	30	0.04 L	0.41	15	0.3
012320	1.25	0 N	0 N	20	0.12	20	0.04 L	0.63	10	0.4
013110	0.9	L	0 N	15	0.10 L	15	0.04 L	1.35	10	0.6
013120	0.9	0 N	0 N	15	0.10 L	20	0.09	0.55	10	0.1 L
013410	1.23	0 N	0 N	15	0.20	15	0.04 L	2.83	7	0.3
013420	1.08	0 N	0 N	15	0.10 L	15	0.04 L	1.20	7	0.4
014310	0.78	0 N	0 N	10	0.10 L	15	0.04 L	0.18	5	1.0
014320	0.95	L	0 N	15	0.10 L	15	0.12	4.40	7	0.6
014410	0.9	10	0 N	10	0.10 L	15	0.04 L	0.80	7	0.4
014420	0.88	0 N	0 N	15	0.10	15	0.04 L	0.10 L	7	1.3
015310	0.78	0 N	0 N	10	0.10 L	30	0.04 L	2.74	5	0.1
015320	0.93	L	0 N	10	0.10 L	15	0.04 L	2.72	7	0.1
015410	1.03	0 N	B	10	0.11	20	0.04 L	3.54	7	0.3

Field ID	Na2O	Nb, ppm	Nd, ppm	Ni, ppm	P2O5, %	Pb, ppm	Tot. S, %	Sb, ppm	Sc, ppm	Se, ppm
015420	1.03	L	0 N	15	0.10 L	15	0.04 L	0.80	7	0.3
016210	1.15	L	0 N	10	0.10 L	15	0.18	4.11	7	0.3
016220	1.33	0 N	B	10	0.63	15	0.04 L	0.99	5	0.5
016410	1.15	0 N	0 N	7	0.32	15	0.04 L	1.81	5	0.2
016420	1.55	0 N	B	5	0.10 L	10	0.04 L	0.58	0 N	0.2
017210	1.53	L	L	20	0.10 L	30	0.04 L	0.10 L	15	0.3
017220	1.43	10	0 N	30	0.10 L	20	0.04 L	2.20	15	0.4
017410	3.67	0 N	B	10	0.10 L	20	0.04 L	0.50	7	0.3
017420A	2.1	10	0 N	15	0.60	20	0.04 L	0.88	10	0.3
017420B	2.13	L	B	15	0.10 L	30	0.04 L	0.10 L	10	1.1
018110	0.35	L	0 N	10	0.10 L	15	0.04 L	0.11	7	0.7
018120	0.63	0 N	0 N	20	0.10 L	30	0.04 L	0.49	10	0.7
018410	1.38	0 N	0 N	30	0.13	20	0.04 L	0.10 L	10	0.6
018420	1.4	0 N	0 N	20	0.10 L	20	0.04 L	0.10 L	10	0.2
019210	0.58	10	0 N	15	0.16	50	0.04 L	3.33	7	0.3
019220	0.45	0 N	0 N	30	0.10 L	15	0.04 L	3.13	10	1.5
019410	1.15	0 N	B	20	0.10 L	20	0.73	2.21	10	0.1 L
019420	0.94	L	0 N	30	0.10 L	20	0.04 L	0.66	15	0.4
020110	1.15	10	0 N	20	0.10 L	20	0.04 L	1.44	10	0.4
020120	1.03	L	0 N	30	0.10 L	15	0.04 L	0.42	15	0.1 L
020410	1.4	0 N	0 N	20	0.10 L	15	0.37	0.10 L	15	0.2
020420	1.05	0 N	B	15	0.15	20	0.04 L	1.65	7	0.6
021210	1.68	0 N	0 N	15	0.10 L	20	0.04 L	1.40	10	0.4
021220A	1.67	0 N	0 N	15	0.14	20	0.62	2.68	7	0.3
021220B	1.7	0 N	0 N	10	0.10	20	0.64	2.53	7	0.4
021311	1.8	10	0 N	20	0.10 L	30	0.31	0.95	15	0.3
021312	1.5	10	300	5	0.10 L	100	0.25	0.36	15	0.7
021320	1.73	10	0 N	15	0.11	50	0.04 L	0.78	10	0.3
022110	0.8	L	0 N	15	0.10 L	15	0.04 L	0.90	10	0.1 L
022120	0.8	0 N	0 N	10	0.10 L	20	0.04 L	0.40	5	0.3
022410	1.75	0 N	100	10	0.10 L	20	0.04 L	1.01	5	0.4
022420	1.03	10	B	5	0.10 L	15	0.04 L	0.10 L	5	0.1
023110	0.85	10	0 N	15	0.12	15	0.04 L	0.67	7	0.4
023120	0.93	0 N	0 N	7	0.10 L	10	0.04 L	0.95	5	0.2
023310	0.7	L	0 N	10	0.10 L	15	0.04 L	0.83	7	0.1 L
023320	0.88	L	0 N	20	0.10	15	0.11	1.59	10	0.3
024310A	1.25	10	B	15	0.23	30	0.04 L	0.38	7	0.2
024310B	1.23	10	0 N	15	0.17	20	0.04 L	2.00	7	0.4
024320	1.13	L	0 N	15	0.12	30	0.04 L	2.08	7	0.2
024410	1.03	0 N	0 N	10	0.14	30	0.04 L	0.25	10	0.5
024420	1.55	0 N	0 N	5	0.10 L	30	0.04 L	0.39	5	0.1 L
025110	1.43	0 N	B	15	0.16	15	0.04 L	0.10 L	15	0.2
025120	1.55	10	0 N	30	0.10 L	20	0.04 L	0.10 L	15	0.1 L
025410	1.1	0 N	0 N	15	0.13	30	0.04 L	3.72	15	0.4
025420	1.8	L	0 N	20	0.10 L	20	0.04 L	1.40	10	0.5
026210	0.53	0 N	B	5	0.10 L	10	0.04 L	0.76	5	0.3
026220	3.08	0 N	0 N	15	0.10 L	30	0.04 L	0.15	10	1.0
026410	0.88	0 N	0 N	15	0.10 L	20	0.04 L	0.93	10	0.2
026420	0.9	L	0 N	20	0.10 L	20	0.04 L	0.10	10	0.3
027210	0.55	0 N	0 N	15	0.10 L	15	0.06	1.16	7	0.2
027220	0.4	0 N	B	10	0.40	10	0.04 L	0.10 L	5	0.2
027410	1.53	0 N	100	15	0.14	70	0.04 L	0.32	10	0.5
027420	0.7	0 N	0 N	20	0.10 L	20	0.04 L	1.69	15	0.3
028110	0.88	0 N	0 N	20	0.60	30	0.04 L	0.91	15	0.2
028120A	1.08	L	0 N	20	0.14	20	0.04 L	3.66	10	0.7
028120B	1.13	0 N	0 N	30	0.10 L	15	0.05	B	10	B
028310	0.8	L	L	15	0.10 L	20	0.04 L	0.60	10	0.3
028320	1.2	L	L	20	0.10 L	20	0.04 L	2.70	10	0.2
029210	0.78	0 N	0 N	15	0.25	15	0.04 L	0.82	10	0.5
029220	1.23	L	0 N	15	0.10 L	15	0.04 L	0.10 L	10	0.2
029310A	0.95	0 N	0 N	15	0.12	15	0.04 L	0.21	7	0.1 L
029310B	0.98	0 N	0 N	10	0.18	30	0.04 L	1.91	7	0.1 L
029320	0.9	L	0 N	15	0.10 L	15	0.04 L	1.13	10	0.1
030310	1.53	0 N	0 N	10	0.10 L	50	0.04 L	0.57	7	1.6
030320	1.25	0 N	0 N	10	0.10 L	15	0.04 L	0.60	7	0.1

Field ID	Na2O	Nb, ppm	Nd, ppm	Ni, ppm	P2O5, %	Pb, ppm	Tot. S, %	Sb, ppm	Sc, ppm	Se, ppm
030410	1.8	L	0 N	7	0.10 L	15	0.04 L	1.03	7	0.5
030420	1.47	0 N	B	10	0.10 L	15	0.04 L	0.74	7	0.1 L
031110A	1.68	10	0 N	15	0.10 L	200	0.04 L	B	7	B
031110B	1.83	0 N	0 N	10	0.10 L	150	0.04 L	0.73	7	0.3
031120	2.3	0 N	B	7	0.34	20	0.04 L	0.44	5	0.4
031210	1.98	0 N	B	7	0.14	30	0.04 L	0.60	7	0.4
031220	1.83	0 N	0 N	10	0.53	15	0.04 L	0.29	7	0.1
032110	1.6	0 N	0 N	15	0.10 L	30	0.04 L	0.57	7	0.5
032120	1.36	0 N	0 N	7	0.10 L	30	0.04 L	2.51	5	0.2
032411	1.83	10	0 N	7	0.26	70	0.04 L	0.32	10	0.2
032412	1.58	15	0 N	10	0.10	30	0.04 L	0.71	7	0.3
032420	1.55	L	0 N	15	0.12	30	0.04 L	0.64	10	0.5
033110	1.07	0 N	0 N	15	0.10 L	20	0.04 L	3.92	7	0.2
033120	2.73	0 N	0 N	10	0.12	20	0.04 L	0.24	7	0.3
033210	1.38	10	0 N	30	1.20	20	0.04 L	1.09	10	0.3
033220	1.48	10	B	30	0.11	30	0.04 L	1.33	15	0.2
034110	0.65	L	0 N	15	0.10 L	30	0.04 L	0.14	7	0.1 L
034120	0.68	10	0 N	15	0.39	20	0.04 L	0.42	7	0.1 L
034210A	0.23	0 N	B	5	0.10 L	15	0.04 L	1.96	0 N	0.6
034210B	0.2	0 N	0 N	5	0.10 L	50	0.04 L	0.94	0 N	0.4
034220	0.35	0 N	B	10	0.10 L	15	0.06	0.40	7	0.4
035110	1.73	0 N	0 N	15	0.10 L	20	0.84	0.10 L	7	0.1
035120	1.2	0 N	0 N	20	0.10 L	30	0.04 L	2.23	10	0.5
035310	0.65	0 N	0 N	20	0.10 L	20	0.04 L	1.90	10	0.4
035320	0.85	10	0 N	15	0.10 L	30	0.04 L	0.84	10	0.1 L
036110	1.2	10	150	15	0.10 L	20	0.04 L	0.76	10	0.1 L
036120	1.18	0 N	0 N	20	0.11	20	0.04 L	0.26	10	0.2
036410	1.18	10	0 N	20	0.29	20	0.04 L	2.53	10	0.1 L
036420	1.13	0 N	0 N	15	0.20	15	0.04 L	0.73	10	0.2
037110	1.13	L	0 N	20	0.10 L	20	0.04 L	0.25	15	0.1 L
037120	1.58	10	70	15	0.11	30	0.04 L	0.57	7	0.1 L
037310	1.65	10	0 N	15	0.76	100	0.04 L	0.47	7	0.5
037320A	1.05	10	L	20	0.21	20	0.04 L	0.21	10	0.7
037320B	1.13	10	100	20	0.10 L	30	0.04 L	3.29	10	0.2
038210	0.68	L	70	15	0.10 L	20	0.06	0.10 L	7	0.8
038220	0.73	0 N	0 N	15	0.19	50	0.04 L	1.41	7	0.9
038310	1.5	L	70	15	0.26	30	0.15	0.20	10	0.6
038320	1.5	0 N	0 N	15	0.10 L	70	0.04 L	2.46	10	0.3
039310A	1.25	10	0 N	15	0.15	20	0.04 L	0.42	10	0.3
039310B	1.23	10	100	15	0.11	30	0.04 L	0.31	10	0.4
039320	1.53	L	B	L	0.10 L	20	0.04 L	1.03	L	0.1 L
039410	1.3	0 N	0 N	10	0.18	70	0.04 L	1.80	10	0.2
039420	1.49	10	70	7	0.10 L	50	0.04 L	0.65	5	0.1 L
040210	1.38	15	0 N	5	0.40	50	0.04 L	0.83	5	0.1
040220	1.3	10	100	7	0.10 L	50	0.04 L	0.86	7	0.1 L
040410	1.75	0 N	B	5	0.20	20	0.09	1.04	0 N	0.3
040420	1.63	L	0 N	7	0.10 L	30	0.04 L	1.13	5	0.2
041110	2.35	10	70	10	0.56	30	0.04 L	0.10 L	7	0.2
041120	2.45	10	L	7	0.17	30	0.04 L	0.36	7	0.2
041410	2.68	10	L	7	0.11	50	0.04 L	0.10 L	10	0.2
041420	2.65	10	70	5	0.11	50	0.04 L	0.10 L	7	0.6
042110	0.63	0 N	0 N	15	0.11	20	0.04 L	0.10 L	10	0.3
042120	0.1	0 N	B	L	0.10 L	15	0.04 L	0.59	0 N	0.1
042310A	0.58	0 N	0 N	15	0.24	30	0.16	0.79	10	0.1 L
042310B	0.53	0 N	0 N	15	0.13	30	0.04 L	0.14	7	0.7
042320	2.15	10	200	10	0.11	20	0.04 L	0.10 L	7	0.4
043110A	1.33	0 N	0 N	20	0.16	20	0.04 L	0.81	10	0.3
043110B	1.33	10	0 N	15	0.13	70	0.04 L	1.31	10	0.4
043120	1.73	10	70	20	0.10	50	0.04 L	0.29	10	0.5
043410	1.65	0 N	0 N	15	0.40	30	0.04 L	0.36	10	0.4
043420	1.05	10	0 N	20	0.10 L	30	0.04 L	1.33	10	1.0
044310	1.03	0 N	0 N	15	0.15	20	0.04 L	0.41	10	0.3
044320	1.28	0 N	0 N	20	0.10 L	30	0.04 L	1.30	10	0.5
044410	1.1	10	0 N	20	0.24	50	0.04 L	0.37	15	0.3
044420	0.95	L	0 N	20	0.10 L	20	0.04 L	0.40	10	0.3

Field ID	Na2O	Nb, ppm	Nd, ppm	Ni, ppm	P2O5, %	Pb, ppm	Tot. S, %	Sb, ppm	Sc, ppm	Se, ppm
045110	1.03	10	0 N	15	0.10 L	15	0.04 L	2.45	15	0.1
045120	0.91	0 N	70	15	0.10 L	50	0.04	1.58	10	0.2
045210	1.04	10	0 N	20	0.10 L	20	0.04 L	1.46	10	0.2
045220	1.08	10	0 N	15	0.11	70	0.04 L	0.10 L	7	0.5
046310	1.33	10	70	10	0.15	50	0.12	0.10 L	7	0.3
046320	1.23	20	70	10	0.10 L	50	0.04 L	0.57	7	0.5
046410	1.29	15	70	7	0.21	200	0.04 L	0.70	10	0.3
046420	1.33	15	100	10	0.37	150	0.04 L	0.77	10	0.4
047110	1.58	10	0 N	7	0.10 L	30	0.04 L	1.65	L	0.1
047120	1.58	10	0 N	5	0.10 L	20	0.04 L	0.71	5	0.1 L
047210	1.38	0 N	0 N	7	0.14	70	0.04 L	2.87	7	0.1 L
047220	1.55	10	0 N	10	0.10 L	30	0.04 L	0.71	7	0.1 L
048310	1.55	L	B	7	0.10 L	30	0.04 L	1.95	5	0.2
048320A	1.68	10	0 N	L	0.10 L	30	0.04 L	0.10 L	0 N	0.5
048320B	1.73	0 N	0 N	5	0.10 L	30	0.04 L	B	L	B
048410	1.73	0 N	B	0 N	0.10 L	20	0.05	0.11	0 N	0.6
048420	1.77	10	B	L	0.10 L	30	0.09	0.86	L	0.3
049110	0.25	0 N	B	L	0.10 L	20	0.04 L	1.49	0 N	0.2
049120	2.55	15	70	10	0.36	50	0.04 L	0.43	7	0.3
049410A	0.9	10	0 N	10	0.10 L	20	0.04 L	0.69	10	0.3
049410B	0.95	10	100	10	0.10 L	20	0.04	0.47	10	0.3
049421	0.3	0 N	0 N	5	0.12	30	0.04 L	0.62	5	0.1
049422	0.28	0 N	B	7	0.10 L	15	0.04 L	0.81	L	0.1 L
050110	1.33	0 N	0 N	15	0.10 L	30	0.05	0.44	7	0.7
050120	1.4	0 N	70	15	0.14	20	0.05	4.98	10	0.5
050210	1.98	10	100	10	0.18	30	0.04 L	0.10 L	7	0.1
050220	1.55	0 N	0 N	20	0.10 L	20	0.04 L	0.10 L	10	0.1 L
051110	1.33	L	70	20	0.10 L	20	0.04 L	1.70	10	0.4
051120	1.23	10	0 N	20	0.22	50	0.04 L	1.94	10	0.5
051211	1.28	0 N	0 N	20	0.90	70	0.07	0.34	15	0.4
051212	1.23	10	L	20	0.19	50	0.04 L	0.59	10	0.1 L
051220	1.2	0 N	0 N	20	0.57	30	0.04 L	0.68	15	0.7
052110	1.05	L	70	20	0.10 L	30	0.04 L	0.49	10	0.1 L
052120	1.05	L	70	15	0.10 L	20	0.07	1.47	10	0.3
052210	0.93	0 N	0 N	15	0.25	15	0.04 L	1.19	10	0.1 L
052220	0.98	0 N	0 N	15	0.10 L	20	0.04 L	1.35	10	0.3
053110	1.98	10	0 N	15	0.15	30	0.07	0.94	10	0.1 L
053120	1.03	L	0 N	10	0.10 L	20	0.04 L	0.82	10	0.3
053310	1.13	10	0 N	15	0.10 L	30	0.04 L	1.76	10	0.1 L
053320	1.05	0 N	0 N	15	0.10 L	15	0.04 L	1.04	10	0.1 L
054110	1.15	10	150	15	0.10 L	200	0.04 L	1.80	10	0.1 L
054120	1.23	15	100	10	0.10 L	70	0.04 L	1.24	7	0.4
054410	1.37	15	0 N	10	0.34	30	0.04 L	0.50	7	0.1 L
054420	1.31	10	0 N	5	0.10 L	200	0.04 L	0.10 L	5	0.3
055110	1.75	10	B	0 N	0.11	50	0.04 L	1.19	0 N	0.4
055120	1.85	L	B	0 N	0.10 L	50	0.04 L	1.24	0 N	0.4
055210	1.78	0 N	B	0 N	0.10 L	70	0.04 L	1.44	0 N	0.4
055220	1.73	0 N	B	0 N	0.18	30	0.04 L	2.18	0 N	0.1
056210	1.83	0 N	B	L	0.69	30	0.04 L	0.19	0 N	0.3
056220	1.8	0 N	0 N	5	0.10 L	20	0.04 L	0.20	L	0.1 L
056310	1.63	0 N	0 N	7	0.10 L	20	0.04 L	0.52	7	0.1 L
056320A	1.83	0 N	0 N	5	0.10 L	20	0.04 L	1.40	0 N	0.3
056320B	1.7	L	0 N	L	0.10 L	20	0.04 L	0.10 L	0 N	0.1 L
057210	0.5	0 N	0 N	7	0.26	30	0.04 L	0.81	5	0.1 L
057220	0.35	0 N	0 N	5	0.10 L	70	0.04 L	2.82	5	0.4
057410	2.2	0 N	100	20	0.15	70	0.04 L	0.14	10	0.5
057420	0.43	L	0 N	7	0.10 L	20	0.04 L	0.77	7	0.4
058111	1.08	L	0 N	20	0.13	30	0.13	0.10 L	15	0.2
058112	1.15	0 N	0 N	20	0.37	50	0.04	0.97	15	0.6
058120	1	0 N	0 N	20	0.11	70	0.04 L	0.66	10	0.1
058310	1.83	0 N	0 N	15	0.41	30	0.04 L	0.28	7	0.4
058320	1.2	L	0 N	15	0.10 L	15	0.04 L	1.18	10	0.3
059110	1.6	10	150	15	0.10 L	30	0.04 L	2.44	15	0.2
059120	1.53	10	70	30	0.10 L	50	0.04 L	1.54	15	0.1
059310	1.44	0 N	70	20	0.10 L	20	0.04 L	1.98	10	0.1

Field ID	Na2O	Nb, ppm	Nd, ppm	Ni, ppm	P2O5, %	Pb, ppm	Tot. S, %	Sb, ppm	Sc, ppm	Se, ppm
059320	1.45	0 N	0 N	30	0.10 L	20	0.04 L	1.17	10	0.1
060210	1.71	L	100	15	0.12	70	0.04 L	1.00	10	0.1 L
060220	1.88	10	100	15	0.30	20	0.16	0.70	10	0.2
060310	1.1	0 N	70	15	0.73	30	0.05	0.57	10	0.1
060320	1.3	0 N	0 N	20	0.26	20	0.04 L	1.24	10	0.6
061110	2.33	0 N	L	5	0.10 L	30	0.04 L	0.10 L	5	0.1
061120	2	0 N	0 N	7	0.13	30	0.04 L	0.10 L	5	0.7
061310	2.13	0 N	0 N	10	0.10 L	20	0.04 L	0.71	5	0.1 L
061320	1.8	10	L	10	0.10 L	50	0.04 L	0.45	7	0.2
062110	1.48	15	70	15	0.10 L	100	0.08	0.51	15	0.1 L
062120	1.48	10	L	15	0.63	50	0.04 L	0.59	10	0.6
062410	1.2	15	100	15	0.48	70	0.06	0.33	10	0.5
062420	1.53	20	100	15	0.13	70	0.04 L	0.95	15	0.4
063210	1.75	0 N	0 N	5	0.10 L	30	0.04 L	0.91	L	0.1 L
063220	1.78	L	L	5	0.10 L	30	0.04 L	1.41	L	0.3
063410	1.8	0 N	0 N	0 N	0.10 L	20	0.04 L	0.77	5	0.1 L
063420	1.78	L	0 N	7	0.10 L	20	0.04 L	0.96	L	0.1
064110	1.58	0 N	0 N	5	0.10 L	20	0.04 L	2.44	L	0.1 L
064120	1.68	0 N	70	0 N	0.10 L	20	0.04 L	1.12	0 N	0.5
064410	1.57	10	B	0 N	0.10 L	30	0.04 L	2.04	0 N	0.1 L
064420A	1.78	0 N	B	0 N	0.10 L	30	0.04 L	1.06	0 N	0.1 L
064420B	1.88	0 N	B	L	0.10 L	50	0.04 L	0.26	0 N	0.5
065210	2.93	10	L	70	0.10 L	30	0.04 L	0.27	15	0.1 L
065220	3	0 N	0 N	30	0.13	30	0.04 L	0.97	15	0.3
065410	0.4	0 N	0 N	5	0.26	30	0.04 L	0.39	5	0.3
065420	1.08	0 N	0 N	15	0.15	30	0.04 L	0.70	10	0.1 L
066210	1.75	0 N	0 N	15	0.10 L	70	0.04 L	0.10 L	7	0.3
066220	1.43	0 N	0 N	30	0.25	30	0.04 L	1.14	10	0.4
066410A	1.38	0 N	0 N	20	0.26	20	0.04 L	0.35	15	0.3
066410B	1.38	L	100	20	0.10 L	30	0.04 L	0.10 L	10	0.3
066420	1.63	L	L	20	0.18	50	0.04	0.22	10	0.5
067110	1.2	0 N	0 N	20	0.10 L	50	0.04 L	3.14	10	0.3
067120	1.48	0 N	70	15	0.10	15	0.04 L	0.60	7	0.6
067310	1.53	0 N	0 N	15	0.14	50	0.04 L	0.10 L	7	0.5
067320A	2	10	B	10	0.10 L	15	0.04 L	0.43	5	0.5
067320B	2.03	0 N	B	7	0.10 L	50	0.04 L	0.23	5	0.3
068110	0.62	L	70	20	0.16	30	0.04 L	1.88	15	0.3
068120	1.08	L	100	15	0.10 L	20	0.04 L	1.09	10	0.1
068210	1.67	L	70	20	0.18	30	0.04 L	1.12	15	0.3
068220A	0.9	10	0 N	15	0.21	20	0.04 L	0.67	10	0.1 L
068220B	0.98	L	0 N	10	0.10 L	20	0.05	0.56	10	0.4
069310A	1.3	10	70	30	0.16	50	0.04 L	0.45	15	0.1 L
069310B	1.25	10	100	30	0.10 L	30	0.04 L	B	15	B
069320	1.18	10	70	20	0.10 L	15	0.04 L	2.22	15	0.2
069410	1.23	10	70	20	0.10 L	30	0.04 L	1.55	10	0.1
069420	1.14	150	70	20	0.10 L	30	0.04 L	1.83	50	1.6
070210	1.15	0 N	0 N	15	0.10 L	50	0.04 L	5.94	10	0.4
070220	1.4	10	L	20	0.10 L	70	0.04 L	0.38	10	0.4
070410	1.55	15	70	15	0.15	100	0.20	5.75	15	0.2
070420	1.13	10	70	15	0.38	70	0.06	0.95	10	0.5
071310	1.45	10	0 N	0 N	0.10 L	30	0.04 L	0.78	5	0.1 L
071320	1.58	15	0 N	0 N	0.10 L	30	0.04 L	0.65	L	0.1 L
071410	1.65	10	B	0 N	0.10 L	30	0.04 L	2.25	0 N	0.1
071420	1.6	10	0 N	5	0.12	50	0.04 L	0.10 L	5	0.4
072110	1.28	10	0 N	15	0.13	70	0.04 L	0.16	10	0.1 L
072120	1.43	0 N	0 N	10	0.44	50	0.04 L	1.06	7	0.4
072410	1.17	10	L	15	0.10 L	100	0.04 L	0.54	10	0.2
072420	1.18	10	0 N	20	0.10 L	20	0.04 L	1.76	10	0.3
073110	1.13	10	70	20	0.13	30	0.04 L	2.37	15	1.0
073120	2.9	10	150	50	0.24	50	0.04 L	0.10 L	15	1.5
073310	2.35	L	70	30	1.02	70	0.04 L	4.32	10	0.2
073320A	2.5	0 N	0 N	20	0.10 L	50	0.04 L	1.05	7	0.1 L
073320B	2.53	0 N	0 N	20	0.42	30	0.04 L	5.18	10	1.0
074310	1.88	0 N	0 N	15	0.12	50	0.04	0.67	10	0.6
074320	1.48	10	0 N	20	0.15	70	0.04 L	0.61	7	0.3

Field ID	Na2O	Nb, ppm	Nd, ppm	Ni, ppm	P2O5, %	Pb, ppm	Tot. S, %	Sb, ppm	Sc, ppm	Se, ppm
074410	0.9	L	0 N	15	0.10 L	300	0.04 L	2.30	10	0.4
074420A	1.8	0 N	0 N	10	0.23	70	0.04 L	2.30	7	0.5
074420B	1.75	0 N	0 N	10	0.13	50	0.04 L	0.74	7	0.1 L
075110A	1.38	L	0 N	15	0.10 L	20	0.04 L	0.80	10	0.5
075110B	1.3	L	0 N	15	0.17	50	0.04 L	0.46	7	0.1 L
075120	1.23	0 N	150	15	0.26	30	0.04 L	0.10 L	7	0.2
075210	1.47	10	0 N	15	0.16	20	0.04 L	0.77	10	0.5
075220	1.53	10	0 N	10	0.10 L	20	0.04 L	1.20	7	0.4
076310	0.75	10	0 N	20	0.10 L	50	0.04 L	1.12	10	0.4
076320A	0.93	10	70	20	0.24	30	0.04 L	5.87	10	0.2
076320B	0.85	L	0 N	15	0.10 L	20	0.04 L	0.10 L	10	0.4
076410	1	L	0 N	15	0.46	70	0.04 L	0.82	10	1.3
076420	0.98	0 N	0 N	20	0.12	30	0.04 L	3.25	10	0.1
077210	1	10	0 N	15	0.10 L	20	0.04 L	0.58	10	0.3
077220	1	0 N	0 N	15	0.17	70	0.04 L	0.14	7	0.1 L
077310	0.9	10	0 N	15	0.16	30	0.04 L	0.38	10	0.6
077320	1	0 N	0 N	15	0.10 L	30	0.04 L	0.92	7	0.1 L
078210	0.98	10	0 N	15	0.16	20	0.04 L	0.79	7	0.4
078220	0.95	0 N	L	20	0.10 L	50	0.04 L	1.42	10	0.2
078310	0.83	0 N	0 N	15	0.10 L	30	0.04 L	2.78	7	0.1 L
078320A	1.25	15	70	15	0.14	200	0.06	3.14	15	0.1 L
078320B	1.25	15	100	15	0.88	200	0.06	5.33	15	0.2
079110	1.33	0 N	0 N	5	0.10 L	30	0.04 L	0.60	5	0.4
079120	1.53	10	0 N	5	0.10 L	20	0.04 L	0.67	L	0.3
079310A	1.55	0 N	B	0 N	0.10 L	20	0.04 L	1.25	L	0.1 L
079310B	1.48	10	0 N	0 N	0.15	20	0.04 L	0.37	0 N	0.1 L
079320	1.53	10	0 N	10	0.10 L	20	0.04 L	1.00	7	0.6
080110	1.38	0 N	0 N	5	0.10 L	30	0.04 L	0.20	L	0.5
080120	1.63	0 N	0 N	5	0.10 L	20	0.04 L	0.58	5	0.1 L
080210	1.23	0 N	0 N	7	0.26	20	0.04 L	0.29	L	0.6
080220	1.43	10	0 N	L	0.10 L	20	0.04 L	0.33	5	0.4
081210	2.6	10	70	20	0.17	50	0.04 L	0.64	10	0.3
081220	3.03	L	0 N	7	0.10 L	30	0.04 L	0.82	5	0.3
081410	0.4	L	0 N	7	0.21	70	0.04 L	1.37	5	0.1 L
081420A	0.63	0 N	0 N	7	0.10 L	70	0.04 L	1.22	5	0.3
081420B	0.63	10	B	10	1.30	150	0.04 L	0.51	10	0.4
082210	0.58	L	70	15	0.10 L	50	0.04 L	3.46	10	0.4
082220	0.48	L	0 N	15	0.10	50	0.04 L	0.56	10	0.8
082410	0.83	10	L	10	0.10 L	50	0.04 L	0.76	7	0.6
082420	0.75	0 N	0 N	10	0.12	70	0.04 L	2.02	7	0.3
083110	0.38	0 N	0 N	20	0.10 L	50	0.04 L	2.35	7	0.5
083120	0.4	L	0 N	15	0.10 L	150	0.04 L	1.26	7	0.8
083310	0.58	L	0 N	15	0.15	30	0.04 L	0.56	10	0.5
083320	0.63	10	70	20	0.12	30	0.04 L	0.74	10	0.1 L
084310	0.53	0 N	0 N	10	0.60	20	0.04 L	0.32	7	0.1
084320	0.73	0 N	0 N	10	0.10 L	50	0.04 L	1.20	10	0.1 L
084410A	0.75	L	L	15	0.11	100	0.08	2.57	10	0.3
084410B	0.78	10	70	20	0.15	150	0.07	1.16	10	0.1 L
084420	0.68	0 N	0 N	10	0.10 L	20	0.04 L	1.20	7	0.5
085210	0.98	10	0 N	20	0.55	20	0.04 L	0.63	10	0.3
085220	0.75	10	0 N	15	0.13	30	0.04 L	1.37	10	0.5
085310	0.79	0 N	0 N	15	0.89	50	0.04 L	0.47	10	0.1 L
085320	0.83	15	70	15	0.12	100	0.04 L	0.76	7	0.3
086310	1.43	10	0 N	5	0.20	30	0.04 L	0.34	5	0.7
086320A	1.58	10	70	7	0.10 L	30	0.04 L	2.09	5	0.3
086320B	1.55	10	L	5	0.10 L	30	0.04 L	0.49	5	0.1
086410	1.15	10	0 N	15	0.10 L	30	0.04 L	0.70	10	0.8
086420	1.58	0 N	B	0 N	0.14	70	0.04 L	0.36	5	0.5
087110A	1.55	10	0 N	L	0.10 L	30	0.04 L	0.10 L	5	0.4
087110B	1.53	0 N	0 N	0 N	0.14	20	0.04 L	0.54	5	0.1 L
087120	1.63	10	0 N	5	0.10 L	30	0.04 L	1.21	5	0.2
087210	1.45	10	0 N	5	0.10 L	30	0.04 L	1.41	L	0.2
087220	1.43	L	0 N	7	0.10 L	30	0.04 L	0.50	5	0.2
088110	1.33	15	70	10	0.10 L	30	0.04 L	0.66	10	0.2
088120	1.28	0 N	B	0 N	0.19	30	0.04 L	3.01	0 N	0.8

Field ID	Na2O	Nb, ppm	Nd, ppm	Ni, ppm	P2O5, %	Pb, ppm	Tot. S, %	Sb, ppm	Sc, ppm	Se, ppm
088410A	1.16	L	0 N	10	0.10 L	20	0.04 L	4.53	5	0.2
088410B	1.08	0 N	0 N	7	0.10 L	50	0.04 L	0.34	5	0.8
088420	1.23	L	0 N	10	0.10 L	20	0.04 L	1.76	5	0.1 L
089110	3.35	0 N	B	10	0.20	30	0.04 L	0.43	15	0.1 L
089120	2.98	0 N	B	7	1.59	70	0.04 L	0.34	5	0.3
089410	1.53	0 N	0 N	15	0.10 L	20	0.04 L	0.20	15	0.3
089420	1.25	10	0 N	30	0.10 L	50	0.04 L	0.10 L	15	0.3
090210	0.5	10	0 N	15	0.10 L	50	0.07	1.62	7	0.3
090220	0.53	0 N	0 N	15	0.51	20	0.04 L	0.81	10	0.1 L
090310	1.15	0 N	B	15	1.11	30	0.04	0.84	10	0.2
090320	1.23	0 N	B	15	0.10 L	70	0.04 L	0.81	10	0.1 L
091110	0.88	10	0 N	30	0.14	50	0.05	1.57	10	0.3
091120	0.95	0 N	70	10	0.27	70	0.04 L	1.70	7	0.5
091210A	0.9	10	0 N	10	0.10 L	50	0.06	0.73	10	0.4
091210B	0.85	0 N	0 N	10	0.11	50	0.04	0.10 L	7	0.1
091220	0.88	0 N	0 N	15	0.13	30	0.04 L	1.50	10	0.2
092311	0.88	10	0 N	20	0.36	200	0.04 L	2.15	10	0.7
092312	0.93	30	0 N	15	0.10 L	100	0.05	2.11	10	0.1 L
092320	0.73	0 N	0 N	15	0.13	50	0.04 L	0.75	10	0.2
092410	0.91	0 N	L	15	0.10 L	100	0.04 L	2.14	10	0.2
092420	4.6	10	0 N	15	0.10 L	20	0.06	1.35	15	0.6
093310	0.97	L	150	15	0.11	100	0.04 L	1.49	7	0.2
093320	1.48	10	0 N	5	0.38	50	0.04 L	2.24	7	0.2
093410	1.48	10	0 N	5	0.15	70	0.04 L	1.21	5	0.2
093420	1.3	20	70	5	0.15	100	0.04 L	0.97	5	0.2
094110A	1.05	10	0 N	15	0.32	30	0.04 L	0.71	10	0.3
094110B	1.18	10	70	20	0.36	30	0.04 L	0.45	10	0.5
094120	1.7	10	70	10	0.13	50	0.04 L	0.10 L	7	0.7
094410	1.4	10	L	7	0.10 L	50	0.04 L	2.56	7	0.3
094420	1.43	10	L	10	0.10 L	30	0.04 L	0.27	10	0.1
095110A	0.98	10	70	15	0.10 L	30	0.04 L	0.49	10	0.3
095110B	0.93	10	0 N	20	0.11	30	0.04 L	0.96	15	0.4
095120	1.1	10	70	20	0.10 L	30	0.04 L	0.66	10	0.5
095410	0.63	10	70	20	0.12	20	0.04 L	0.33	10	0.7
095421	0.85	10	L	10	0.12	30	0.05	0.66	10	0.4
095422	0.63	L	0 N	7	0.12	20	0.04 L	2.39	10	0.3
096110	1.12	10	70	15	1.02	30	0.04 L	0.86	15	0.4
098120	0.98	10	70	15	0.47	70	0.04 L	0.10 L	10	0.1 L
098310A	1.15	10	0 N	20	0.10 L	20	1.75	1.14	10	0.4
096310B	0.33	10	0 N	15	0.10 L	30	1.84	0.71	10	0.1
098320	1.05	10	70	15	0.15	30	0.04 L	0.66	10	0.3
097110	3.35	10	B	15	0.15	70	0.04 L	1.05	10	0.9
097120A	3.63	0 N	B	15	0.10 L	30	0.04 L	0.36	20	0.1 L
097120B	3.56	0 N	B	15	0.10 L	30	0.04 L	0.52	20	0.1 L
097210	1.41	0 N	70	30	0.15	30	0.04 L	5.13	15	0.1 L
097220	1.28	0 N	0 N	30	0.22	30	0.04 L	0.10 L	15	0.1 L
098210	1.98	10	0 N	50	0.18	70	0.04 L	B	30	B
098220	1.2	10	L	30	0.34	70	0.04 L	0.81	30	0.4
098310	1.95	10	70	20	0.18	200	0.04 L	3.13	15	0.5
098320A	2.35	0 N	0 N	15	0.24	150	0.04 L	1.21	15	0.3
098320B	2.4	10	0 N	15	0.35	200	0.04 L	0.94	15	0.1
099110	2.28	0 N	70	15	0.46	100	0.04 L	1.73	10	0.6
099120	2.05	0 N	0 N	15	0.10 L	70	0.04	1.06	10	0.5
099210	1.7	0 N	150	15	0.19	200	0.06	3.99	10	0.2
099220	1.65	10	70	20	0.24	500	0.05	7.35	15	0.1 L
100210	1.78	0 N	0 N	7	0.15	300	0.04 L	0.66	7	0.4
100220	1.7	10	70	15	0.97	100	0.05	1.36	7	0.1 L
100310	1.53	10	70	10	0.32	300	0.06	3.09	7	0.1 L
100320	0.7	10	150	15	0.10 L	300	0.04 L	2.60	10	0.1 L
101210	1.65	15	100	15	0.18	150	0.04 L	0.21	10	0.6
101220A	1.3	15	0 N	20	0.34	200	0.04 L	3.92	5	0.1 L
101220B	1.32	10	0 N	20	0.35	300	0.04 L	2.33	5	0.3
101310	1.53	10	100	15	0.26	100	0.04 L	2.80	7	0.3
101320	1.3	10	70	20	0.29	200	0.06	0.97	10	0.1 L
102110	1.2	0 N	B	5	0.10 L	70	0.04 L	0.88	L	0.1

Field ID	Na2O	Nb, ppm	Nd, ppm	Ni, ppm	P2O5, %	Pb, ppm	Tot. S, %	Sb, ppm	Sc, ppm	Se, ppm
102120	1.33	L	0 N	5	0.10 L	50	0.04 L	0.84	5	0.2
102410	1.15	0 N	B	0 N	0.12	20	0.04 L	0.81	L	0.1 L
102420	1.25	10	70	15	0.13	70	0.04 L	1.29	10	0.4
103310	1.28	10	100	15	0.18	30	0.04 L	0.93	10	0.2
103320	1.2	10	70	15	0.10 L	30	0.04 L	2.94	15	0.3
103410	1.28	0 N	0 N	L	0.75	30	0.04 L	0.10 L	L	0.1 L
103420A	1.23	10	70	15	0.15	30	0.04 L	0.10 L	10	0.2
103420B	1.23	10	100	15	0.13	50	0.04 L	0.10 L	10	0.5
104310	1.03	10	0 N	15	0.67	30	0.04	1.59	15	0.3
104320	1.15	15	70	15	0.14	50	0.04 L	0.10 L	10	0.6
104410A	1.15	10	70	15	0.12	30	0.04 L	0.10 L	10	0.1 L
104410B	1.18	10	L	15	0.10 L	30	0.04 L	1.41	15	0.2
104421	1.1	10	L	30	0.11	70	0.04 L	0.10 L	15	0.2
104422	1.3	10	0 N	20	0.10 L	30	0.04 L	1.39	10	0.1 L
105310	3.03	0 N	0 N	7	0.10 L	50	0.04 L	0.10 L	20	0.1 L
105320	2.55	0 N	0 N	15	0.10 L	20	0.04 L	0.85	15	0.1
105411	3.15	10	B	5	0.23	50	0.04 L	1.97	15	0.4
105412	2.78	10	0 N	10	0.10 L	30	0.04 L	1.70	20	0.3
105420	2.63	0 N	0 N	10	0.26	50	0.04 L	0.40	15	0.6
106110	1.25	L	0 N	15	0.14	70	0.04 L	1.18	10	0.3
106120	1.55	10	150	10	0.10 L	50	0.04	0.92	10	0.4
106410	0.83	0 N	0 N	20	0.18	70	0.04 L	0.82	10	0.1 L
106420	0.3	0 N	B	5	0.20	70	0.04 L	0.88	5	0.2
107110	1.05	10	100	10	0.27	100	0.04 L	1.36	20	0.1 L
107120	1.1	0 N	0 N	15	0.14	70	0.04 L	0.43	15	0.3
107410	1.18	10	0 N	10	0.19	30	0.04 L	0.10 L	15	0.3
107420	1.08	10	0 N	10	0.18	50	0.04 L	0.10 L	15	0.6
108210	1.48	10	0 N	10	0.17	70	0.04 L	0.10 L	15	0.5
108220	1.29	L	L	15	0.16	150	0.04 L	2.56	15	0.3
108310	1.38	10	0 N	10	0.21	200	0.04 L	0.74	15	0.5
108320	1.25	L	0 N	15	0.19	100	0.04 L	2.68	15	0.1 L
109110	1.15	10	0 N	0 N	0.18	100	0.04 L	3.24	L	0.3
109120	1.2	10	B	0 N	0.10 L	30	0.04 L	0.73	L	0.3
109210	1.48	10	70	5	0.10 L	70	0.04 L	0.78	7	0.2
109220	1.43	10	0 N	15	0.10 L	30	0.04 L	0.47	10	0.2
110211	1.35	10	0 N	10	0.10 L	50	0.04 L	0.20	7	0.1 L
110212	1.23	10	0 N	7	0.10 L	30	0.04 L	0.10 L	7	0.1 L
110220	1.2	10	70	10	0.17	20	0.04 L	0.10 L	10	0.4
110410	1.2	0 N	150	0 N	0.10 L	30	0.04 L	1.20	0 N	0.2
110420	1.13	L	0 N	5	0.10 L	50	0.04 L	0.10 L	5	0.5
111110	1.3	10	70	15	0.11	50	0.04 L	3.22	10	0.3
111120A	1.18	10	100	20	0.10 L	50	0.04 L	0.33	15	0.3
111120B	1.15	10	150	15	0.10 L	20	0.04 L	0.10 L	15	0.5
111310	1.35	0 N	0 N	7	0.17	30	0.05	0.91	7	0.5
111320	0.88	10	0 N	15	0.45	20	0.04 L	0.10 L	15	0.1
112110	1.1	10	0 N	5	0.10 L	30	0.04 L	1.57	5	0.3
112120	1.19	0 N	0 N	10	0.14	30	0.04 L	0.55	7	0.1 L
112210	1.1	0 N	0 N	5	0.66	30	0.04 L	0.54	5	0.5
112220	1.13	0 N	0 N	7	0.10 L	20	0.04 L	0.40	7	0.1
113110A	1.75	10	150	15	0.17	70	0.04 L	3.62	10	0.2
113110B	0.93	15	100	20	0.11	70	0.04 L	1.34	10	0.4
113120	1.63	10	150	20	0.80	50	0.04 L	0.34	10	0.1 L
113410	2.25	10	L	7	0.10 L	70	0.04 L	1.31	10	0.1 L
113420	2	10	150	15	0.10 L	70	0.04 L	0.86	10	0.8
114110	0.58	L	70	15	0.10	50	0.04 L	1.23	7	0.6
114120	2.38	10	100	5	0.11	70	0.04 L	0.42	5	0.2
114210	3.78	10	200	7	0.10 L	50	0.04 L	1.32	10	0.4
114220	3.25	0 N	0 N	5	0.56	50	0.04 L	0.50	7	0.1 L
115110	0.5	0 N	B	15	0.10 L	20	0.04 L	0.78	7	0.1 L
115120	0.45	0 N	0 N	15	0.11	30	0.04 L	0.30	10	0.1 L
115310	0.78	10	0 N	20	0.11	30	0.04 L	0.55	10	0.1
115320	0.8	0 N	0 N	30	0.10 L	30	0.04 L	1.15	7	0.1 L
116110	1.23	15	70	10	0.37	30	0.04 L	1.27	10	0.1
116120	1.35	30	150	5	0.11	50	0.06	0.10 L	10	0.4
116410	1.43	20	100	5	0.50	100	0.06	0.10 L	7	0.5

Field ID	Na2O	Nb, ppm	Nd, ppm	Ni, ppm	P2O5, %	Pb, ppm	Tot. S, %	Sb, ppm	Sc, ppm	Se, ppm
116420	1.45	30	150	15	0.10 L	50	0.04 L	0.10 L	15	0.1 L
117110	0.95	10	0 N	20	0.10 L	30	0.04 L	0.73	15	0.4
117120	0.73	10	0 N	15	0.10 L	20	0.04 L	1.37	15	0.2
117410A	0.73	L	0 N	15	0.10 L	50	0.04 L	0.16	10	0.3
117410B	0.73	10	0 N	15	0.47	50	0.04 L	3.44	15	0.3
117420	1.03	10	0 N	20	0.10 L	15	0.25	0.60	15	0.4
118110	1.1	10	0 N	0 N	0.10 L	50	0.04 L	2.35	0 N	0.3
118120	1.1	10	0 N	5	0.10 L	20	0.04 L	2.12	5	0.1 L
118410	1.12	0 N	0 N	0 N	0.10 L	30	0.04 L	1.25	5	0.6
118420	1.24	0 N	70	7	1.42	50	0.04 L	0.63	7	0.1 L
119110	1.43	10	70	15	0.53	50	0.04 L	0.36	10	0.6
119120	1.25	10	70	15	0.12	70	0.04 L	0.44	15	0.5
119410	1.3	0 N	L	15	0.10 L	50	0.04 L	0.46	7	0.9
119420	0.95	15	150	15	0.10 L	30	0.04 L	3.10	10	0.5
120210	1.2	10	70	15	0.12	30	0.04 L	0.19	10	0.5
120220	1.21	15	70	15	0.39	30	0.04 L	0.86	10	0.5
120410	1.3	0 N	0 N	7	0.10 L	20	0.04 L	0.88	7	0.6
120420	0.98	10	0 N	15	0.10 L	20	0.04 L	0.10 L	10	0.1 L
121110	1	10	L	15	0.10 L	30	0.04 L	0.10 L	15	0.5
121120	1.73	10	0 N	30	0.10 L	70	0.04 L	0.38	10	0.3
121210	2.35	L	0 N	10	0.13	70	0.04 L	0.10 L	10	0.7
121220A	1.9	L	0 N	20	0.26	70	0.04 L	0.74	10	0.6
121220B	1.8	L	100	15	0.15	100	0.04 L	1.26	15	0.4
122110	0.5	0 N	0 N	5	0.10 L	70	0.04 L	0.10 L	5	1.3
122120	0.5	0 N	0 N	15	0.10 L	70	0.04 L	1.16	10	0.4
122310A	0.1	0 N	B	5	0.10 L	70	0.04 L	1.38	0 N	0.3
122310B	0.14	0 N	B	L	0.10 L	150	0.04 L	1.47	0 N	0.1 L
122320	0.2	0 N	0 N	5	0.10 L	30	0.04 L	0.35	L	0.4
123310	0.81	15	0 N	0 N	0.10 L	50	0.04 L	0.61	L	0.1 L
123320	0.78	15	70	0 N	0.10 L	70	0.04 L	1.13	L	0.1
123410	0.82	20	0 N	0 N	0.10 L	50	0.04 L	1.22	0 N	0.1 L
123420	0.85	15	0 N	0 N	0.10 L	50	0.04 L	1.99	0 N	0.1 L
124110	0.83	10	70	15	0.18	30	0.04 L	0.78	10	0.6
124120	0.89	10	0 N	15	0.13	30	0.04 L	1.24	15	0.2
124210	0.8	10	0 N	30	0.52	30	0.04 L	2.62	15	0.3
124220	0.68	10	0 N	15	0.24	20	0.04 L	0.27	15	0.1 L
125310	1.15	10	70	20	0.10 L	30	0.04 L	1.30	15	0.2
125320	1.13	0 N	70	10	0.10 L	200	0.04 L	2.06	10	0.1 L
125410	1.25	15	70	15	0.15	70	0.04 L	0.74	10	0.3
125420	1.28	15	200	7	0.10 L	50	0.04 L	0.10 L	10	0.2
126110	1.33	10	L	15	0.12	30	0.04 L	0.58	10	0.4
126120	1.3	0 N	0 N	7	0.10	30	0.04 L	0.58	7	0.1 L
126210	1.33	L	0 N	15	0.10 L	50	0.04 L	0.66	7	0.4
126220	1.15	10	0 N	5	0.10 L	30	0.04 L	1.51	5	0.1 L
127210	1.33	0 N	70	15	0.41	30	0.04 L	0.36	7	0.1 L
127220	1.25	10	L	15	0.10 L	70	0.04 L	0.25	10	0.5
127410	1.18	0 N	70	10	0.10 L	20	0.04 L	0.40	15	0.1 L
127420	1.1	10	70	20	0.22	30	0.04 L	0.67	10	0.7
128310	2.51	0 N	0 N	15	0.10 L	20	0.04 L	1.43	7	0.1
128320	2.35	0 N	0 N	15	0.12	30	0.04 L	0.10 L	15	0.4
128410	2.08	10	0 N	30	0.10 L	50	0.04 L	0.54	15	0.1
128420	2.08	10	150	30	0.21	50	0.04 L	0.64	15	0.5
129110	1.1	10	70	20	0.13	20	0.04 L	0.33	10	0.6
129120	1.03	L	0 N	10	0.10 L	70	0.04 L	0.20	7	0.5
129410A	3	0 N	0 N	15	0.12	100	0.04 L	0.24	10	0.7
129410B	3.25	10	70	15	0.29	70	0.04 L	0.16	10	0.1 L
129420	2.95	0 N	0 N	15	0.10 L	30	0.04 L	0.39	15	0.4
130110	0.85	10	70	15	0.29	200	0.04 L	2.15	10	0.5
130120A	1.2	15	70	10	0.10 L	30	0.04 L	0.45	7	0.1 L
130120B	1.15	15	100	10	0.27	30	0.04 L	0.69	7	0.1
130410	0.98	50	100	0 N	0.13	50	0.04 L	0.10 L	7	0.1 L
130420	1.23	10	0 N	10	0.22	50	0.04 L	1.04	10	0.1 L
131210	1.3	15	0 N	0 N	0.10 L	50	0.04 L	0.60	0 N	0.3
131220	1.28	20	100	10	0.10 L	20	0.04 L	1.17	7	0.6
131310	1.48	10	0 N	0 N	0.14	50	0.04 L	2.99	L	0.3

Field ID	Na2O	Nb, ppm	Nd, ppm	Ni, ppm	P2O5, %	Pb, ppm	Tot. S, %	Sb, ppm	Sc, ppm	Se, ppm
131320	0.8	50	150	10	0.11	30	0.04 L	0.65	15	0.2
132210	1.15	15	150	15	0.10 L	70	0.04 L	0.21	15	0.5
132220	1.18	10	70	20	0.15	30	0.04 L	2.24	10	0.1 L
132410A	1	L	70	15	0.12	50	0.04 L	0.72	10	0.6
132410B	1.05	10	70	15	0.10 L	70	0.04 L	1.28	10	0.1 L
132420	1.5	10	100	15	0.12	50	0.04 L	2.61	10	0.3
133110	1.28	10	70	15	0.10 L	30	0.04 L	0.56	10	0.1 L
133120	1.5	10	0 N	10	0.12	20	0.04 L	0.10 L	5	0.3
133310	1.15	0 N	0 N	10	0.16	30	0.04 L	0.32	7	0.1 L
133320	1.1	10	0 N	5	0.11	50	0.04 L	0.14	7	0.1 L
134210	1.64	0 N	B	5	0.10 L	20	0.04 L	0.25	5	0.1 L
134220	1.43	L	0 N	10	0.10 L	30	0.04 L	0.10 L	7	0.4
134310	1.4	0 N	70	5	0.68	30	0.04 L	0.68	5	0.3
134320	0.98	L	100	20	0.10 L	70	0.04 L	0.54	15	0.1 L
135210A	3.08	70	200	5	0.13	50	0.04 L	0.10 L	15	0.2
135210B	3.38	0 N	0 N	10	0.26	70	0.04 L	0.21	7	0.4
135220	2.48	70	300	5	0.10 L	50	0.04 L	2.00	15	0.1 L
135410	3.2	70	150	0 N	0.10 L	50	0.04 L	0.91	10	0.1 L
135420	2.6	100	300	5	1.07	50	0.04 L	2.74	20	0.7
136110	1.18	10	0 N	30	0.12	100	0.04 L	1.93	15	0.6
136120	1.56	0 N	70	20	0.10 L	70	0.04 L	1.63	15	0.1 L
136410	1.33	0 N	0 N	20	0.12	30	0.04 L	0.10 L	15	0.3
136420	1.23	10	300	20	0.12	100	0.04 L	1.03	15	0.5
137310	0.68	L	0 N	20	0.12	50	0.05	4.27	15	0.6
137320	0.75	0 N	0 N	15	0.11	30	0.04 L	0.10 L	10	0.1
137410	0.28	15	0 N	0 N	0.10 L	70	0.04 L	0.87	L	0.1 L
137420	0.3	30	70	5	0.10 L	30	0.04 L	4.49	7	0.1 L
138210A	0.5	15	L	5	0.10 L	20	0.04 L	0.10 L	7	0.1 L
138210B	0.48	15	0 N	10	0.10 L	70	0.04 L	0.10 L	7	0.6
138220	0.58	15	70	10	0.34	20	0.04 L	0.26	7	0.3
136410	0.5	20	L	0 N	0.10 L	30	0.04 L	1.68	5	0.1 L
138420	0.73	20	150	5	0.10 L	30	0.04 L	0.57	7	0.3
139210	1.53	15	150	5	0.10 L	50	0.04 L	0.10 L	7	0.6
139220A	1.33	15	70	10	0.24	20	0.04 L	0.10 L	10	0.1 L
139220B	1.3	15	100	15	0.10 L	70	0.04 L	1.10	10	1.2
139410	1.13	50	150	0 N	0.10 L	30	0.04 L	0.33	10	0.1 L
139420	1.39	30	150	15	0.10 L	30	0.04 L	1.02	15	0.3
140110	1.56	10	0 N	15	0.10 L	50	0.04 L	1.28	10	0.4
140120	1.23	0 N	0 N	L	0.24	20	0.04 L	0.21	0 N	0.1
140310	1.48	0 N	0 N	0 N	0.10 L	30	0.04 L	0.52	0 N	0.1 L
140320	1.53	0 N	B	0 N	0.10 L	20	0.04 L	0.10 L	0 N	0.3
141210	1.25	10	L	15	0.22	30	0.04 L	0.77	10	0.3
141220	1.43	0 N	70	5	1.50	50	0.04 L	0.55	5	0.1 L
141410	1.38	10	150	10	0.13	50	0.04 L	0.43	10	0.3
141420A	1.23	15	70	15	0.10 L	30	0.04 L	2.21	15	0.6
141420B	1.23	10	70	20	0.10 L	30	0.04 L	2.16	10	0.3
142310	0.35	15	0 N	0 N	0.14	50	0.04 L	0.18	5	0.2
142320	0.48	20	0 N	0 N	0.10 L	30	0.04 L	2.60	5	0.2
142410	0.63	15	70	15	0.12	20	0.04 L	0.46	10	0.4
142420A	0.2	15	0 N	0 N	0.10 L	70	0.04 L	0.10 L	0 N	0.7
142420B	0.25	20	0 N	0 N	0.10 L	50	0.04 L	0.43	0 N	0.1 L
143210	0.98	20	70	0 N	0.10 L	70	0.04 L	0.10 L	7	0.2
143220	1.2	20	150	10	0.11	100	0.04 L	0.10 L	10	0.4
143310	1.3	15	0 N	0 N	0.10 L	30	0.04 L	0.10 L	5	0.3
143320	1.1	15	0 N	L	0.30	70	0.04 L	0.59	L	0.1 L
144310	1.43	15	100	10	0.15	100	0.04 L	0.10 L	7	0.5
144320	1.3	15	70	10	0.10 L	50	0.04 L	1.95	15	0.5
144410	1.6	10	70	15	0.10	30	0.04 L	0.26	10	0.1 L
144420	1.58	10	0 N	7	0.10 L	30	0.04 L	0.49	7	0.4
145210	1.73	10	70	5	0.10 L	30	0.04 L	2.10	10	0.2
145220	2.2	10	150	3	0.10 L	50	0.04 L	0.52	5	0.1 L
145410	1.18	15	70	10	0.10 L	50	0.04 L	2.87	10	0.6
145420	1.33	10	0 N	10	0.10 L	30	0.04 L	0.10 L	7	0.1 L
146110	0.25	30	B	0 N	0.10 L	50	0.04 L	0.34	0 N	0.1 L
146120	0.3	20	0 N	0 N	0.16	30	0.04 L	1.17	0 N	0.2

Field ID	Na2O	Nb, ppm	Nd, ppm	Ni, ppm	P2O5, %	Pb, ppm	Tot. S, %	Sb, ppm	Sc, ppm	Se, ppm
146210	0.48	20	0 N	5	0.10 L	20	0.04	0.39	5	0.1 L
146220	0.35	20	B	0 N	0.10 L	30	0.04 L	0.10 L	0 N	0.2
147110	1.33	20	100	5	0.27	30	0.04 L	0.13	7	0.1 L
147120	1.18	15	300	0 N	0.10 L	50	0.04 L	0.10 L	0 N	0.4
147410	1.28	30	100	7	0.10 L	30	0.04 L	0.60	10	0.5
147420	1.33	20	70	10	0.25	30	0.04 L	0.10 L	7	0.5
148110	1.42	20	200	5	0.10 L	50	0.04 L	1.44	7	0.5
148120	1.43	15	100	5	0.10 L	50	0.04 L	1.13	5	0.2
148210	1.38	20	150	7	0.12	50	0.04 L	2.09	7	0.5
148220	1.43	20	70	0 N	0.29	70	0.04 L	1.36	7	0.7
149110A	1.4	10	70	15	0.17	30	0.04 L	0.69	10	0.1 L
149110B	1.35	15	70	15	0.14	20	0.04 L	0.48	10	0.4
149120	1.65	10	70	10	0.10 L	70	0.04	1.76	10	0.3
149310	2.15	10	0 N	5	0.10 L	70	0.04 L	0.46	5	0.6
149320	1.7	15	L	10	0.10 L	20	0.04 L	0.10 L	7	0.2
150210	0.38	15	0 N	5	0.10 L	30	0.04 L	0.70	L	0.3
150220A	2	20	150	5	0.10	70	0.04 L	1.89	10	0.1 L
150220B	1.88	20	150	5	0.10	70	0.04 L	0.22	10	0.4
150310	2.53	20	100	5	0.12	70	0.04 L	0.10 L	10	0.3
150320	2.5	70	300	0 N	0.14	70	0.04 L	0.12	30	0.1 L
151110	0.9	15	L	0 N	0.12	30	0.04 L	0.46	L	0.1
151120	0.75	0 N	100	15	0.10 L	70	0.04 L	4.89	15	0.1 L
151310	1.03	30	150	5	0.10 L	70	0.04 L	2.14	10	0.5
151320	0.6	70	70	0 N	0.10 L	50	0.04 L	0.88	5	0.5
152310	1.48	20	150	5	0.10 L	30	0.04 L	0.10 L	5	0.4
152320	1.5	50	100	7	0.16	50	0.04 L	0.10 L	7	0.6
152410A	1.4	20	70	0 N	0.10 L	30	0.04 L	0.26	5	0.1 L
152410B	1.53	20	70	L	0.19	50	0.04 L	0.23	5	0.6
152420	1.05	15	B	0 N	0.10 L	30	0.04 L	2.99	0 N	0.1 L
153110	1.5	10	150	7	0.10 L	50	0.04 L	0.22	5	0.8
153120	1.5	10	L	7	0.10 L	30	0.04 L	1.50	7	0.2
153310	1.23	10	0 N	0 N	0.10 L	20	0.04 L	1.05	0 N	0.2
153320	1.25	15	0 N	0 N	0.10 L	50	0.04 L	1.19	0 N	0.4
154110	2.43	70	300	5	0.21	70	0.04 L	1.50	15	0.1
154120	2.78	70	300	5	0.73	70	0.04 L	0.23	B	0.4
154410	2.23	70	300	0 N	0.23	70	0.04 L	0.29	15	0.2
154420	1.16	50	100	5	0.10 L	30	0.04 L	1.43	7	0.7
155310	1.26	20	0 N	0 N	0.10 L	50	0.04 L	1.91	L	0.1 L
155320	0.8	50	0 N	0 N	0.66	70	0.04 L	0.62	0 N	0.1 L
155410	1.36	30	0 N	0 N	0.12	70	0.04	1.71	0 N	0.3
155420	1.33	20	70	5	0.10 L	50	0.04 L	0.87	5	0.3
156111	1.09	20	0 N	0 N	0.12	30	0.04 L	0.48	L	0.1 L
156112	1.13	30	0 N	0 N	0.10 L	30	0.04 L	0.46	L	0.1 L
156120	1.08	30	0 N	15	0.10 L	100	0.04 L	0.59	0 N	0.2
156210	1.18	20	70	0 N	0.10 L	50	0.04 L	0.10 L	L	0.4
156220	1.28	30	0 N	0 N	0.10 L	30	0.04 L	1.72	0 N	0.1 L
157110	1.3	30	100	5	0.10 L	70	0.04 L	1.75	5	0.2
157120	1.25	30	100	7	0.12	50	0.04 L	1.50	10	0.1
157410A	1.33	15	70	7	0.12	30	0.04 L	0.43	7	0.1 L
157410B	1.44	20	L	10	0.10 L	30	0.04 L	3.70	7	0.5
157420	1.05	20	70	7	1.60	20	0.04	0.38	10	0.1 L
158110	0.38	20	0 N	0 N	0.10 L	20	0.04 L	0.61	0 N	0.2
158120	0.5	15	0 N	0 N	0.16	100	0.04 L	2.21	5	0.6
158310A	0.48	15	0 N	0 N	0.10 L	50	0.04 L	1.25	0 N	0.7
158310B	0.45	15	B	0 N	0.10 L	50	0.04 L	0.10 L	0 N	0.6
158320	0.63	15	B	0 N	0.10 L	30	0.04 L	2.88	0 N	0.1 L
159210	1.48	20	B	0 N	0.10 L	50	0.04 L	0.96	0 N	0.4
159220	1.75	10	0 N	0 N	0.10 L	30	0.04 L	0.71	L	0.1 L
159411	1.43	30	100	0 N	0.10 L	70	0.04 L	5.55	5	0.3
159412	1.4	30	70	0 N	0.43	30	0.04 L	0.49	5	0.7
159420A	1.07	30	150	5	0.10 L	70	0.04 L	0.34	10	0.3
159420B	1.23	50	150	5	0.10 L	30	0.04 L	0.70	10	0.8
160110	1.43	20	0 N	0 N	0.10	30	0.04 L	0.47	5	0.5
160120	1.68	30	100	0 N	0.10 L	20	0.04 L	1.08	5	0.2
160310A	1.73	30	0 N	0 N	0.10 L	50	0.04 L	0.10 L	L	0.7

Field ID	Na2O	Nb, ppm	Nd, ppm	Ni, ppm	P2O5, %	Pb, ppm	Tot. S, %	Sb, ppm	Sc, ppm	Se, ppm
160310B	1.7	20	0 N	0 N	0.10 L	70	0.04 L	1.20	0 N	0.2
160320	1.4	20	0 N	0 N	0.10 L	50	0.04 L	2.07	5	0.4
161110	0.88	30	100	0 N	0.16	70	0.04 L	0.28	7	0.7
161120	0.68	10	0 N	0 N	0.10 L	50	0.04 L	1.16	0 N	0.4
161310A	0.3	20	70	0 N	0.10 L	30	0.04 L	0.10 L	L	0.5
161310B	0.35	20	0 N	0 N	0.12	50	0.04 L	0.10 L	5	0.5
161320	0.63	15	0 N	0 N	0.10 L	300	0.04 L	0.10 L	L	0.2
162210	0.6	10	B	0 N	0.10 L	30	0.04 L	0.62	0 N	0.4
162220	0.73	15	B	0 N	0.10 L	30	0.04 L	0.56	0 N	0.3
162310	0.9	15	0 N	0 N	0.26	20	0.04 L	0.71	0 N	0.4
162320	0.74	15	B	0 N	0.10 L	30	0.04 L	1.91	0 N	0.1 L
163110A	1.58	20	100	0 N	0.15	30	0.04 L	0.43	7	0.4
163110B	1.6	30	L	0 N	0.10 L	30	0.04 L	0.45	5	0.2
163121	1.6	30	70	0 N	0.10 L	30	0.04 L	1.28	5	0.3
163122	1.6	30	70	0 N	0.10 L	20	0.04 L	1.06	5	0.2
163210	1.63	30	100	0 N	0.10 L	20	0.04 L	1.00	5	0.3
163220	1.43	30	0 N	0 N	0.13	30	0.04 L	0.77	0 N	0.2
164110	0.18	0 N	0 N	5	0.10 L	15	0.04 L	0.67	0 N	0.6
164120	0.05	0 N	0 N	L	0.10 L	10	0.04 L	0.41	0 N	0.1 L
164310	1.05	10	70	20	1.58	30	0.05	2.76	10	0.4
164320	0.75	15	70	20	0.10 L	20	0.14	0.75	15	0.1
165110	0.74	30	0 N	0 N	0.10 L	70	0.04 L	0.69	5	0.4
165120	0.63	10	0 N	5	0.12	15	0.04 L	0.28	15	0.4
165410	1.4	10	0 N	7	0.19	20	0.04 L	0.10 L	15	0.5
165420	1.58	L	100	5	0.22	20	0.04 L	0.41	15	1.6
166310	1.33	20	0 N	5	0.10 L	50	0.04 L	1.02	5	0.2
166320	0.98	20	0 N	0 N	0.10 L	50	0.04 L	0.10 L	5	1.3
166410	0.85	10	0 N	L	0.10 L	30	0.04 L	0.10 L	5	0.8
166420A	1	15	0 N	0 N	0.10 L	30	0.04 L	0.49	0 N	0.4
166420B	1.05	10	0 N	0 N	0.10 L	30	0.04 L	0.89	0 N	0.2
167110	1.28	15	100	7	0.10 L	300	0.04 L	0.10 L	5	0.9
167120	1.23	20	L	7	0.11	700	0.07	2.41	7	0.4
167210	1.2	10	0 N	15	0.20	200	0.04 L	1.41	7	0.2
167220	1.14	15	70	15	0.10 L	30	0.04 L	0.59	10	0.3
168110A	0.95	0 N	0 N	0 N	0.32	30	0.04 L	1.17	5	0.2
168110B	1	10	0 N	0 N	0.10 L	30	0.04 L	0.64	0 N	0.4
168120	0.51	15	0 N	5	0.11	15	0.04 L	2.12	L	0.1 L
168310	0.73	10	0 N	0 N	0.10 L	20	0.04 L	1.27	L	0.2
168320	0.9	0 N	0 N	20	0.11	20	0.17	0.60	10	0.8
169210	0.98	10	0 N	L	0.83	20	0.04 L	0.15	5	0.4
169220	1.03	15	0 N	5	0.10 L	50	0.04 L	0.10 L	7	0.1 L
169410	1.1	10	70	0 N	0.25	20	0.04 L	1.14	7	0.1 L
169420	1.03	10	0 N	0 N	0.10 L	20	0.04 L	1.20	7	0.4
170310	2.18	10	70	30	0.97	70	0.04 L	0.10 L	15	0.8
170320	3.53	20	100	10	0.54	50	0.04 L	0.69	15	0.3
170410	1.98	15	100	20	0.24	20	0.04 L	0.10 L	15	1.0
170420	2.45	15	70	10	0.16	70	0.04 L	0.58	15	0.4
171210	0.96	15	0 N	0 N	0.10 L	30	0.04 L	1.80	L	0.2
171220	0.83	10	0 N	0 N	0.10 L	20	0.04 L	0.44	0 N	0.1
171410	0.73	10	B	0 N	0.13	30	0.04 L	4.26	L	0.1 L
171420	0.98	15	0 N	0 N	0.17	70	0.05	1.94	7	0.1 L
172110	1.38	0 N	0 N	L	0.20	20	0.04 L	0.78	7	0.1 L
172120	1.58	10	0 N	7	0.10 L	50	0.04 L	0.33	10	0.1 L
172211	1.23	10	0 N	0 N	0.34	100	0.04 L	0.58	L	0.3
172212	1.23	15	0 N	0 N	0.10 L	15	0.04 L	0.70	5	0.4
172220	1	10	0 N	0 N	0.10 L	30	0.04 L	0.25	5	0.1
173210	2.83	10	0 N	5	0.16	30	0.04 L	0.31	15	0.1 L
173220	2.83	10	0 N	10	0.19	30	0.04 L	0.50	15	0.3
173410	1.78	10	70	15	0.25	50	0.04 L	0.10 L	10	0.6
173420	1.55	15	100	10	0.29	30	0.04 L	0.62	15	0.4
174310	1.3	10	70	20	0.10 L	15	0.04 L	1.14	15	0.4
174320	2.03	10	0 N	10	0.10 L	30	0.04 L	0.35	7	0.1 L
174410	1.35	10	0 N	15	0.12	50	0.04 L	2.92	10	0.5
174420	1.5	15	L	15	1.14	50	0.04 L	0.10 L	10	0.4
175110	0.95	L	0 N	10	0.10 L	30	0.04 L	0.40	5	0.6

Field ID	Na2O	Nb, ppm	Nd, ppm	Ni, ppm	P2O5, %	Pb, ppm	Tot. S, %	Sb, ppm	Sc, ppm	Se, ppm
175120	1.28	10	70	7	0.13	30	0.04 L	0.59	7	0.2
175410	1.15	15	0 N	15	0.10 L	30	0.04 L	2.51	10	0.2
175420	1.1	15	0 N	15	0.10 L	30	0.04 L	0.94	10	0.2
176110	2.98	15	200	15	0.11	30	0.04 L	0.10 L	10	0.2
176120	2.33	10	100	10	0.10 L	50	0.04 L	0.10 L	7	0.1
176210A	1.7	L	70	7	0.10 L	30	0.04 L	0.87	7	0.5
176210B	1.65	0 N	0 N	7	0.13	30	0.04 L	0.65	5	0.4
176220	1.98	L	100	15	0.15	70	0.04 L	1.55	10	0.6
177110	1.4	10	0 N	20	0.10 L	30	0.04 L	0.85	10	0.2
177120	1.35	0 N	0 N	20	0.10 L	30	0.04 L	1.36	10	0.3
177410	1.2	0 N	0 N	20	0.13	20	0.04 L	2.86	10	0.1
177420	0.39	0 N	0 N	50	0.10 L	30	0.04	2.85	10	1.0
178210	1.08	10	0 N	20	0.10 L	20	0.04 L	1.20	10	0.5
178220	1.13	10	0 N	20	0.10 L	20	0.04 L	0.93	10	0.3
178410	1.2	L	0 N	20	0.10 L	30	0.04 L	2.44	10	0.4
178420A	1.08	0 N	0 N	20	0.18	30	0.04 L	0.67	10	0.3
178420B	1.1	10	0 N	30	0.11	50	0.04 L	0.63	15	0.5
179110	1.1	L	0 N	10	0.10 L	10	0.07	1.86	7	0.3
179120	1.13	0 N	0 N	15	0.64	15	0.54	0.18	7	0.4
179410	1.43	10	B	15	0.10	20	0.04 L	0.78	10	0.1 L
179420	1.05	0 N	100	20	0.10 L	70	0.04 L	1.72	15	0.2
180110	1.39	0 N	0 N	7	0.14	15	0.04 L	2.00	7	0.3
180120	1.18	0 N	0 N	7	0.49	30	0.05	1.17	5	0.1 L
180210	0.85	0 N	B	10	0.10 L	15	0.05	1.24	7	0.1 L
180220	0.93	0 N	0 N	15	0.20	15	0.04 L	2.33	7	0.2
181310	1.13	0 N	0 N	20	2.12	15	0.04 L	0.10 L	10	0.2
181320	0.8	0 N	B	15	0.10 L	15	0.04 L	2.26	7	0.1 L
181410	0.55	L	0 N	10	0.37	70	0.04 L	2.44	7	0.3
181420	0.8	0 N	0 N	15	0.10 L	20	0.04 L	0.58	7	0.2
182210	1.33	15	0 N	5	0.10 L	30	0.04 L	2.44	5	0.1
182220	1.35	10	0 N	0 N	0.10 L	70	0.04 L	0.34	0 N	0.2
182310	1.23	0 N	0 N	5	0.29	30	0.04 L	0.27	5	0.5
182320	1.43	15	B	0 N	0.10 L	70	0.04 L	0.81	0 N	0.6
183110	1.2	0 N	0 N	10	0.10 L	20	0.04 L	0.66	10	0.6
183120	1.08	L	L	10	0.10 L	50	0.04 L	0.10 L	7	0.3
183310	1.04	10	0 N	20	0.19	200	0.04 L	3.34	10	0.4
183320	1.1	0 N	0 N	15	0.12	50	0.04 L	0.20	15	0.1
184210	0.7	0 N	0 N	15	0.16	50	0.04 L	1.37	7	0.1 L
184220	0.6	0 N	0 N	15	0.10 L	30	0.04 L	2.19	7	0.2
184410	0.68	L	0 N	15	0.11	30	0.04 L	0.69	10	0.4
184420	1.18	10	0 N	20	0.11	30	0.04 L	0.86	7	0.2
185310	0.7	10	0 N	15	0.22	30	0.04 L	0.68	10	0.4
185320	0.73	10	0 N	7	0.10 L	50	0.04 L	1.60	7	0.2
185410	0.95	10	70	15	0.14	20	0.04 L	0.71	15	0.6
185420	1.08	10	L	10	0.10 L	50	0.04 L	0.94	10	0.3
186110	0.43	0 N	0 N	15	0.21	30	0.04 L	0.75	7	0.2
186120	0.53	10	0 N	15	0.10 L	50	0.04 L	0.92	7	0.3
186310	2.2	0 N	0 N	10	0.15	20	0.04 L	0.10 L	10	0.1 L
186320	1.2	10	0 N	10	0.39	50	0.04 L	0.81	7	0.3
187210	0.98	10	B	0 N	0.41	20	0.04 L	0.10 L	0 N	0.1 L
187220	1.1	15	0 N	0 N	0.10 L	50	0.04 L	2.55	0 N	0.2
187410	0.73	15	B	0 N	0.20	30	0.04 L	1.99	0 N	0.4
187420	1	10	B	0 N	0.10 L	20	0.04 L	0.20	0 N	0.1 L
188310	1.25	10	0 N	10	0.10 L	150	0.04 L	0.58	10	0.8
188320	0.3	0 N	0 N	15	0.14	30	0.04 L	0.82	7	0.3
188410	2.73	15	70	30	0.22	50	0.04 L	0.49	10	0.6
188420	1.9	10	200	20	0.26	30	0.04 L	0.10 L	15	0.1 L
189110	1.33	L	100	15	0.12	200	0.05	1.06	10	0.1 L
189120	1.28	L	0 N	20	0.36	500	0.07	4.74	7	0.1 L
189210	1.28	10	70	15	0.12	200	0.04 L	0.92	10	0.3
189220	1.38	10	70	10	0.10 L	100	0.04	1.77	7	0.3
190110	1.19	20	0 N	10	0.18	100	0.04 L	0.97	7	0.2
190120	1.28	10	0 N	15	0.14	70	0.04 L	1.45	10	0.1 L
190410	1.18	10	70	15	0.62	150	0.04 L	1.37	10	0.5
190420	1.3	L	L	10	0.10 L	100	0.04	1.44	7	0.2

Field ID	SiO2, %	Sn, ppm	Sr, ppm	Ti, %	V, ppm	Y, ppm	Yb, ppm	Zn, ppm	Zr, ppm
001210	69.1	3.2	200	0.3	70	20	2.0	53	200
001220	69.1	1.2	150	0.3	50	20	3.0	65	200
001310	66.7	1.9	500	0.3	100	15	1.5	52	200
001320A	66.7	2.3	200	0.3	100	15	2.0	74	200
001320B	70.0	1.2	200	0.3	100	50	7.0	74	200
002110	62.2	1.7	200	0.7	200	100	10.0	92	150
002120	73.5	0.9	150	0.2	70	15	1.5	42	100
002410	64.4	B	200	0.5	150	30	3.0	110	200
002420	63.7	1.4	150	0.3	100	30	5.0	75	150
003210	58.7	2.7	500	0.2	300	15	2.0	154	150
003220	56.9	1.5	300	0.2	200	20	2.0	146	100
003410	62.6	3.9	300	0.2	150	20	2.0	83	150
003420	61.9	0.6	500	0.2	200	20	2.0	94	100
004210A	71.6	1.8	500	0.2	150	30	3.0	80	100
004210B	72.0	0.2	300	0.2	100	15	1.5	70	200
004220	63.6	5.1	300	0.2	100	15	2.0	71	150
004410	27.3	1.6	1500	0.1	20	0 N	0.0 N	24	70
004420	58.9	0.5	300	0.2	100	15	1.5	72	150
005110	72.8	0.6	100	0.2	70	15	1.5	45	200
005120	75.1	1.2	150	0.2	70	20	2.0	39	300
005210	69.5	2.2	150	0.2	100	15	1.5	46	150
005220A	79.1	B	100	0.2	50	15	1.5	43	300
005220B	84.6	1.2	100	0.2	50	15	1.5	39	150
006110A	82.3	1.6	150	0.2	50	30	3.0	39	200
006110B	75.9	0.1 L	150	0.2	50	15	1.5	39	200
006120	63.1	1.0	150	0.2	70	15	2.0	42	200
006310	83.5	1.2	150	0.2	70	15	1.5	36	200
006320	79.1	2.5	150	0.2	70	20	2.0	52	300
007110	81.0	1.0	150	0.2	50	20	1.5	42	150
007120	64.3	1.1	150	0.2	70	15	1.5	50	150
007310	68.6	1.0	200	0.2	70	20	2.0	100	200
007320	71.3	0.1 L	200	0.2	70	30	3.0	64	150
008110	65.4	0.5	500	0.2	70	20	2.0	65	200
008120	80.9	1.9	200	0.2	70	20	2.0	46	200
008210	72.6	0.4	200	0.2	70	15	1.5	53	100
008220	74.6	0.4	300	0.2	70	20	2.0	44	100
009110A	64.3	3.9	150	0.2	70	30	3.0	80	200
009110B	62.8	2.2	150	0.5	100	20	2.0	100	200
009120	61.5	2.8	150	0.3	150	15	2.0	112	150
009210	63.1	2.6	300	0.5	100	70	7.0	77	150
009220	71.3	0.8	200	0.3	100	30	3.0	81	200
010110	65.6	9.2	200	0.3	150	500	50.0	73	150
010120	72.6	1.9	150	0.2	70	15	1.5	56	100
010211	78.6	1.3	50	0.1	20	10	1.0	18	300
010212	92.1	0.5	20	0.1	30	0 N	0.0 N	17	100
010220	62.1	0.3	300	0.5	200	30	3.0	120	150
011210	72.0	0.9	200	0.2	100	15	1.5	58	200
011220	62.1	0.2	200	0.2	100	15	2.0	108	100
011410	67.2	0.3	200	0.2	100	15	1.5	80	150
011420	67.1	2.6	200	0.3	150	30	3.0	72	150
012110	60.7	1.4	500	0.2	150	20	2.0	90	100
012120	71.5	2.1	500	0.3	70	30	3.0	64	150
012310	67.4	1.5	500	0.2	100	30	5.0	73	200
012320	67.6	0.5	500	0.5	100	20	2.0	63	150
013110	78.1	1.2	300	0.2	100	20	3.0	54	300
013120	74.1	0.6	200	0.2	100	15	2.0	60	150
013410	67.9	0.2	300	0.2	70	15	1.5	47	300
013420	69.2	4.5	200	0.2	70	20	1.5	61	150
014310	74.4	2.2	150	0.2	70	20	1.5	45	150
014320	72.5	1.0	200	0.2	70	20	2.0	67	200
014410	80.3	2.4	150	0.2	70	15	1.5	47	300
014420	74.8	0.1	200	0.2	70	20	2.0	54	300
015310	77.1	1.1	150	0.2	50	15	1.5	39	200
015320	76.3	0.2	200	0.2	70	20	2.0	47	500
015410	77.8	0.4	200	0.2	70	15	2.0	51	150

Field ID	SiO2, %	Sn, ppm	Sr, ppm	Ti, %	V, ppm	Y, ppm	Yb, ppm	Zn, ppm	Zr, ppm
015420	77.8	1.1	200	0.2	70	15	1.5	52	150
016210	71.1	2.4	500	0.2	70	15	1.5	51	150
016220	74.3	0.4	200	0.2	70	15	2.0	42	150
016410	74.7	1.6	200	0.2	70	15	1.5	39	100
016420	80.2	1.1	200	0.2	30	10	1.0	30	150
017210	50.4	0.3	200	0.3	100	30	3.0	56	150
017220	61.8	2.5	200	0.3	100	30	3.0	32	100
017410	62.5	1.0	1000	0.2	70	15	1.5	50	150
017420A	75.2	1.3	500	0.3	70	15	1.5	58	150
017420B	61.1	0.3	500	0.2	70	30	3.0	53	200
018110	68.5	0.4	200	0.2	50	20	1.5	44	150
018120	68.9	4.3	150	0.2	70	15	1.5	52	100
018410	73.4	0.1 L	200	0.3	70	15	1.5	58	150
018420	65.7	0.2	150	0.3	70	15	1.5	80	150
019210	68.9	2.9	200	0.2	100	15	1.5	62	150
019220	50.8	1.1	1000	0.2	200	20	2.0	114	200
019410	63.3	0.1 L	300	0.2	150	15	2.0	96	150
019420	65.6	1.7	200	0.2	200	20	2.0	174	150
020110	70.4	1.8	300	0.3	150	20	2.0	95	300
020120	61.8	0.1 L	500	0.3	150	30	3.0	95	150
020410	62.4	1.3	500	0.2	150	20	1.5	83	100
020420	67.1	0.1 L	500	0.2	100	15	1.5	62	100
021210	70.7	3.2	200	0.2	100	20	3.0	59	150
021220A	67.6	4.0	500	0.2	70	15	1.5	60	200
021220B	65.5	1.9	500	0.2	70	20	2.0	52	150
021311	66.3	1.4	500	0.3	100	30	3.0	72	150
021312	71.1	1.7	200	0.3	30	150	15.0	48	500
021320	67.3	1.0	200	0.2	100	30	3.0	55	200
022110	72.9	1.6	200	0.3	100	20	2.0	88	150
022120	77.2	2.7	150	0.2	50	15	1.5	46	200
022410	79.9	2.2	150	0.2	70	30	2.0	90	200
022420	74.1	1.8	200	0.3	70	15	2.0	33	500
023110	73.2	2.3	200	0.2	70	20	2.0	56	200
023120	75.5	0.2	70	0.2	50	20	2.0	55	200
023310	75.2	1.2	200	0.2	70	15	1.5	58	150
023320	67.3	1.6	200	0.2	100	15	1.5	75	200
024310A	60.1	4.7	200	0.2	50	15	1.5	55	300
024310B	74.1	1.4	200	0.2	70	20	3.0	68	300
024320	72.5	0.9	200	0.2	70	15	1.5	51	150
024410	69.0	1.6	300	0.2	100	15	1.5	69	100
024420	78.7	2.1	200	0.2	50	15	1.5	38	100
025110	54.3	0.2	100	0.2	70	20	2.0	69	200
025120	72.6	0.1 L	150	0.5	100	20	3.0	73	200
025410	62.7	1.9	200	0.2	70	15	1.5	67	150
025420	64.3	2.6	150	0.3	100	30	3.0	72	70
026210	81.9	0.3	70	0.2	30	20	2.0	31	200
026220	66.4	0.8	1000	0.3	100	15	2.0	59	100
026410	57.4	1.6	150	0.2	70	15	1.5	76	100
026420	55.0	8.0	200	0.3	100	20	2.0	47	150
027210	64.9	2.8	200	0.2	100	15	1.5	62	100
027220	78.0	1.5	150	0.2	50	10	1.5	32	100
027410	66.8	3.4	300	0.2	100	50	7.0	81	200
027420	55.7	1.2	500	0.2	200	20	2.0	110	100
028110	66.7	1.2	300	0.2	150	15	2.0	95	150
028120A	63.2	6.8	300	0.2	100	15	1.5	73	100
028120B	60.8	B	300	0.3	150	30	2.0	88	200
028310	62.7	0.4	200	0.2	100	15	2.0	98	150
028320	64.8	9.0	200	0.2	100	20	2.0	80	200
029210	68.3	0.1 L	300	0.2	100	70	7.0	61	150
029220	70.2	0.9	200	0.3	100	20	2.0	64	300
029310A	68.3	1.4	150	0.2	70	15	1.5	55	200
029310B	70.9	6.9	150	0.2	70	20	2.0	52	300
029320	69.2	0.5	200	0.2	100	15	1.5	80	150
030310	77.4	3.6	500	0.2	50	15	1.5	48	200
030320	66.5	5.7	200	0.2	70	20	2.0	50	200

Field ID	SiO2, %	Sn, ppm	Sr, ppm	Ti, %	V, ppm	Y, ppm	Yb, ppm	Zn, ppm	Zr, ppm
030410	65.3	4.2	200	0.2	50	20	1.5	37	150
030420	70.4	1.6	200	0.2	70	15	1.5	40	200
031110A	73.5	B	300	0.2	70	20	2.0	100	300
031110B	67.7	1.1	300	0.2	70	15	1.5	96	150
031120	61.3	1.4	200	0.2	50	15	2.0	36	150
031210	71.7	2.5	150	0.2	50	15	1.5	37	150
031220	63.9	0.4	300	0.2	70	15	1.5	38	200
032110	73.5	1.4	200	0.2	70	15	1.5	53	100
032120	65.7	3.2	300	0.2	70	15	1.5	36	150
032411	76.2	2.2	500	0.2	70	30	7.0	59	1500
032412	55.8	2.7	300	0.2	70	50	7.0	88	300
032420	68.3	3.2	500	0.2	70	30	2.0	82	200
033110	77.4	1.7	150	0.2	50	15	1.5	45	200
033120	72.9	0.6	300	0.2	70	15	1.5	43	100
033210	69.8	0.1 L	150	0.5	150	15	1.5	72	150
033220	62.4	8.9	150	0.3	150	20	2.0	83	150
034110	78.6	0.1 L	100	0.2	50	15	2.0	43	200
034120	76.8	1.0	150	0.2	70	20	2.0	51	150
034210A	88.9	0.6	50	0.1	20	0 N	0.0 N	20	100
034210B	72.3	2.7	50	0.1	20	0 N	1.0	20	150
034220	77.7	1.1	100	0.2	50	15	1.5	37	100
035110	64.1	0.2	200	0.2	70	15	1.5	72	150
035120	66.6	1.9	300	0.2	150	20	1.5	87	150
035310	63.8	1.0	200	0.2	150	50	3.0	123	100
035320	68.9	1.0	150	0.2	100	20	2.0	74	150
036110	66.9	1.6	200	0.2	100	50	3.0	73	150
036120	65.8	1.6	200	0.2	150	20	2.0	75	200
036410	72.6	4.2	300	0.3	100	30	2.0	77	150
036420	67.7	0.7	200	0.2	100	20	1.5	78	150
037110	60.1	0.1 L	300	0.3	100	30	3.0	81	200
037120	69.0	1.6	200	0.2	70	20	1.5	57	300
037310	58.8	2.2	200	0.3	100	20	2.0	54	150
037320A	63.0	0.5	200	0.2	100	30	3.0	75	200
037320B	66.4	4.8	300	0.3	150	50	5.0	89	300
038210	73.0	0.1 L	200	0.2	70	30	3.0	48	200
038220	70.2	0.1 L	300	0.2	70	15	1.5	48	200
038310	75.9	1.6	300	0.2	100	30	3.0	54	200
038320	66.2	0.9	500	0.2	70	15	1.5	52	150
039310A	66.9	2.1	300	0.2	70	20	2.0	96	150
039310B	67.4	3.7	500	0.2	100	30	3.0	95	150
039320	59.3	1.1	200	0.1	30	50	7.0	40	300
039410	74.7	2.7	300	0.2	70	20	2.0	200	100
039420	74.3	2.2	300	0.2	50	30	3.0	74	300
040210	58.0	1.7	300	0.2	50	20	2.0	81	200
040220	74.7	1.5	300	0.2	70	30	5.0	98	200
040410	70.7	0.3	300	0.1	30	15	2.0	29	150
040420	65.9	1.4	300	0.2	50	20	2.0	53	300
041110	68.4	0.7	150	0.2	70	30	3.0	58	150
041120	70.7	0.1 L	100	0.2	50	70	5.0	50	100
041410	67.2	3.4	150	0.2	50	30	5.0	53	200
041420	60.7	2.0	150	0.2	70	30	3.0	60	150
042110	57.7	0.8	300	0.2	100	20	1.5	81	150
042120	93.3	0.1 L	30	0.2	20	20	3.0	12	200
042310A	70.7	0.1 L	100	0.3	70	20	2.0	57	200
042310B	75.8	0.9	70	0.2	50	15	1.5	52	150
042320	75.8	3.9	150	0.2	70	50	2.0	34	70
043110A	69.6	2.6	200	0.2	100	15	1.5	72	150
043110B	73.1	2.3	200	0.2	100	20	1.5	73	100
043120	70.3	2.3	300	0.2	100	20	2.0	68	200
043410	70.5	5.2	300	0.2	100	20	2.0	55	200
043420	65.9	1.7	300	0.2	150	20	2.0	82	150
044310	67.6	2.7	300	0.2	100	15	2.0	54	200
044320	66.1	3.0	300	0.3	100	30	3.0	82	200
044410	63.4	1.8	500	0.3	150	20	2.0	69	200
044420	67.1	3.6	200	0.3	150	20	3.0	88	200

Field ID	SiO2, %	Sn, ppm	Sr, ppm	Ti, %	V, ppm	Y, ppm	Yb, ppm	Zn, ppm	Zr, ppm
045110	70.2	1.9	300	0.3	100	20	2.0	80	200
045120	67.0	5.9	200	0.2	100	20	2.0	68	200
045210	71.5	1.4	200	0.2	100	30	3.0	78	200
045220	72.4	1.5	200	0.2	100	30	3.0	64	200
046310	61.7	0.3	500	0.2	70	50	5.0	120	150
046320	54.0	6.7	300	0.2	70	50	5.0	102	200
046410	69.4	6.2	500	0.2	70	20	3.0	344	200
046420	68.2	4.0	500	1.0	70	70	10.0	230	300
047110	68.1	1.8	200	0.2	50	15	1.5	55	200
047120	74.1	0.4	300	0.2	50	15	2.0	45	200
047210	75.9	1.9	200	0.2	50	30	2.0	107	100
047220	76.8	0.3	300	0.2	70	20	2.0	58	200
048310	74.8	1.5	300	0.2	50	15	1.5	47	200
048320A	85.9	2.4	300	0.2	30	15	1.5	37	300
048320B	76.7	B	200	0.2	30	15	2.0	33	200
048410	71.6	2.1	200	0.1	30	15	1.5	25	150
048420	64.5	1.3	200	0.2	30	20	3.0	25	100
049110	85.4	0.6	30	0.1	20	0 N	0.0 N	34	70
049120	58.1	4.5	150	0.2	50	20	2.0	55	100
049410A	69.3	0.5	150	0.2	100	50	3.0	78	150
049410B	70.6	0.1 L	200	0.2	100	20	1.5	77	150
049421	73.4	0.8	70	0.2	30	10	1.0	32	200
049422	84.0	0.6	50	0.1	30	10	1.0	43	100
050110	63.4	3.9	500	0.2	100	20	1.5	83	100
050120	62.2	1.2	1000	0.2	100	20	2.0	100	150
050210	63.2	0.3	200	0.2	70	30	3.0	71	200
050220	57.4	0.1	700	0.3	150	20	1.5	83	150
051110	66.8	3.4	200	0.3	100	30	3.0	82	150
051120	61.6	2.3	300	0.2	100	15	1.5	70	100
051211	59.3	4.5	500	0.3	150	20	3.0	165	200
051212	62.9	3.9	500	0.2	150	20	2.0	146	200
051220	60.4	0.3	300	0.3	150	20	2.0	86	200
052110	68.4	0.9	300	0.2	150	70	7.0	73	300
052120	66.6	2.0	300	0.2	100	20	2.0	65	150
052210	67.5	3.3	200	0.2	100	20	1.5	74	100
052220	67.4	0.5	200	0.2	100	20	3.0	82	150
053110	70.7	1.9	500	0.2	100	20	3.0	63	200
053120	71.3	2.0	200	0.2	70	20	2.0	75	200
053310	68.9	2.0	200	0.3	100	20	2.0	68	300
053320	79.7	1.4	300	0.2	100	30	3.0	70	200
054110	62.1	2.0	300	0.3	70	30	3.0	208	200
054120	70.2	1.7	300	0.2	70	30	3.0	92	200
054410	71.5	2.3	200	0.2	70	20	3.0	63	200
054420	69.8	0.8	200	0.2	50	15	2.0	60	300
055110	66.6	2.2	200	0.2	30	10	1.0	20	200
055120	73.8	0.7	300	0.2	30	15	1.5	20	150
055210	75.8	2.3	200	0.1	20	100	15.0	19	200
055220	78.5	1.1	200	0.2	20	15	1.5	19	100
056210	70.2	0.1 L	200	0.2	30	10	1.0	18	70
056220	63.2	0.2	200	0.1	30	10	1.0	23	100
056310	75.6	0.1 L	300	0.2	70	20	3.0	48	200
056320A	74.8	0.4	300	0.1	30	15	1.5	29	100
056320B	72.5	0.1 L	200	0.2	30	15	1.5	28	100
057210	78.9	1.3	200	0.2	50	15	1.5	46	150
057220	75.2	2.3	150	0.2	50	10	1.0	41	150
057410	65.7	2.6	700	0.2	100	20	1.5	125	100
057420	73.7	0.4	150	0.2	70	15	1.5	59	200
058111	64.0	1.5	300	0.2	150	20	2.0	88	150
058112	60.9	2.9	300	0.2	200	20	1.5	72	100
058120	64.7	3.8	300	0.2	150	15	2.0	86	150
058310	69.1	1.6	300	0.2	150	15	1.5	64	150
058320	61.7	1.1	200	0.2	100	15	1.5	98	100
059110	62.9	10.2	500	0.2	150	30	2.0	74	150
059120	65.3	0.8	500	0.5	100	50	3.0	112	200
059310	59.9	1.5	500	0.2	150	30	2.0	89	150

Field ID	SiO2, %	Sn, ppm	Sr, ppm	Ti, %	V, ppm	Y, ppm	Yb, ppm	Zn, ppm	Zr, ppm
059320	64.2	0.3	500	0.2	100	50	5.0	62	300
060210	76.8	3.5	500	0.2	100	20	1.5	62	150
060220	53.4	1.2	500	0.2	100	20	1.5	72	100
060310	69.6	1.8	300	0.2	100	15	1.5	85	200
060320	63.4	6.2	500	0.2	100	30	3.0	67	150
061110	67.2	0.1 L	700	0.2	50	15	1.0	33	200
061120	57.6	0.9	300	0.2	70	15	1.5	33	200
061310	71.4	0.9	500	0.2	70	30	3.0	25	200
061320	65.4	0.8	500	0.2	70	20	1.5	52	300
062110	68.6	0.1 L	500	0.3	100	50	7.0	365	300
062120	72.4	2.1	200	0.2	70	30	3.0	100	200
062410	55.2	1.7	300	0.2	70	50	7.0	340	500
062420	69.3	2.0	500	0.3	100	50	7.0	152	300
063210	78.8	0.4	300	0.1	30	15	1.5	29	150
063220	80.5	1.4	300	0.2	30	15	1.5	32	200
063410	74.5	0.6	200	0.2	30	15	1.5	30	150
063420	71.5	1.0	200	0.2	50	15	1.5	24	150
064110	79.2	1.2	200	0.2	30	15	1.5	26	150
064120	59.3	2.2	200	0.1	20	20	1.5	20	150
064410	74.4	0.8	200	0.2	20	10	1.0	24	100
064420A	69.7	0.4	300	0.1	30	15	1.5	18	150
064420B	73.5	0.1 L	200	0.2	30	10	1.0	20	100
065210	57.7	1.1	1000	0.5	150	20	2.0	100	100
065220	65.3	1.4	1000	0.2	150	15	1.5	75	200
065410	79.0	0.5	150	0.2	50	15	1.5	54	100
065420	68.7	0.6	500	0.3	100	20	2.0	69	300
066210	60.3	0.5	500	0.2	100	15	1.5	79	150
066220	62.7	1.6	300	0.2	150	15	2.0	90	150
066410A	52.1	0.9	500	0.2	150	15	1.5	83	100
066410B	63.3	0.3	500	0.3	100	30	2.0	83	300
066420	63.8	2.4	500	0.2	100	20	1.5	87	200
067110	63.7	2.2	300	0.2	150	20	2.0	70	200
067120	71.3	2.0	500	0.2	100	20	2.0	58	150
067310	67.7	1.0	500	0.2	100	15	1.5	57	150
067320A	67.3	2.1	500	0.2	70	10	1.0	35	150
067320B	71.7	4.1	500	0.2	50	15	1.0	35	200
068110	66.9	2.1	300	0.2	150	30	3.0	105	200
068120	65.8	0.7	300	0.2	150	20	2.0	98	150
068210	67.7	1.7	200	0.2	150	30	3.0	88	200
068220A	61.9	1.8	500	0.2	100	20	2.0	70	200
068220B	65.7	0.7	300	0.2	100	15	1.5	76	150
069310A	67.6	0.8	500	0.3	150	30	3.0	79	300
069310B	65.1	B	200	0.5	150	70	5.0	98	200
069320	61.8	2.8	300	0.3	150	20	2.0	96	200
069410	69.5	1.8	300	0.3	150	20	3.0	95	300
069420	65.0	34.3	300	0.2	100	20	5.0	80	500
070210	62.0	4.4	300	0.3	100	30	3.0	114	300
070220	65.3	1.5	500	0.3	100	50	7.0	97	200
070410	60.6	3.1	500	0.3	100	50	5.0	300	150
070420	63.9	3.3	200	0.3	100	30	3.0	114	150
071310	75.5	0.4	300	0.2	50	20	3.0	34	200
071320	73.3	0.1 L	200	0.2	30	50	3.0	25	200
071410	69.9	1.7	200	0.2	30	15	1.5	23	200
071420	72.4	0.3	300	0.2	30	30	2.0	30	300
072110	71.9	0.7	300	0.3	100	30	5.0	71	300
072120	62.4	2.5	200	0.2	50	20	2.0	74	200
072410	78.1	3.4	200	0.2	100	20	2.0	56	300
072420	60.5	3.6	300	0.2	100	30	3.0	66	300
073110	65.2	3.8	500	0.5	150	30	2.0	76	200
073120	55.0	1.6	1000	0.5	150	20	2.0	95	150
073310	56.1	1.2	700	0.2	100	15	1.5	88	150
073320A	65.5	0.6	700	0.2	100	10	1.0	70	100
073320B	63.2	1.8	1000	0.2	100	15	1.5	66	150
074310	63.6	5.2	500	0.2	100	15	1.5	81	100
074320	66.4	0.2	500	0.2	100	20	1.5	70	150

Field ID	SiO2, %	Sn, ppm	Sr, ppm	Ti, %	V, ppm	Y, ppm	Yb, ppm	Zn, ppm	Zr, ppm
074410	68.8	4.0	300	0.2	100	50	5.0	68	150
074420A	71.5	1.7	300	0.2	70	20	2.0	62	150
074420B	71.8	0.1 L	500	0.2	70	15	1.5	70	150
075110A	71.9	1.7	300	0.3	100	30	5.0	63	300
075110B	64.1	2.2	500	0.3	100	15	2.0	54	200
075120	61.2	0.1 L	300	0.3	150	150	50.0	60	150
075210	73.1	1.2	500	0.2	100	150	20.0	55	300
075220	72.3	1.1	500	0.2	100	20	2.0	48	200
076310	65.7	1.4	200	0.3	100	20	1.5	79	200
076320A	65.3	0.8	300	0.3	100	20	2.0	75	200
076320B	53.5	0.2	200	0.2	100	50	5.0	80	200
076410	59.2	1.4	300	0.3	100	30	7.0	63	300
076420	61.7	1.4	300	0.2	100	30	3.0	87	100
077210	69.4	0.6	200	0.3	100	20	2.0	90	150
077220	73.6	0.9	200	0.2	100	15	2.0	63	300
077310	77.1	0.1 L	200	0.2	100	20	1.5	74	150
077320	79.3	2.3	200	0.2	70	30	5.0	57	200
078210	79.7	2.4	200	0.2	70	15	1.5	65	200
078220	65.2	1.9	200	0.2	70	30	3.0	90	300
078310	71.8	1.4	200	0.2	70	20	3.0	59	200
078320A	61.6	2.7	500	0.3	70	30	3.0	328	150
078320B	60.6	2.4	500	0.3	100	50	5.0	335	200
079110	79.7	2.5	200	0.2	50	15	2.0	37	200
079120	75.1	1.0	300	0.2	30	15	1.5	32	150
079310A	78.4	0.8	200	0.1	30	15	1.5	26	200
079310B	58.6	0.4	200	0.2	30	70	7.0	23	150
079320	82.1	0.1	200	0.3	70	30	3.0	50	200
080110	83.9	2.1	200	0.2	30	20	2.0	25	150
080120	69.2	0.1 L	300	0.2	30	30	3.0	26	200
080210	69.6	0.5	200	0.2	50	15	1.5	30	200
080220	54.3	1.5	200	0.1	30	15	1.5	26	200
081210	60.6	2.4	700	0.3	100	20	1.5	59	200
081220	66.2	1.4	300	0.2	70	15	1.5	55	300
081410	71.3	1.3	500	0.2	70	30	2.0	41	100
081420A	65.8	0.8	200	0.2	50	10	1.5	72	200
081420B	65.8	0.6	200	0.2	70	15	1.5	64	200
082210	70.7	1.5	200	0.3	100	20	2.0	83	200
082220	70.3	0.6	200	0.2	100	30	2.0	73	150
082410	72.6	1.6	150	0.2	70	20	2.0	63	200
082420	71.8	3.9	200	0.2	70	20	2.0	65	150
083110	72.3	3.3	200	0.2	100	20	2.0	82	150
083120	70.0	0.1 L	150	0.2	100	15	1.5	97	200
083310	74.0	0.3	150	0.2	100	15	2.0	69	150
083320	71.5	2.4	200	0.3	100	20	1.5	73	200
084310	73.3	0.6	200	0.2	70	50	3.0	57	150
084320	65.9	1.6	200	0.3	70	30	3.0	118	200
084410A	65.5	1.4	200	0.2	100	20	2.0	385	150
084410B	63.9	0.1 L	300	0.2	100	30	3.0	375	200
084420	69.3	1.3	200	0.2	70	15	1.5	73	150
085210	61.4	2.3	200	0.3	100	20	3.0	55	300
085220	62.5	5.9	150	0.2	70	15	1.5	70	150
085310	73.3	1.4	500	0.2	100	30	3.0	69	200
085320	76.8	4.0	200	0.3	70	70	7.0	83	300
086310	65.3	0.8	200	0.2	50	30	3.0	53	200
086320A	70.6	2.6	300	0.2	50	20	2.0	54	200
086320B	76.7	0.1 L	200	0.2	50	30	3.0	52	300
086410	67.4	0.1 L	300	0.3	100	30	3.0	90	200
086420	71.5	2.0	300	0.2	50	20	2.0	30	200
087110A	72.9	1.4	200	0.2	30	20	2.0	33	200
087110B	76.5	1.5	200	0.2	50	15	1.5	34	300
087120	74.3	2.0	200	0.2	50	15	2.0	36	300
087210	72.5	1.3	200	0.2	30	20	5.0	34	300
087220	78.4	2.1	300	0.2	50	15	2.0	42	300
088110	70.0	0.1 L	300	0.5	70	30	3.0	65	300
088120	78.6	0.4	150	0.2	20	15	1.5	15	150

Field ID	SiO2, %	Sn, ppm	Sr, ppm	Ti, %	V, ppm	Y, ppm	Yb, ppm	Zn, ppm	Zr, ppm
088410A	80.5	1.0	200	0.2	50	15	1.5	48	200
088410B	78.3	0.1 L	200	0.2	50	15	1.5	37	300
088420	79.1	0.1 L	200	0.2	50	15	1.5	35	300
089110	59.4	1.5	200	0.2	100	15	1.5	72	70
089120	71.0	1.5	200	0.2	50	20	1.5	47	100
089410	65.8	1.9	200	0.3	100	20	1.5	77	150
089420	62.4	0.7	200	0.3	150	30	3.0	75	200
090210	61.7	1.5	300	0.3	100	15	1.5	57	100
090220	71.1	1.8	200	0.2	100	20	3.0	63	200
090310	52.1	1.2	200	0.2	100	15	1.5	66	150
090320	69.5	2.4	200	0.2	100	15	1.5	73	100
091110	64.4	1.6	200	0.2	100	15	2.0	89	300
091120	73.9	0.3	200	0.3	70	20	2.0	133	150
091210A	65.3	0.6	300	0.2	100	20	2.0	134	200
091210B	66.6	0.5	200	0.2	70	15	1.5	122	200
091220	67.1	1.4	200	0.2	100	20	3.0	67	100
092311	62.9	4.6	500	0.3	100	30	3.0	163	200
092312	69.3	3.8	200	0.2	70	20	2.0	200	200
092320	68.9	4.0	200	0.3	100	30	3.0	91	200
092410	82.4	3.3	300	0.2	100	15	1.5	190	200
092420	55.3	1.7	200	0.2	150	20	2.0	95	100
093310	69.4	7.7	500	0.2	70	20	2.0	166	150
093320	65.9	1.9	300	0.2	70	30	3.0	65	300
093410	68.1	3.4	300	0.2	50	50	5.0	62	150
093420	66.2	3.3	300	0.3	70	50	5.0	85	300
094110A	68.7	1.9	300	0.2	100	20	2.0	66	100
094110B	60.3	2.9	500	0.3	100	30	3.0	59	300
094120	69.7	1.7	500	0.2	70	20	2.0	49	200
094410	62.1	2.0	500	0.2	70	20	3.0	50	200
094420	72.2	0.7	500	0.2	70	20	2.0	57	200
095110A	66.3	0.9	300	0.2	100	20	2.0	89	200
095110B	67.5	1.8	300	0.5	150	30	3.0	71	300
095120	73.7	3.9	500	0.3	100	30	3.0	77	300
095410	72.6	4.0	300	0.3	150	20	2.0	90	200
095421	72.5	0.5	300	0.2	100	20	3.0	70	200
095422	55.9	9.4	500	0.2	100	15	1.5	68	150
096110	66.5	4.6	500	0.3	100	30	3.0	84	300
096120	62.3	0.1 L	300	0.2	100	20	2.0	79	200
096310A	61.4	1.5	1000	0.2	150	30	5.0	89	150
096310B	63.5	1.6	700	0.2	100	30	3.0	83	200
096320	65.1	1.1	300	0.3	100	20	2.0	70	150
097110	63.6	11.5	100	0.2	70	15	1.5	88	70
097120A	63.5	0.5	300	0.3	100	30	5.0	104	150
097120B	59.2	2.1	300	0.3	150	50	5.0	104	150
097210	62.9	2.7	150	0.3	100	30	3.0	108	150
097220	72.1	0.7	200	0.2	100	20	2.0	73	150
098210	50.1	B	1000	0.7	300	30	3.0	132	150
098220	56.4	1.6	1000	0.5	200	30	3.0	140	200
098310	62.2	2.8	1000	0.5	150	20	2.0	290	150
098320A	64.2	7.9	700	0.3	100	20	3.0	185	200
098320B	57.6	5.7	700	0.3	150	20	2.0	184	150
099110	68.8	5.4	500	0.2	100	20	3.0	166	100
099120	56.6	3.3	500	0.2	70	30	5.0	143	150
099210	62.7	32.8	500	0.2	100	30	2.0	296	150
099220	56.8	5.3	500	0.3	100	20	3.0	1350	150
100210	67.7	1.2	500	0.2	70	30	3.0	378	150
100220	64.3	2.5	500	0.2	70	30	3.0	166	200
100310	66.1	13.1	700	0.2	70	70	15.0	485	500
100320	70.3	3.9	500	0.3	100	50	5.0	500	300
101210	54.6	1.3	500	0.3	70	70	10.0	69	300
101220A	67.3	12.4	500	0.2	50	20	2.0	375	200
101220B	71.3	10.5	500	0.2	50	20	2.0	410	200
101310	63.4	3.0	500	0.2	70	20	2.0	88	200
101320	63.6	5.3	300	0.3	100	30	3.0	235	300
102110	76.7	0.4	200	0.2	50	20	2.0	44	150

Field ID	SiO2, %	Sn, ppm	Sr, ppm	Ti, %	V, ppm	Y, ppm	Yb, ppm	Zn, ppm	Zr, ppm
102120	75.3	1.6	300	0.2	70	20	2.0	42	150
102410	62.8	0.3	200	0.1	20	15	1.0	20	100
102420	58.1	2.1	300	0.2	70	20	2.0	62	300
103310	71.5	3.7	500	0.3	100	20	3.0	70	300
103320	64.3	5.5	300	0.2	100	30	3.0	95	200
103410	63.3	0.5	200	0.2	30	15	1.5	30	100
103420A	66.5	0.5	300	0.2	100	30	3.0	77	200
103420B	68.3	0.4	300	0.5	100	50	5.0	76	300
104310	63.1	0.7	500	0.3	100	30	3.0	88	200
104320	67.1	1.4	300	0.3	100	30	5.0	76	200
104410A	57.6	0.2	200	0.2	70	30	3.0	80	300
104410B	61.8	1.4	300	0.3	100	50	3.0	79	300
104421	67.9	1.3	500	0.3	150	50	7.0	86	300
104422	69.3	0.6	200	0.3	150	50	5.0	77	300
105310	65.1	0.1 L	200	0.5	150	70	7.0	94	150
105320	62.3	2.3	200	0.5	150	30	5.0	100	200
105411	59.6	4.0	200	0.3	150	70	7.0	50	300
105412	61.2	3.5	200	0.3	150	50	5.0	75	300
105420	57.6	2.8	150	0.3	100	30	3.0	50	200
106110	67.2	1.2	300	0.3	150	30	5.0	97	200
106120	71.6	1.1	200	0.7	150	50	3.0	78	100
106410	65.4	1.4	300	0.3	150	20	3.0	89	150
106420	81.0	4.6	100	0.2	50	15	2.0	52	200
107110	55.5	0.6	1000	0.3	200	30	3.0	220	150
107120	54.3	0.6	1000	0.3	200	50	5.0	168	70
107410	54.7	0.1 L	1000	0.3	200	20	3.0	106	100
107420	55.8	1.1	700	0.3	150	30	3.0	103	150
108210	55.7	1.2	1500	0.5	200	20	3.0	112	150
108220	55.6	3.1	1500	0.5	200	20	3.0	170	100
108310	58.5	4.4	1000	0.3	200	30	3.0	158	150
108320	61.2	2.4	1500	0.5	200	20	3.0	333	100
109110	60.2	0.1 L	300	0.2	50	15	1.5	28	200
109120	81.9	0.8	200	0.2	30	15	1.5	45	150
109210	70.8	4.6	300	0.2	50	30	3.0	200	200
109220	64.4	3.9	500	0.2	70	30	3.0	63	200
110211	73.7	1.6	500	0.2	70	20	2.0	60	300
110212	68.0	1.1	200	0.2	50	15	1.5	46	200
110220	66.1	0.7	500	0.3	100	30	3.0	110	200
110410	75.7	1.8	200	0.1	30	20	1.5	21	150
110420	77.2	0.8	300	0.2	70	30	3.0	41	200
111110	74.5	4.5	500	0.3	100	50	7.0	69	300
111120A	64.7	2.8	700	0.3	150	50	7.0	74	300
111120B	58.4	0.1 L	500	0.3	100	30	3.0	83	300
111310	70.4	1.1	700	0.2	100	50	5.0	64	200
111320	57.7	0.8	1000	0.3	100	30	2.0	105	150
112110	69.6	1.0	200	0.2	30	15	1.5	38	300
112120	77.3	1.7	500	0.2	70	30	3.0	54	200
112210	68.9	0.1 L	300	0.2	30	20	2.0	31	150
112220	74.3	1.1	200	0.2	70	15	1.5	47	200
113110A	59.9	2.9	300	0.3	100	50	5.0	92	300
113110B	63.1	5.0	200	0.3	70	30	2.0	50	300
113120	65.6	2.7	200	0.2	100	30	5.0	88	200
113410	71.2	2.8	200	0.2	70	70	10.0	76	200
113420	46.6	6.8	300	0.2	70	30	3.0	70	200
114110	70.7	11.1	500	0.2	70	15	1.0	62	100
114120	71.9	4.3	100	0.2	30	100	10.0	160	300
114210	70.3	2.6	100	0.2	30	150	20.0	92	150
114220	66.2	1.0	150	0.2	30	70	7.0	71	150
115110	65.9	0.3	300	0.2	100	15	1.5	64	150
115120	65.6	2.1	150	0.2	100	20	2.0	65	150
115310	67.1	1.0	200	0.2	150	15	2.0	92	150
115320	64.4	0.6	500	0.2	200	20	1.5	86	100
116110	69.0	1.3	300	0.3	70	30	3.0	92	300
116120	69.4	3.7	300	0.5	50	100	15.0	47	500
116410	69.4	1.6	300	0.2	50	50	7.0	68	300

Field ID	SiO2, %	Sn, ppm	Sr, ppm	Ti, %	V, ppm	Y, ppm	Yb, ppm	Zn, ppm	Zr, ppm
116420	67.2	1.5	200	0.5	70	150	15.0	91	500
117110	60.1	6.8	1000	0.5	200	30	2.0	81	200
117120	64.3	1.7	500	0.3	150	30	3.0	97	150
117410A	59.1	2.2	500	0.3	150	30	5.0	81	150
117410B	59.3	2.9	700	0.3	150	50	7.0	86	200
117420	59.1	3.9	700	0.3	150	30	2.0	100	200
118110	61.2	0.3	200	0.1	50	30	3.0	22	200
118120	67.3	1.4	300	0.2	50	20	2.0	43	200
118410	66.8	5.1	200	0.2	30	50	7.0	28	200
118420	67.7	3.6	500	0.2	70	20	1.5	58	200
119110	71.3	2.1	700	0.3	100	30	3.0	162	500
119120	59.6	7.7	700	0.3	150	70	7.0	66	300
119410	69.0	5.4	300	0.2	10	30	2.0	57	200
119420	69.5	3.1	300	0.3	100	30	3.0	85	200
120210	71.0	2.2	500	0.3	100	50	5.0	74	300
120220	68.2	2.0	500	0.3	100	30	3.0	74	200
120410	72.9	4.3	200	0.2	50	20	2.0	43	150
120420	47.6	1.0	500	0.2	100	30	3.0	68	200
121110	67.7	1.4	200	0.5	100	30	2.0	76	200
121120	71.0	3.1	200	0.2	70	15	2.0	66	200
121210	66.0	1.7	200	0.2	50	50	5.0	120	200
121220A	56.6	3.3	500	0.3	100	30	3.0	100	150
121220B	62.8	3.3	500	0.3	100	20	2.0	105	200
122110	84.8	0.1 L	200	0.2	50	15	1.5	36	150
122120	62.3	1.0	200	0.2	150	30	3.0	79	100
122310A	80.6	1.3	50	0.1	20	10	1.0	57	150
122310B	80.3	5.3	50	0.1	20	10	1.0	44	70
122320	55.1	2.6	150	0.2	30	10	1.0	32	100
123310	76.2	1.3	150	0.2	20	20	2.0	31	300
123320	82.1	0.8	200	0.2	30	20	5.0	43	300
123410	84.2	1.3	150	0.2	20	20	3.0	37	500
123420	82.2	0.6	150	0.2	20	20	5.0	33	500
124110	66.0	1.4	700	0.3	200	50	5.0	88	200
124120	66.0	0.9	1000	0.5	200	30	3.0	106	200
124210	65.0	2.6	500	0.3	150	30	3.0	83	200
124220	60.8	1.6	700	0.3	150	30	2.0	82	150
125310	67.5	1.4	500	0.5	150	50	5.0	96	300
125320	68.1	0.2	500	0.3	100	30	3.0	71	200
125410	70.0	0.6	500	0.3	100	30	5.0	76	300
125420	69.8	0.1	300	0.3	70	70	7.0	64	300
126110	78.3	1.8	500	0.2	100	30	3.0	52	300
126120	73.2	2.2	300	0.2	70	15	1.5	47	300
126210	62.5	3.5	200	0.2	70	20	2.0	44	150
126220	80.1	0.4	200	0.2	30	50	5.0	42	150
127210	73.5	1.2	200	0.2	70	20	2.0	50	150
127220	67.5	2.0	500	0.3	100	30	5.0	58	200
127410	69.9	1.0	500	0.2	70	30	3.0	66	100
127420	63.2	1.4	300	0.2	100	30	3.0	68	200
128310	64.8	0.5	150	0.2	70	15	1.5	84	200
128320	61.0	0.3	300	0.3	100	20	2.0	86	100
128410	63.9	1.8	700	0.3	100	20	2.0	83	200
128420	58.8	1.0	1000	0.5	150	30	3.0	99	150
129110	60.4	2.9	300	0.3	70	50	3.0	67	150
129120	70.5	5.4	300	0.2	70	15	1.5	50	150
129410A	59.9	1.1	500	0.2	70	20	1.5	75	150
129410B	67.9	2.0	1000	0.2	70	15	1.5	78	150
129420	64.6	2.6	500	0.2	100	20	1.5	76	150
130110	70.9	5.3	300	0.3	100	30	3.0	73	300
130120A	75.3	1.8	200	0.2	70	30	5.0	53	200
130120B	68.3	2.5	200	0.2	70	70	7.0	57	300
130410	75.8	12.4	200	0.3	30	70	7.0	41	700
130420	66.4	1.9	300	0.2	70	20	2.0	74	300
131210	54.7	1.9	100	0.1	20	30	5.0	33	150
131220	61.4	2.3	200	0.2	50	50	5.0	57	300
131310	51.3	2.3	150	0.1	30	30	3.0	43	200

Field ID	SiO2, %	Sn, ppm	Sr, ppm	Ti, %	V, ppm	Y, ppm	Yb, ppm	Zn, ppm	Zr, ppm
131320	59.2	3.8	200	0.5	70	70	10.0	118	300
132210	69.1	1.3	300	0.5	100	100	10.0	90	500
132220	76.0	2.6	200	0.2	100	70	7.0	77	300
132410A	68.8	2.9	300	0.2	100	30	5.0	80	300
132410B	64.8	2.8	200	0.3	70	50	5.0	82	200
132420	61.8	0.8	500	0.3	100	50	3.0	62	300
133110	69.5	1.2	300	0.2	70	30	3.0	53	150
133120	71.5	0.7	200	0.2	30	15	2.0	31	150
133310	66.7	0.1 L	300	0.2	50	30	3.0	60	200
133320	75.6	1.9	200	0.2	50	70	5.0	56	200
134210	74.0	1.1	200	0.2	30	15	1.5	28	150
134220	80.2	0.1 L	200	0.2	50	30	3.0	42	200
134310	70.3	3.7	200	0.2	30	30	3.0	31	200
134320	57.7	4.2	500	0.2	70	50	3.0	82	200
135210A	58.5	0.9	150	0.2	30	150	15.0	172	300
135210B	65.0	5.4	300	0.2	70	15	1.5	164	150
135220	60.9	3.4	200	0.3	30	200	20.0	310	300
135410	67.3	3.5	200	0.2	15	100	15.0	120	700
135420	59.5	4.5	200	0.5	30	200	20.0	154	700
136110	66.3	3.1	200	0.3	150	20	1.5	107	200
136120	63.8	3.9	300	0.3	100	30	3.0	92	150
136410	58.4	0.4	300	0.2	150	20	2.0	102	150
136420	65.1	2.1	200	0.3	70	50	2.0	115	150
137310	65.2	4.1	200	0.2	150	30	3.0	96	200
137320	65.6	0.4	150	0.2	100	20	2.0	92	150
137410	79.5	3.3	150	0.2	20	30	7.0	23	1500
137420	75.6	3.9	200	0.2	70	70	7.0	60	300
138210A	73.8	1.9	200	0.2	50	50	3.0	47	200
138210B	69.4	1.5	300	0.2	70	100	10.0	48	300
138220	67.5	3.4	200	0.2	50	50	5.0	47	300
138410	59.4	2.8	150	0.2	70	50	5.0	48	300
138420	60.7	2.1	200	0.3	70	50	3.0	47	700
139210	72.7	1.1	300	0.2	50	70	7.0	54	200
139220A	62.4	0.8	200	0.3	70	50	5.0	73	300
139220B	71.1	2.3	300	0.3	70	70	7.0	67	300
139410	70.5	3.7	200	0.5	50	70	7.0	67	300
139420	64.4	2.3	300	0.3	100	70	7.0	87	200
140110	76.5	0.1 L	200	0.2	70	30	5.0	52	150
140120	70.9	0.6	150	0.1	20	15	1.5	25	100
140310	77.5	0.4	200	0.1	20	15	1.5	23	150
140320	70.4	0.1 L	150	0.1	20	30	3.0	25	300
141210	65.7	1.9	200	0.2	70	50	5.0	61	100
141220	76.7	2.9	200	0.2	50	20	2.0	36	200
141410	67.8	2.5	300	0.3	100	70	7.0	57	200
141420A	63.6	1.5	500	0.3	100	50	5.0	78	300
141420B	64.0	2.7	300	0.3	100	30	3.0	90	300
142310	76.9	2.3	150	0.2	30	50	7.0	44	200
142320	78.0	3.0	150	0.3	30	50	5.0	58	500
142410	56.4	2.6	200	0.5	200	50	5.0	103	300
142420A	82.8	2.2	70	0.2	10	20	3.0	27	300
142420B	76.2	6.6	100	0.2	15	50	7.0	29	300
143210	71.8	1.4	200	0.2	50	50	5.0	46	300
143220	61.5	3.7	200	0.3	70	50	7.0	69	300
143310	64.1	0.2	150	0.2	15	30	3.0	40	200
143320	72.3	1.7	150	0.2	30	20	2.0	50	150
144310	63.3	5.0	200	0.2	50	50	5.0	59	300
144320	66.1	1.8	500	0.3	70	50	5.0	77	200
144410	63.0	2.2	500	0.3	70	30	5.0	57	300
144420	71.6	1.3	200	0.2	70	30	3.0	55	300
145210	65.6	0.4	500	0.2	50	20	2.0	70	150
145220	73.4	0.1	1000	0.2	50	20	2.0	28	200
145410	61.1	2.0	300	0.2	70	30	5.0	67	300
145420	61.1	0.1 L	300	0.2	70	20	1.5	68	150
146110	76.3	7.5	100	0.2	10	20	3.0	39	300
146120	74.8	2.0	200	0.2	20	50	5.0	43	300

Field ID	SiO2, %	Sn, ppm	Sr, ppm	Ti, %	V, ppm	Y, ppm	Yb, ppm	Zn, ppm	Zr, ppm
146210	74.4	2.1	150	0.2	50	30	5.0	80	200
146220	72.2	2.1	70	0.2	10	20	5.0	31	300
147110	75.7	1.5	200	0.2	70	70	7.0	56	300
147120	74.8	5.2	150	0.2	30	70	5.0	50	300
147410	78.9	2.6	150	0.3	70	70	7.0	71	500
147420	70.3	1.0	200	0.3	50	70	7.0	47	200
148110	76.8	1.5	200	0.2	50	50	7.0	47	500
148120	58.4	2.4	200	0.2	30	30	5.0	51	700
148210	68.6	8.4	200	0.2	50	50	7.0	51	200
148220	64.6	1.6	200	0.3	50	50	7.0	55	700
149110A	68.9	1.3	500	0.2	70	30	5.0	75	150
149110B	66.3	2.8	500	0.3	70	30	3.0	77	150
149120	68.5	0.4	500	0.2	70	70	7.0	47	300
149310	65.1	0.6	300	0.2	70	30	5.0	38	300
149320	67.6	0.5	300	0.2	70	30	2.0	71	200
150210	79.5	2.9	100	0.1	15	20	2.0	38	150
150220A	65.6	3.9	300	0.3	30	70	7.0	98	200
150220B	60.5	1.5	300	0.3	30	70	7.0	100	300
150310	68.0	0.7	200	0.2	30	50	7.0	120	300
150320	56.3	3.5	300	0.5	30	70	15.0	172	500
151110	74.9	1.2	150	0.1	15	30	3.0	21	200
151120	71.6	0.5	500	0.2	70	150	20.0	47	150
151310	64.5	1.8	300	0.3	70	50	7.0	90	300
151320	73.6	0.7	150	0.3	15	50	5.0	47	700
152310	57.7	0.5	150	0.2	20	50	7.0	38	500
152320	70.7	2.9	300	0.3	50	70	10.0	54	700
152410A	76.3	1.7	200	0.2	20	30	5.0	37	300
152410B	69.3	1.4	200	0.2	30	70	10.0	34	500
152420	71.6	4.2	150	0.1	7	20	3.0	18	150
153110	73.3	0.7	300	0.3	50	70	7.0	37	300
153120	71.0	0.6	300	0.2	70	20	3.0	58	150
153310	63.8	3.1	150	0.1	10	20	3.0	24	150
153320	70.1	1.9	200	0.1	20	30	3.0	24	300
154110	60.1	3.4	500	0.5	70	100	15.0	160	500
154120	63.7	4.0	150	0.2	30	150	15.0	77	300
154410	57.5	2.0	200	0.3	30	150	15.0	174	500
154420	69.2	5.3	200	0.3	50	70	10.0	91	700
155310	74.3	2.5	150	0.2	15	50	5.0	32	300
155320	62.9	1.9	200	0.3	20	30	5.0	26	500
155410	63.8	9.5	150	0.2	20	30	5.0	34	300
155420	68.9	2.6	200	0.2	30	50	5.0	63	500
156111	63.8	2.1	200	0.2	20	70	15.0	27	1000
156112	72.0	1.2	150	0.2	20	30	5.0	30	700
156120	72.8	1.9	150	0.2	20	50	10.0	27	1000
156210	73.3	1.2	150	0.2	20	30	5.0	34	700
156220	61.8	2.1	150	0.2	5	20	2.0	28	300
157110	78.1	2.5	200	0.7	50	50	5.0	52	200
157120	68.7	3.4	200	0.5	70	50	7.0	65	700
157410A	69.5	1.1	300	0.3	70	30	5.0	55	500
157410B	68.1	1.6	300	0.2	70	30	5.0	67	500
157420	67.0	1.2	300	0.2	70	30	3.0	58	200
158110	71.3	2.9	100	0.2	20	20	5.0	24	700
158120	73.9	1.4	150	0.2	30	30	3.0	34	500
158310A	79.1	0.7	150	0.2	20	20	2.0	24	150
158310B	74.1	0.3	200	0.1	10	15	2.0	28	300
158320	76.6	3.1	100	0.2	10	30	7.0	26	200
159210	73.3	1.8	150	0.2	20	70	7.0	29	300
159220	79.0	0.9	150	0.1	7	30	5.0	39	200
159411	64.4	2.8	150	0.2	10	30	7.0	50	300
159412	72.6	0.1 L	200	0.2	10	50	7.0	52	300
159420A	79.6	3.1	200	0.2	50	70	10.0	74	700
159420B	65.3	4.0	150	0.3	50	150	15.0	77	1000
160110	72.9	2.7	200	0.2	50	50	7.0	39	300
160120	79.0	4.2	150	0.2	20	70	7.0	56	300
160310A	72.6	2.0	200	0.2	20	70	7.0	45	500

Field ID	SiO2, %	Sn, ppm	Sr, ppm	Ti, %	V, ppm	Y, ppm	Yb, ppm	Zn, ppm	Zr, ppm
160310B	77.3	4.5	200	0.2	15	30	5.0	44	200
160320	67.8	2.9	200	0.2	50	70	7.0	53	500
161110	73.0	6.9	300	0.2	30	100	15.0	42	1000
161120	81.7	3.0	100	0.1	5	20	2.0	21	200
161310A	78.1	21.8	100	0.2	20	70	10.0	24	700
161310B	73.0	29.5	100	0.2	20	30	5.0	24	300
161320	78.3	0.8	150	0.1	15	50	7.0	26	200
162210	77.7	1.3	100	0.1	15	20	2.0	46	200
162220	56.6	3.0	100	0.2	7	20	2.0	28	300
162310	75.6	2.7	100	0.2	10	70	10.0	24	500
162320	78.3	4.5	150	0.1	20	20	3.0	24	200
163110A	71.5	0.1 L	200	0.2	30	70	7.0	49	300
163110B	71.8	3.2	200	0.2	30	70	7.0	57	300
163121	71.9	0.8	150	0.2	20	70	7.0	43	150
163122	68.8	2.9	150	0.2	50	70	7.0	53	200
163210	74.7	11.0	150	0.2	7	70	7.0	51	300
163220	72.5	3.7	100	0.2	10	100	20.0	26	700
164110	25.0	1.9	300	0.1	30	10	1.0	25	50
164120	94.0	1.0	20	0.1	50	50	5.0	12	100
164310	62.4	4.9	150	0.2	150	50	5.0	78	300
164320	64.8	1.5	200	0.2	200	50	5.0	128	200
165110	66.5	3.0	500	0.2	100	20	5.0	50	300
165120	54.7	3.0	200	0.3	150	15	1.5	88	150
165410	57.5	0.7	1500	0.5	200	20	2.0	102	150
165420	58.5	2.5	1500	0.5	200	70	7.0	102	150
166310	63.5	2.6	500	0.2	30	70	7.0	63	500
166320	52.4	4.2	200	0.2	30	70	10.0	34	300
166410	68.3	0.9	500	0.3	50	20	2.0	51	200
166420A	78.0	1.4	150	0.1	20	20	3.0	22	300
166420B	66.8	1.2	100	0.1	15	30	3.0	21	150
167110	75.2	3.1	200	0.2	70	50	5.0	134	200
167120	67.4	7.5	200	0.2	70	50	7.0	194	500
167210	60.0	4.1	200	0.2	70	20	3.0	184	300
167220	61.7	5.1	200	0.2	100	50	5.0	83	300
168110A	61.0	2.1	500	0.2	30	20	2.0	35	200
168110B	57.6	3.0	300	0.2	50	15	2.0	36	500
168120	85.7	1.6	100	0.2	50	20	2.0	34	200
168310	72.1	0.2	150	0.2	50	15	1.5	47	200
168320	60.5	1.9	300	0.3	150	20	1.5	82	100
169210	77.2	0.5	500	0.2	50	30	3.0	38	300
169220	70.9	0.1 L	500	0.2	70	50	5.0	46	200
169410	72.6	1.9	500	0.3	100	150	15.0	53	300
169420	75.2	0.8	300	0.3	70	30	3.0	50	300
170310	58.3	2.0	700	0.5	150	30	5.0	148	200
170320	42.4	2.6	1000	1.0	70	50	5.0	180	200
170410	60.5	0.3	500	0.3	150	70	7.0	88	700
170420	66.3	1.9	700	0.3	100	50	5.0	72	500
171210	78.7	1.6	300	0.2	50	20	3.0	45	500
171220	80.1	1.7	200	0.2	50	15	2.0	41	200
171410	74.1	1.4	200	0.1	30	20	2.0	39	300
171420	74.7	2.0	300	0.2	70	30	5.0	77	300
172110	51.1	1.0	1000	0.2	70	15	1.5	48	150
172120	66.4	1.2	1500	0.5	150	30	5.0	70	300
172211	61.8	2.2	300	0.2	70	15	1.5	36	150
172212	80.7	1.1	300	0.2	50	20	2.0	38	300
172220	67.4	1.3	500	0.2	50	30	5.0	31	300
173210	65.6	1.8	500	0.3	100	15	1.5	82	200
173220	65.7	2.2	300	0.5	100	50	5.0	130	500
173410	70.3	16.3	200	0.3	100	30	5.0	71	300
173420	63.6	0.3	500	0.5	100	50	5.0	77	300
174310	68.3	1.8	300	0.3	150	30	3.0	95	300
174320	73.1	0.3	500	0.2	70	20	3.0	61	300
174410	58.4	2.3	300	0.2	100	30	5.0	71	300
174420	68.9	0.3	300	0.3	100	70	7.0	82	300
175110	69.9	0.7	200	0.2	100	30	7.0	52	200

Field ID	SiO2, %	Sn, ppm	Sr, ppm	Ti, %	V, ppm	Y, ppm	Yb, ppm	Zn, ppm	Zr, ppm
175120	75.4	2.0	500	0.3	70	20	3.0	72	300
175410	69.1	2.3	500	0.3	100	50	7.0	83	300
175420	68.8	2.2	500	0.3	100	20	5.0	64	700
176110	58.1	2.1	500	0.3	70	70	10.0	52	200
176120	50.0	0.8	300	0.3	70	30	3.0	58	150
176210A	74.9	1.2	200	0.2	50	70	7.0	45	200
176210B	64.1	0.9	200	0.2	70	15	2.0	50	100
176220	71.8	2.5	500	0.3	100	20	2.0	62	150
177110	69.1	1.0	200	0.2	100	20	2.0	90	200
177120	67.7	1.7	200	0.2	100	15	1.5	77	200
177410	62.7	3.4	300	0.2	200	15	1.5	117	50
177420	52.0	1.5	500	0.2	300	20	2.0	171	70
178210	68.9	3.6	300	0.2	100	50	5.0	88	300
178220	72.6	3.6	500	0.3	100	30	3.0	75	300
178410	65.9	2.1	300	0.2	150	20	3.0	106	200
178420A	60.1	0.9	300	0.2	150	20	1.5	110	150
178420B	64.5	0.1 L	500	0.3	150	20	3.0	107	200
179110	66.4	0.5	500	0.2	70	15	1.5	61	150
179120	65.6	4.5	700	0.2	70	15	1.5	53	150
179410	67.4	1.3	300	0.2	100	30	3.0	61	150
179420	56.5	2.3	300	0.2	150	20	2.0	93	70
180110	77.9	1.3	200	0.2	70	20	2.0	53	300
180120	63.5	1.2	200	0.2	70	50	5.0	74	150
180210	67.2	1.0	200	0.2	70	15	2.0	52	100
180220	77.9	0.2	200	0.2	70	15	1.5	53	200
181310	55.2	0.2	150	0.2	100	20	2.0	58	150
181320	67.7	2.3	200	0.2	100	15	2.0	57	150
181410	75.6	1.7	100	0.2	70	15	1.5	41	150
181420	76.4	2.0	100	0.2	70	30	3.0	46	300
182210	79.0	1.4	200	0.2	50	15	1.5	40	300
182220	58.0	2.1	200	0.1	30	15	1.5	32	150
182310	74.7	0.7	500	0.2	70	20	2.0	29	150
182320	68.1	1.1	200	0.1	30	15	1.0	35	150
183110	54.4	1.0	1000	0.2	70	15	1.5	65	70
183120	69.9	8.2	500	0.2	70	20	1.5	60	100
183310	66.0	1.9	200	0.2	100	30	2.0	465	200
183320	59.4	0.6	700	0.2	100	20	2.0	90	150
184210	70.8	3.7	200	0.2	100	50	5.0	64	200
184220	72.5	1.0	200	0.2	100	15	1.5	73	200
184410	66.0	0.9	500	0.3	150	20	3.0	80	150
184420	69.5	1.6	300	0.3	100	20	2.0	62	150
185310	72.0	1.4	500	0.2	100	20	2.0	72	200
185320	77.2	1.2	500	0.2	70	20	3.0	60	200
185410	61.3	3.2	500	0.3	150	50	5.0	85	200
185420	62.5	1.2	700	0.3	100	20	2.0	88	150
186110	70.2	3.3	200	0.2	70	15	2.0	57	150
186120	81.3	1.2	200	0.2	70	15	1.5	44	150
186310	64.7	1.1	200	0.2	70	30	3.0	80	200
186320	63.8	0.9	200	0.2	70	20	2.0	38	150
187210	61.1	0.1 L	100	0.1	5	15	1.5	17	200
187220	55.3	2.7	100	0.2	10	30	5.0	27	300
187410	79.6	2.5	100	0.1	20	100	10.0	26	300
187420	77.0	2.2	100	0.1	10	50	7.0	18	500
188310	69.2	1.5	300	0.5	100	30	7.0	65	300
188320	70.4	1.0	150	0.2	70	20	2.0	59	150
188410	68.6	3.5	500	0.3	100	50	7.0	51	200
188420	67.2	1.0	500	0.5	200	50	3.0	64	300
189110	66.1	23.2	500	0.3	100	20	3.0	151	200
189120	63.4	12.3	300	0.2	70	20	2.0	585	100
189210	68.5	5.9	500	0.3	100	30	3.0	200	300
189220	71.7	5.5	300	0.2	70	20	2.0	234	150
190110	63.6	5.3	300	0.2	70	20	2.0	100	300
190120	62.7	2.8	500	0.2	100	30	3.0	87	200
190410	63.1	4.6	300	0.2	100	30	2.0	130	150
190420	59.7	0.6	500	0.2	70	20	2.0	124	150