DEPARTMENT OF THE INTERIOR

U.S. GEOLOGICAL SURVEY

Analyses and descriptions of geochemical samples, northeastern part of the Dahlonega gold belt and vicinity, northeastern Georgia

by

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U.S. Geological Survey

Open-File Report 91-362

This report is preliminary and has not been reviewed for conformity with U.S. Geological Survey editorial standards.

1. Reston, Va.
2. Denver, Colo.

1991

Contents

Abstract

Semiquantitative spectrographic analyses for 30 elements, atomic absorption analyses for gold, copper, lead, and zinc, colorimetric analyses for arsenic and molybdenum, and instrumental analyses for mercury on all or part of a sample suite of 879 rock and saprolite samples are reported here in detail. In addition, Energy Dispersive X-ray Fluorescence analyses for a selected suite of 14 trace elements made on 146 of the samples are also reported.

Most of the samples are saprolite derived from mica schist and gneiss, amphibolite, and quartzite, or vein quartz in saprolite. Samples of vein quartz generally contain some enclosing country rock. Samples are from roadcuts, surface and underground mine workings, and mine dumps. Locations are given by quadrangle and latitude and longitude. Sixty-seven percent of the samples from old mine areas and 24 percent from roadcuts contain gold at a limit of determination of 0.02 parts per million (ppm). Half of the mine samples and three-fourths of the roadcut samples that contain detectable gold have less than 0.2 ppm.

Introduction

The analyses presented in this report are of 879 samples of rock and saprolite from the northeastern part of the Dahlonega gold belt and vicinity in northeastern Georgia (fig. 1 and table 1). The samples were collected by Lesure in October-November, 1966, March-April and October-November, 1967, and April, 1968, in a reconnaissance study as part of the U.S. Geological Survey (USGS) Heavy Metals Program. Some preliminary results were reported earlier (U.S. Geological Survey, 1968, p. 8; Kinkel and Lesure, 1968; Lesure, 1969a; 1969b; Lesure, 1971).

The samples are described briefly in a separate section of this report. Most of the samples are chip composites taken across bedding or layering over a measured thickness of representative material from roadcuts or mine workings. A few are composite samples of rock from mine dumps. The samples are representative of the major rock types, mica gneiss and schist, quartzite, amphibolite, and vein quartz, exposed in the area sampled. Samples of vein quartz generally include some enclosing country rock.

[1] Reston, Va.
[2] USGS, Denver, Colo.
[3] Listed in section on analytical techniques.

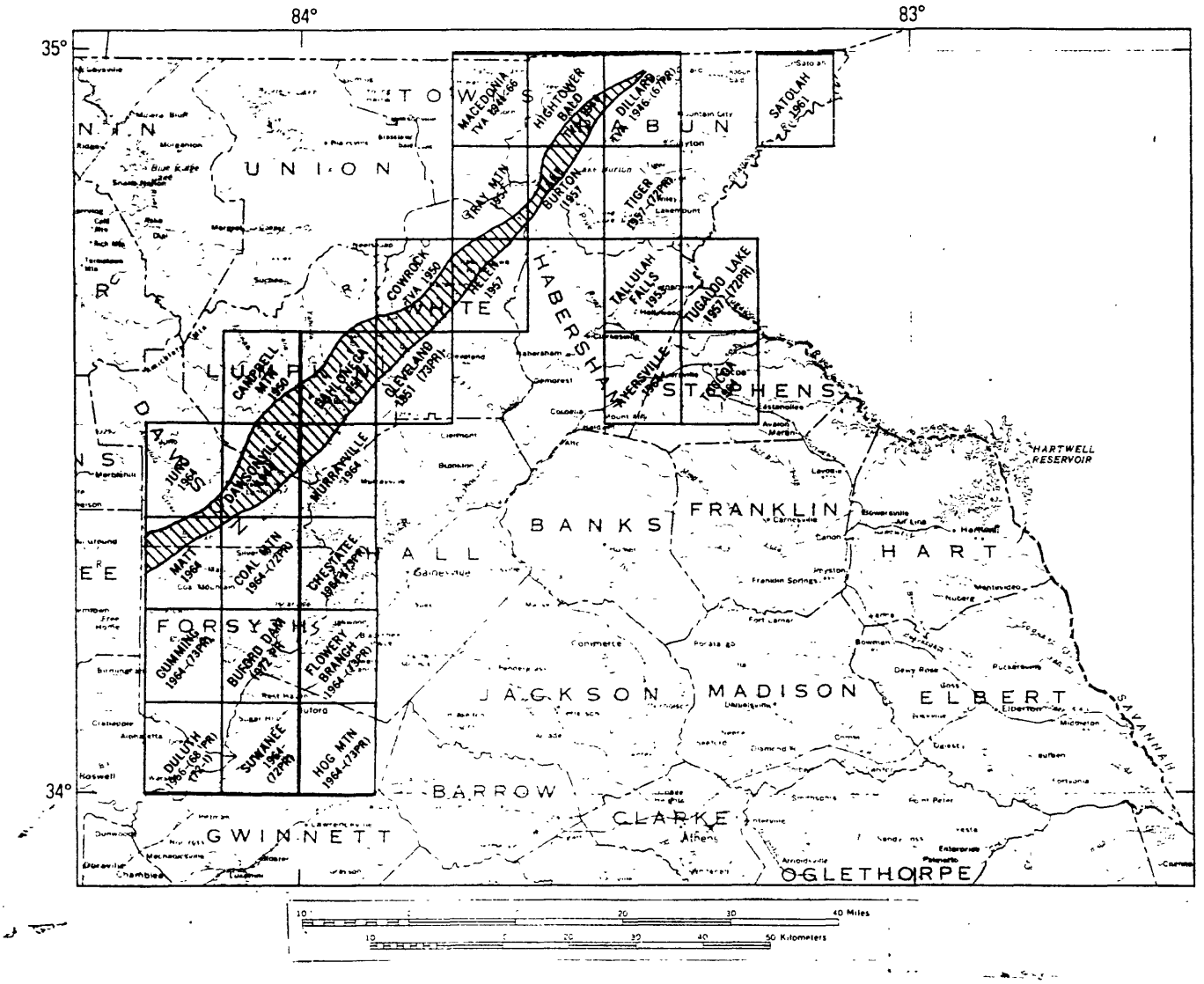

Figure 1.-- Index map showing outline of the northeastern part of the Dahlonega gold belt and the location of quadrangles in which samples were collected. Quadrangles and identification codes for sample numbers are listed in table 1. The gold belt includes most but not all of the Helen thrust sheet of Nelson and others, 1989.

Most of the samples are of weathered rock or saprolite. The freshest samples are generally from underground mine workings or mine dumps. Maps showing sample localities for the main part of the Dahlonega belt and discussion of the results of the analytical work are given by Lesure (in press).

Table 1.-- List of quadrangles and some of the mines within the quadrangle from which samples were collected (See also fig. 1).

Quadrangle	ID[1]	No.[2]	Quadrangle	ID[1]	No.[2]
Ayersville	AY	8	Dillard	DIL	6
Buford Dam	BD	9	Duluth	DU	16
Campbell Mountain	CM	26	Flowery Branch	FB	2
Chestatee	CE	2	Helen	H	88
Cleveland	CL	35	Hightower Bald	HB	9
Coal Mountain	CMT	14	Hog Mountain	HM	8
Cowrock	C	24	Juno	J	2
Cumming	CU	16	Lake Burton	BL	26
Dahlonega	D	92	Macedonia	OS	2
Bast Cut	DB	7	Matt	MAT	16
Crown Mountain Mine	DCM	11	Murrayville	M	44
Crown Mountain	DCMT	15	Calhoun Mine	MC	54
Findley Cut	DF	39	Turkey Hill	MT	6
Fish Trap Mine	DFT	4	Notteley Dam[1]	R	1
Hand Mine	DH	14	Satolah	SA	4
Ivey Cut	DI	7	Suwanee	SU	3
Lockhart	DL	9	Tallulah Falls	TF	7
Preacher Cut	DP	14	Tiger	TI	5
Singleton Cut	DS	3	Toccoa	TO	6
Dawsonville	DA	192	Tray Mountain	TM	6
Barlow Cut	DAB	22	Tugaloo Lake	TU	5
			Total number of samples		879

[1] Quadrangle and quadrangle-mine identification code used in sample number.
[2] Number of samples.

Analytical techniques

Rock and saprolite samples were crushed to approximately 0.25-in. (6-mm) particle size and were pulverized to minus 140-mesh (0.004 in. or 0.105 mm) in a vertical grinder having ceramic plates. Most of the samples were analysed semiquantitatively for 30 elements by means of a six-step, D.C. (direct-current) arc, optical emission spectrographic method (Grimes and Marranzino, 1968) in USGS laboratories, Denver, Colo.(Table 2). One set of 313 samples was also analysed in USGS laboratories, Washington, D.C. and these results are also included (Table 2). The analysts and number of samples worked on by each are as follows: K. J. Curry (99 samples), J. L. Finley (414 samples), D. J. Grimes (11 samples), H. T. Hopkins (10 samples), E. E. Martinez (112 samples), J. M. Motooka (95 samples), H. G .Neiman (82 samples), G. W. Sears (51 samples) and K. C. Watts (428 samples). The semiquantitative spectrographic values are reported as six steps per order of magnitude (1, 0.7, 0.5, 0.3, 0.2, 0.15, or multiples of ten of these numbers) and are approximate midpoints of geometric brackets whose boundaries are 1.2, 0.83, 0.56, 0.38, 0.26, 0.18, 0.12, etc. The expected precision is within one adjoining reporting interval on each side of the reported value 83 percent of the time and within two adjoining intervals 96 percent of the time (Motooka and Grimes, 1976).

The visual lower limits of determination for the 30 elements that were determined spectrographically are as follows:

For those given in percent:

Calcium	0.05	Magnesium	0.02
Iron	0.05	Titanium	0.002

For those given in parts per million (ppm):

Antimony	100	Copper	5	Silver	0.5
Arsenic	200	Gold	10	Strontium	100
Barium	10/20	Lantanum	20	Tin	10
Beryllium	1	Lead	10	Tungsten	50
Bismuth	10	Manganese	10	Vanadium	10
Boron	10	Molybdenum	5	Yttrium	10
Cadmium	20	Nickel	5	Zinc	200
Chromium	5	Niobium	10	Zirconium	10
Cobalt	5	Scandium	5		

Nearly half of the samples were analysed twice for gold using similar methods but different detection limits. P. J. Aruscavage, F. W. Brown, and C. L. Burton analysed a set of 390 samples for gold in the USGS laboratories, Washington, D.C., using a combined fire assay - atomic absorption technique. The same sample set was analysed in the USGS laboratories, Denver, Colo., by W. L. Campbell, R. L. Miller, M. S. Rickard, T. A. Roemer, and T. M. Stein using an atomic absorption technique described by Thompson and others, 1968. They also analysed an additional 290 samples for gold, including 135 done originally in a mobile laboratory by G. W. Dounay and T. G. Ging, Jr. The remaining samples were analysed for gold by atomic absorption methods by G. L. Chlumsky (12 samples), Luther Dickson and M. S. Rickard (14 samples), F. G. Frisken (9 samples), S. I. Hoffman (24 samples), E. E. Martinez (38 samples), A. L. Otsuka (51 samples), and M. S. Rickard (56 samples).

The samples were analysed for copper, lead, and zinc by atomic absorption techniques (Ward and others, 1969) by R. L. Miller (390 samples), M. S. Richard, E. E. Martinez, G. W. Dounay, and T. G. Ging, Jr. (135 samples), S. L. Noble and Luther Dickson (38 samples), Luther Dickson (77 samples), Z. C. Stephenson (56 samples), and J. R. Hassemer (19 samples). W. W. Janes (38 samples) and S. L. Noble (89 samples) analysed for mercury using instrumental methods. Some of the samples were also analysed for arsenic by colorimetric methods in the USGS laboratories, Denver, Colorado, by J. G. Viets and B. A. Russell (390 samples), J. G. Frisken, S. G. Meyers, and E. K. Ragsdale (51 samples), A. L. Meier and C. O. Hershey (38 samples), S. G. Meyers (24 samples), C. O. Hershey (12 samples) and Z. C. Stephenson (2 samples). A few of the samples were also analysed for molybdenum by thiocyanate or colorimetric methods by H. D. King (65 samples) and J. R. Hassemer (10 samples). About 155 samples were analysed for copper, lead, zinc, arsenic and molybdenum by Skyline Labs, Inc., Wheat Ridge, Colo., under contract to the Geological Survey. J.C. Jackson analysed a set of 146 samples of mostly mica schist saprolite for 14 trace elements by Energy Dispersive X-Ray Fluorescence methods (XRF) in USGS laboratories, Reston, Va. (Table 3). C. E. Edwards formatted the analytical data by computer methods for tables 2 and 3.

Sample descriptions

Ayersville quadrangle

AY1 0.3 m chip sample, saprolite, light-gray, derived from quartz-feldspar-biotite gneiss.

AY2 0.15 m chip sample, quartz-feldspar-biotite gneiss, light-gray, fine-grained, trace of muscovite, garnet, and iron-sulfide.

AY3 0.3 m chip sample, saprolite, pale- to moderate-yellowish brown, derived from quartz-feldspar-mica gneiss, fine-grained; two quartz veins 1 cm thick, iron-stained.

AY4 0.6 m chip sample, saprolite, pale-yellowish-brown, derived from quartz-feldspar-mica schist, trace garnet.

AY5 1 m chip sample, saprolite, very-pale-orange, sandy, derived from feldspathic quartzite, minor mica.

AY6 1 m chip sample, saprolite, very-pale-orange to pinkish-gray, derived from feldspathic quartzite, fine- to medium-grained.

AY7 1 m chip sample, saprolite, yellowish-brown, derived from hornblende schist (?).

AY8 0.6 m chip sample, saprolite, light-brown, derived from muscovite-quartz-feldspar schist, medium- to coarse-grained.

Buford Dam quadrangle

BD1 0.6 m chip sample, saprolite, light-brown, derived from quartz-feldspar-mica gneiss, medium- to coarse-grained.

BD2 1 m chip sample, saprolite, olive-gray to moderate-yellowish-brown, derived from feldspar-quartz-mica gneiss and schist, fine- to medium-grained.

BD3 1 m chip sample, saprolite, brown, soft, derived from mica schist.

BD4 0.3 m chip sample, quartzite, base of unit.

BD5 0.3 m chip sample, mica-sillimanite(?)-garnet schist, reddish-brown, weathered, 0.6 m below sample BD4.

BD6 0.6 m chip sample, quartzite, friable, weathered, iron-stained.

BD7 1 m chip sample, saprolite, reddish-purple, derived from sillimanite-mica-graphite schist, above and below sample BD6.

BD8 1 m chip sample, saprolite, reddish-purple, derived from sillimanite-mica-graphite schist.

BD9 0.3 m chip sample, quartzite, white to yellow, weathered, friable, base of unit.

Campbell Mountain quadrangle

CM01 0.3 m chip sample, saprolite, fine-grained, derived from mica schist.

CM02 0.3 m chip sample, saprolite, derived from mica-garnet schist, contains zone rich in thin quartz stringers.

CM03 1 m chip sample, saprolite, derived from mica-garnet schist. Garnets 0.5-1 cm.

CM04 1 m chip sample, hornblende schist, minor vein quartz and iron sulfides.

CM06 1 m chip sample, hornblende schist, contains iron sulfide.

CM13 1 m chip sample, muscovite schist, very fine-grained.

CM14 1 m chip sample, muscovite-quartz schist and quartz, weathered, granular; minor magnetite(?).

CM17 1 m chip sample, quartz-muscovite schist, very fine-grained, weathered, granular.

CM18 Composite sample of granular quartz.

CM22 1 m chip sample, mica schist and thin quartz veins.

CM44 1 m chip sample, saprolite, medium-grained, derived from feldspar-quartz-mica gneiss or granitic gneiss.

Campbell Mountain quadrangle - northeastern cut of Barlow mine

CM46 1 m chip sample, mica schist, weathered, minor quartz stringers and limonite coatings.

CM47 1 m chip sample, mica schist, two quartz veins, 2-5 cm thick, weathered.

CM48 1 m chip sample, saprolite, light-brown, clayey, derived from hornblende schist; minor quartz veins.

Campbell Mountain quadrangle - Boston cut

CM53 Composite sample, two quartz veins, 2-4 cm thick.

CM54 0.6 m chip sample, mica schist, country rock from area of sample CM53.

CM55 1 m chip sample, saprolite, gray; derived from interlayered mica gneiss and schist.

Campbell Mountain quadrangle

CM60 0.6 m chip sample, saprolite, light-brown, derived from interlayered mica schist and quartz-mica gneiss, minor quartz lenses.

CM61 1 m chip sample, saprolite, pale-red to reddish-purple, very fine-grained, derived from quartz-mica schist.

CM62 Composite sample, quartz vein, 1-10 cm thick, concordant with foliation of country rock.

CM63 1 m chip sample, saprolite, tan to grayish-orange, fine- to medium-grained, derived from feldspar-mica-quartz-garnet schist.

CM64 0.6 m chip sample, saprolite, olive-drab to moderate-yellowish brown, medium-grained, derived from muscovite schist.

CM65 1 m chip sample, saprolite, light-brown; derived from mica-garnet schist containing layers and boudin of mafic schist or amphibolite.

CM66 Composite sample, four quartz veins, 2-5 cm thick, concordant with foliation in mica schist.

CM67 1 m chip sample, saprolite, pale-red, derived from mica-garnet schist, fine-grained.

CM68 Composite sample, four quartz veins, 1-15 cm thick.

Chestatee quadrangle

CE1 1 m chip sample, saprolite, yellow, sandy, derived from coarse-grained quartzite.

CE2 1 m chip sample, saprolite, reddish-brown, sandy, derived from quartzite.

Cleveland quadrangle

CL01 1 m chip sample, quartzite, greenish-gray to black, thin layered, weathered.

CL02 1 m chip sample, muscovite schist, fine- to medium-grained, weathered, interlayered with quartzite of CL1.

CL05 1 m chip sample, saprolite, variegated, derived from mica schist and minor small quartz veins.

CL09 1 m chip sample, saprolite, greenish-gray, sandy, derived from quartz-feldspar(?)-biotite gneiss, very fine-grained.

CL12 1 m chip sample, saprolite, light- to medium-gray, derived from migmatitic mica schist. Sample mostly migmatitic layers.

CL14 1 m chip sample, saprolite, reddish-brown, clayey, minor quartz stringers.

CL15 1 m chip sample, saprolite, reddish-brown, derived from mica schist and minor quartz veins 0.5-5 cm thick.

CL16 1 m chip sample, saprolite, derived from muscovite-biotite schist and some quartz-feldspar gneiss layers, migmatitic.

CL17 1 m chip sample, feldspar-quartz-mica gneiss, granitic gneiss, sheared, weathered, minor epidote.

CL18 0.5 m chip sample, saprolite, derived from quartz-feldspar-mica gneiss and schist.

CL19 1 m chip sample, quartz-epidote-hornblende(?) granulite, partly weathered, fine-grained, minor garnet, 1-2 mm.

CL20 1 m chip sample, saprolite, reddish-brown to tan, derived from quartz-feldspar-mica gneiss.

CL22 1 m chip sample amphibolite, dark gray, very fine-grained, mostly hornblende and feldspar, at least one 1-cm-thick quartz vein containing iron sulfides.

CL23 1 m chip sample, quartz-biotite-muscovite-feldspar(?) gneiss, medium-gray, fine-grained, minor quartz seams 1-4 mm thick, weathers to gray, sandy saprolite.

CL24 1 m chip sample, saprolite, thin layered, derived from interlayered medium-grained mica schist and fine-grained hornblende schist(?).

CL25 1 m chip sample, saprolite, yellowish-green to tan, very fine-grained, derived from quartz-feldspar-mica gneiss interlayered with muscovite schist and minor quartz veins, 0.5-2 cm thick.

CL26 1 m chip sample, muscovite schist, weathered.

CL27 1 m chip sample, quartz-feldspar-mica gneiss, light-gray, very fine-grained.

CL28 1 m chip sample, muscovite-biotite-quartz schist, minor quartz veins and iron sulfides.

CL29 Composite of several quartz-calcite veins from sample CL28.

CL33 1 m chip sample, saprolite, derived from biotite-muscovite schist, coarse-grained.

CL34 1 m chip sample, saprolite, grayish-tan, derived from muscovite-biotite schist.

CL35 1 m chip sample, saprolite, derived from muscovite-biotite schist and minor thin quartz veins.

CL36 1 m chip sample, saprolite, derived from muscovite-biotite schist, medium- to coarse-grained, contains minor quartz veins.

CL37 1 m chip sample, muscovite-biotite-quartz schist, medium-gray, minor iron sulfides and thin quartz seams.

CL38 1 m chip sample, quartz-feldspar-mica gneiss, medium-light-gray, very fine-grained, minor coarse-grained pyrite in quartz vein along joint.

CL40 1 m chip sample, saprolite, derived from muscovite-biotite schist, coarse-grained.

CL42 1 m chip sample, quartz-mica schist, yellowish-gray, fine-grained, weathered.

CL45 1 m chip sample, interlayered biotite schist and quartz-biotite gneiss, olive-gray, weathered.

CL46 1 m chip sample, saprolite, olive-gray to greenish-black, derived from interlayered coarse-grained crinkled mica schist and quartz-mica gneiss.

CL48 1 m chip sample, saprolite, moderate yellow-brown, derived from mica schist.

CL51 1 m chip sample, saprolite, reddish-brown, derived from quartz-mica schist.

CL55 1 m chip sample, saprolite, derived from interlayered mica and hornblende schists, minor quartz veins 0.5-5 cm thick.

CL56 1 m chip sample, saprolite, greenish-gray, sandy, derived from sheared gneiss(?), minor quartz veins 1 cm thick.

CL57 1 m chip sample, mica-garnet schist, moderate-yellow-brown, medium-grained, weathered, minor quartz lenses 1-2 cm thick.

Coal Mountain quadrangle

CMT01 1 m chip sample, mica-garnet-quartz schist, grayish-orange, garnets 1-10 mm.

CMT02 1 m chip sample, metagraywacke or quartz-biotite gneiss, light- to medium-gray, fine-grained, laminated, minor garnet.

CMT03 0.3 chip sample, saprolite, yellowish-tan, friable, derived from quartzite.

CMT04 0.3 chip sample, quartzite, friable, weathered, medium-grained.

CMT05 1 m chip sample, saprolite, friable, derived from quartzite with thin dark layers.

CMT06 1 m chip sample, quartzite, grayish-orange-pink to moderate-pink, coarse-grained, contains limonite after pyrite(?), and minor muscovite.

CMT07 1 m chip sample, saprolite, reddish-purple, derived from mica-sillimanite-garnet schist, graphitic.

CMT08 1 m chip sample, saprolite, tan to orange, sandy, derived from quartzite.

CMT09 0.6 m chip sample, saprolite, derived from mica schist below sample CMT10.

CMT10 1 m chip sample, quartzite, tan, weathered, friable.

CMT11 0.3 m chip sample, quartzite, tan, friable, weathered.

CMT12 1 m chip sample, quartzite, sheared, minor hematite.

CMT13 0.3 m chip sample, saprolite, derived from granite layer in schist.

CMT14 0.3 m chip sample, saprolite, derived from muscovite-biotite schist, coarse-grained.

Cowrock quadrangle

C05 1 m chip sample, saprolite, moderate-yellow-brown, very fine-grained, derived from quartz-mica-garnet schist.

C08 1 m chip sample, saprolite, variegated yellow, red, and tan, very fine-grained, derived from quartz-mica schist.

C09 1 m chip sample, saprolite, yellowish-tan, derived from quartz-mica schist, migmatitic.

C11 1 m chip sample, saprolite, light-brown to olive gray, fine-grained, derived from mica schist and abundant quartz veins 1-15 cm thick.

C12 1 m chip sample, saprolite, variegated gray, tan, and orange, fine-grained, derived from quartz-mica gneiss; interlayered with schist of sample C11.

C13 1 m chip sample, saprolite, light-gray to tan, sandy, very fine-grained, derived from quartz-feldspar-biotite gneiss and minor quartz-biotite schist.

C14 1 m chip sample, saprolite, light-brown, derived from quartz-mica schist containing numerous small quartz pods and lenses.

C16 1 m chip sample, saprolite, light-gray, derived from interlayered muscovite schist and quartz-mica gneiss, medium-grained, thin-layered.

C17 1 m chip sample, saprolite, light-gray, derived from quartz-biotite gneiss, very fine-grained.

C18 1 m chip sample, quartz-feldspar-biotite gneiss, medium-light-gray, very fine-grained, trace of iron sulfides.

C19 1 m chip sample, saprolite, moderate-yellowish-brown, derived from mica schist, coarse-grained.

C20 1 m chip sample, saprolite, yellowish-white, derived from quartz-feldspar-mica gneiss.

C21 1 m chip sample, saprolite, pale red, derived from mica schist.
C26 1 m chip sample, saprolite, light-yellowish-brown, sandy, derived from quartz-feldspar gneiss(?).
C29 1 m chip sample, saprolite, moderate-yellowish-brown, derived from interlayered quartz-feldspar-biotite gneiss and schist.
C30 Composite sample quartz vein, 15 cm thick, minor limonite after iron-sulfides.
C31 0.6 m chip sample, saprolite, moderate-yellowish-brown, derived from interlayered biotite schist and quartz-biotite gneiss; minor quartz lenses 0.5-5 cm thick.
C33 1 m chip sample, quartz-biotite-muscovite-garnet schist and quartz-biotite-garnet gneiss, limonite-stained.
C34 1 m chip sample, saprolite, light brown, derived from interlayered mica schist and quartz-mica gneiss.
C35 1 m chip sample, hornblende gneiss, dark gray, coarse-grained, minor quartz, biotite, and iron sulfides.
C36 1 m chip sample, saprolite, moderate-yellowish-brown, derived from mica schist containing five quartz veins 0.5-2 cm thick.
C37 1 m chip sample, saprolite, yellowish-gray to very pale-orange, derived from quartz-feldspar-mica gneiss, thin-layered.
C38 1 m chip sample, saprolite, yellowish-gray, sandy, contains four quartz veins 1-5 cm thick, discordant.
C42 1 m chip sample, saprolite, moderate brown, derived from mica-garnet schist, medium- to coarse-grained.

Cumming quadrangle

CU01 0.3 m chip sample, quartzite, friable, weathered.
CU02 0.3 m chip sample, quartzite, weathered.
CU03 0.6 m chip sample, saprolite, derived from mica schist, minor sillimanite, garnet, and graphite.
CU04 0.3 m chip sample, quartzite, very pale-orange, friable, weathered, coarse-grained, base of unit sampled.
CU05 0.6 m chip sample, quartzite.
CU06 1 m chip sample, saprolite, reddish-brown, derived from mica schist, minor quartz lenses 1 cm thick.
CU07 0.3 m chip sample, quartzite, white, weathered.
CU08 0.3 m chip sample, quartzite, porous, limonite stained, weathered.
CU09 0.3 m chip sample, quartzite, near base of section in small quarry.
CU10 1 m chip sample, saprolite, yellow, sandy, derived from quartzite.
CU11 1 m chip sample, saprolite, porous, sandy, limonite stained, derived from medium-grained feldspathic quartzite.
CU12 1 m chip sample, saprolite, tan, sandy, derived from quartzite.
CU13 1 m chip sample, quartzite, light-tan.
CU14 1 m chip sample, saprolite, reddish-purple, derived from quartz-mica schist.
CU15 1 m chip sample, saprolite, brown, sandy, derived from quartz-mica schist.
CU16 1 m chip sample, quartzite, lower part sampled.

Dahlonega quadrangle

D001 1 m chip sample, saprolite, light-brown, clayey, derived from hornblende-feldspar gneiss.
D002 0.6 m chip sample, saprolite, dusky- to grayish-brown, manganese-stained, derived from fine-grained quartz-garnet-magnetite schist.
D003 0.6 m chip sample, saprolite, pink, clayey, derived from mica schist(?).

D004 0.6 m chip sample, quartzite, brown to black, weathered.

D005 Composite sample, quartz vein, sheared, manganese stained, in quartzite of sample D004.

D006 0.6 m chip sample, saprolite, grayish-orange to pale brown, friable, very fine-grained, derived from quartz-garnet(?)-magnetite-feldspar(?)mica schist interlayered with mica-quartz-garnet schist, medium-grained. Layering 0.5-2 cm.

D007 0.6 m chip sample, saprolite, variegated tan, orange, and reddish-brown, derived from quartz-feldspar-mica gneiss, fine-grained.

D008 0.6 m chip sample, saprolite, light-brown to variegated, fine-grained, soft, derived from mica-feldspar(?)-quartz schist.

D009 1 m chip sample, saprolite, light-olive-gray, sandy, very fine-grained, derived from quartz-feldspar-biotite-carbonate(?)-sulfide(?) schist.

D010 1 m chip sample, saprolite, olive-gray, derived from quartz-mica-garnet schist, fine-grained.

D011F 0.3 m chip sample, quartz-feldspar-biotite-hornblende(?)-garnet schist, fine-grained.

D011S 0.3 m chip sample, saprolite, yellowing-light-olive-gray, friable, fine-grained, derived from schist of sample D11F.

D012 0.6 m chip sample, saprolite, olive-gray, friable, derived from biotite-quartz-feldspar-garnet schist, fine- to medium-grained, garnets 1-2 mm.

D013 0.3 m chip sample, saprolite, yellowish-gray to grayish-brown, very fine-grained, friable, derived from quartz-feldspar-mica-garnet-magnetite schist.

D014 0.6 m chip sample, saprolite, grayish-orange to olive-gray, fine-grained, derived from mica-quartz-garnet schist, garnet 0.5-2 mm.

D015 0.6 m chip sample, quartz-muscovite-biotite-feldspar(?)-garnet schist, light-olive-gray, very fine-grained, weathered.

D016 0.6 m chip sample, quartz-biotite schist, light-olive-gray, very fine- to fine-grained. Accessory garnet, iron sulfide, sphene, and calcite.

D017 0.3 m chip sample, biotite-muscovite-quartz schist, minor iron sulfides, fine-grained.

D018 0.3 m chip sample, saprolite, to partly weathered, quartz-mica-garnet schist, light-olive-gray, fine- to medium-grained. Garnet porphyroblasts 1-4 mm.

D019 1 m chip sample, saprolite, light-gray to grayish-orange, fine-grained, friable, derived from feldspar-quartz-biotite-muscovite gneiss.

D021 1 m chip sample, saprolite, light-brown, derived from hornblende schist.

D022 1 m chip sample, saprolite, derived from quartz-feldspar gneiss, interlayered with sample D021.

D023 1 m chip sample, saprolite, derived from feldspar-quartz-mica gneiss, medium-grained.

D024 0.6 m chip sample, quartz-muscovite-biotite schist, light-olive-gray, weathered, in part to saprolite, very fine-grained, layered, 1-2 mm quartz-rich layers and 1-2 mm mica-rich layers.

D025 1 m chip sample, saprolite, grayish-pink, very fine-grained, friable, clayey, derived from feldspar-quartz granulite, minor muscovite and magnetite(?).

D026 3 m chip sample, saprolite, light-brown, derived from hornblende-feldspar schist.

D027 1 m chip sample, saprolite, dark-yellowish-brown, fine-grained, friable, derived from quartz-muscovite-biotite-garnet schist.

D028 1 m chip sample, granite, white, weathered.

D031 1 m chip sample, saprolite, light-yellowish-orange, derived from muscovite schist, coarse-grained, minor quartz lenses.

D032 1 m chip sample, saprolite, grayish-orange, derived from quartz-feldspar-mica gneiss, very fine-grained, trace garnet(?)

D034 1 m chip sample, saprolite, moderate-yellowish-brown, derived from muscovite schist and minor small quartz veins.

D036 1 m chip sample, quartz-feldspar-hornblende gneiss, light- to medium-gray, medium- to coarse-grained.

D037f 1 m chip sample, quartz-feldspar-hornblende gneiss, light-gray to greenish-black, fine- to coarse-grained, partly weathered. Minor biotite and chlorite. Feldspars altered in part to zoisite?

D037w 1 m chip sample, saprolite, light-yellowish-brown, derived from quartz-feldspar-hornblende gneiss.

D038 1 m chip sample, saprolite, variegated gray, yellow, tan and red, derived from mica schist.

D039 1 m chip sample, saprolite, moderate-yellowish-brown, derived from quartz-mica gneiss, minor mafic schist layers 2 cm thick.

D043 1 m chip sample, saprolite, light-olive-gray, very fine-grained, friable, derived from quartz-biotite-muscovite-feldspar(?) schist.

D044 1 m chip sample, saprolite, moderate-yellowish-brown, clayey, derived from mica schist, very fine-grained.

D046 1 m chip sample, saprolite, strong-yellowish-brown, derived from hornblende schist, very fine-grained.

D052 1 m chip sample, saprolite, light-brown, derived from mica-garnet schist, garnet 4-8 mm.

D056 1 m chip sample, saprolite, moderate-yellowish-brown, derived from mica-garnet schist, medium- to coarse-grained.

D059 1 m chip sample, saprolite, weak-orange, derived from interlayered muscovite schist and quartz-mica gneiss.

D063 1 m chip sample, saprolite, weak-yellowish-orange, derived from mica schist, very fine-grained, minor thin quartz veins.

D067 1 m chip sample, saprolite, moderate-yellowish brown, derived from hornblende gneiss, minor quartz veins.

D068 1 m chip sample, saprolite, light-brown, derived from mica schist and quartz-mica gneiss, minor quartz stringers.

D069 1 m chip sample, saprolite, weak-brown, derived from micaceous quartzite, manganese-stained, minor vein quartz.

D071 1 m chip sample, saprolite, weak-red, derived from interlayered coarse-grained mica schist and fine-grained quartz-mica gneiss.

D074 1 m chip sample, saprolite, variegated tan and brown, derived from mica schist, very fine-grained.

D075 1 m chip sample, saprolite, light-brown, derived from mica-quartz schist, very fine-grained.

D077 1 m chip sample, saprolite, weak-brown, derived from quartz-mica schist, laminated.

D079 1.3 m chip sample, quartz vein, barren.

D080 1 m chip sample, saprolite, variegated black, red, and tan in layers 0.1-.6 m thick; derived from mica schist, fine-grained.

D080a composite sample of quartz vein from area of sample D080, 2-5 cm thick.

D081 1 m chip sample, saprolite, moderate-yellowish-brown; derived from mica-garnet schist, garnet 1-10 mm, abundant in layers 6-9 m thick.

D082 1 m chip sample, saprolite, light-brown, derived from mica-garnet schist, fine-grained.

D085 Composite sample, eight quartz veins, 1-5 cm thick, in mica-garnet schist saprolite.

D089 1 m chip sample, saprolite, weak-yellowish-orange, derived from sheared quartzite(?).

D096 1 m chip sample, quartzite and quartz-biotite schist, light-medium-gray, fine-grained, minor iron-sulfides.

D098 Composite sample quartz-mica schist from Tahloneka mine dump.

D099 Composite sample sheared hornblende schist, contains iron-sulfides from dump of Tahloneka mine.

D103 1 m chip sample, saprolite, greenish-gray to dark-yellowish-orange, derived from mica schist containing minor quartz stringers.

D104 Composite sample, quartz veins and stringers in 8 m area.

D113 Composite sample, quartz lenses, 2-5 cm thick, 5-15 cm long

D114 1 m chip sample, saprolite, moderate-brown, derived from quartz-mica schist and quartzite, fine-grained; wall rock of quartz lenses of sample D113. Represents material mined in northeast cuts of Findley mine.

D115 0.6 m chip sample from back of adit, magnetite quartzite containing minor quartz stringers, weathered. Findley mine.

Samples D119-D125 from Garnet mine, Lumpkin County.

D119 1 m chip sample of saprolite, derived from mica-garnet schist.

D122 1 m chip sample, saprolite, light-brown, derived from mica schist containing quartz stringers, 4-8 mm thick.

D123 Composite sample of quartz vein, 2-10 cm thick, in mica schist saprolite.

D124 Composite sample of quartz vein, sheared, 0.3 m thick.

D125 1 m chip sample, saprolite, light-yellowish-brown, derived from mica schist, wall rock of sample D124.

D127 1 m chip sample, biotite meta-trondhjemite, light- to yellowish-gray, fine-grained, porphyritic.

D128 1 m chip sample, mica-garnet schist, medium-grained, weathered.

D133 1 m chip sample, saprolite, pale-reddish-brown, derived from interlayered medium-grained mica schist and fine-grained quartzite, minor quartz lenses.

D137 1 m chip sample, saprolite, light-gray, sandy, derived from sheared quartzite(?) and minor quartz lenses.

D139 Composite sample, quartz vein, 15 cm thick, minor limonite after pyrite, from Crisson mine area.

D140 1 m chip sample, saprolite, moderate orange-pink, derived from granite(?); wallrock for sample D139.

D150 1 m chip sample, saprolite, moderate-yellowish-brown, derived from hornblende schist, thin-layered.

D151 1 m chip sample, hornblende schist, dark-gray, partly weathered.

D152 1 m chip sample, saprolite, derived from layered gneiss and quartz stringers.

D153 1 m chip sample, saprolite, very pale-orange, derived from gneissic granite, cut by minor quartz veins.

D155 Composite sample gossan from Chestatee mine, moderate brown.

D160 1 m chip sample, saprolite, grayish-orange, derived from interlayered mica schist and gneiss, abundant quartz stringers.

D166 1.3 m chip sample, saprolite, light-brown, derived from hornblende schist, minor quartz veins 1-15 cm thick not included, from back of caving adit.

D167 Composite sample, quartz vein, 5-15 cm thick, sheeted, from area of sample D166.

D191 1 m chip sample, quartzite, white to grayish orange, fine-grained, feldspathic, weathered.

D195 2.4 m chip sample, saprolite, moderate-yellowish-brown, derived from quartz-mica schist, minor quartz veins.

D196 0.6 m chip sample, saprolite, light-brown, sandy, manganese stains, derived from quartz-mica schist, fine-grained.

D197 2 m chip sample, saprolite, similar to sample D196, minor quartz veins.

D198 1.3 m chip sample, saprolite, similar to sample D196.

D199 1.3 m chip sample, saprolite, similar to D196.

D200 1.3 m chip sample, saprolite, dark-yellowish-brown, sandy, manganese stain derived from mica schist(?).

D201 1.3 m chip sample, saprolite, pale-brown, sandy, manganese stain, derived from mica schist, minor quartz veins 2 cm thick.

Dahlonega quadrangle - Bast Cut

DB1 0.6 m chip sample, saprolite, orange-brown, clayey, fine-grained, derived from a mafic gneiss or schist(?).

DB2 0.6 m chip sample, saprolite, gray-brown, sandy, fine-grained, derived from quartz-mica schist.

DB3 0.3 m chip sample, quartz vein, fractured, manganese stain.

DB4 1 m chip sample, hornblende-feldspar schist, olive-gray, partly weathered, lineated.

DB5 Composite sample, quartz vein, 10 cm thick, in hornblende schist saprolite.

DB6 1 m chip sample, saprolite, orange-brown, clayey, derived from hornblende schist. Sample from both walls of DB5 quartz vein.

DB7 0.6 m chip sample, quartzite, light-gray, very fine-grained, weathered; accessory magnetite and carbonate mineral(?).

Dahlonega quadrangle, Crown Mountain mine

DCM01 1 m chip sample, saprolite, light-brown, clayey, derived from hornblende schist.

DCM02 1 m chip sample, saprolite, brownish-gray, interlayered clayey and sandy, manganese stained, derived from quartz-feldspar(?)-mica schist(?).

DCM03 1 m chip sample, saprolite, mottled very pale-orange and dark-yellowish-brown, very fine-grained, sandy, derived from quartz-mica schist, laminated, minor magnetite and garnet.

DCM04 1 m chip sample, saprolite, light-brown, clayey, derived from hornblende schist.

DCM05 0.3 m chip sample, saprolite, dark-brown to black, sheared.

DCM06 1.3 m chip sample, saprolite, variegated, tan and brown, sheared, clayey.

DCM07 Composite sample, 1 cm thick seam of granular quartz stained with brownish-black manganese oxides.

DCM08 0.6 m chip sample, quartzite, mottled light gray, grayish-orange-pink and dark-gray, very fine-grained. Accessory magnetite and garnet.

DCM09 0.6 m chip sample, saprolite, variegated, red and black, clayey.
DCM10 Composite sample, quartz vein, 0.5-5 cm, iron and manganese oxide stains.
DCM11 1.6 m chip sample, saprolite, reddish-brown, clayey, minor quartz stringers including DCM10.

Dahlonega quadrangle, Crown Mountain road

DCMT01 1 m chip sample, saprolite, mottled yellowish-gray and dark-brown, thin-layered, friable, very fine-grained, manganese-stained, derived from quartz-mica schist.
DCMT02 1 m chip sample, colluvium, red clay, vein-quartz and quartzite pebbles, magnetite sand, hematite-goethite nodules.
DCMT04 Composite sample, quartz vein, 0.3 m thick, crosscutting layering in country rock.
DCMT05 1 m chip sample, saprolite, yellowish-tan, very fine-grained, derived from quartz-feldspar(?)-mica schist or quartzite.
DCMT06 1 m chip sample, quartzite, dark brown, weathered, fine-grained, accessory magnetite, 1-2 cm quartz stringers crosscut foliation.
DCMT07 1 m chip sample, saprolite, mottled yellow and black, very fine-grained manganese-stained, derived from quartz-mica schist.
DCMT08 Composite sample of colluvium in road.
DCMT09 Composite sample of colluvium in road.
DCMT10 Composite sample of colluvium in road.
DCMT11 1 m chip sample, saprolite, yellowish-tan, very fine-grained, sandy, manganese-stained, derived from micaceous quartzite.
DCMT12 1 m chip sample, saprolite, dark-yellow-orange to brown, clayey, derived from hornblende schist.
DCMT13 1.3 m chip sample, quartz-vein, partly concordant to foliation.
DCMT14 1 m chip sample, saprolite, brownish-black, sandy, thin-layered, very fine-grained, derived from quartzite.
DCMT15 Composite sample, quartz vein in quartzite, abundant limonite after pyrite.
DCMT15A Composite sample vein quartz and quartzite, mottled black and orange.

Dahlonega quadrangle - Findley mine

DF01 0.3 m chip sample, hornblende schist, olive-gray to olive-black, dark-yellow-orange, partly weathered, in part saprolite, mostly acicular hornblende(?), fine-grained.
DF02 2 m chip sample, saprolite, light-brown, speckled pale-yellowish-orange, clayey, derived from medium-grained(?) hornblende-feldspar gneiss.
DF03 1 m chip sample, saprolite, grayish-orange to olive-drab, clayey, derived from a mafic(?) mica schist or amphibolite schist.
DF04 1 m chip sample, saprolite, brown to olive-gray, very fine-grained, derived from interlayered mafic schist and quartz-feldspar-magnetite schist(?).
DF05 0.3 m chip sample, saprolite.
DF06 0.6 m chip sample, saprolite, dusky-brown, fine-grained, clayey, derived from feldspar-mica-quartz-garnet(?)-magnetite schist(?).
DF07 2 m chip sample, saprolite, dusky-brown, fine-grained, brittle, derived from quartz-mica-garnet-magnetite schist.
DF08 0.6 m chip sample, quartzite, weathered, manganese stained.
DF09 0.3 m chip sample, saprolite, olive-drab, clayey, fine-grained; derived from mica schist.

DF10 1.6 m chip sample, saprolite, dark-gray, manganese-stained, fine-grained; derived from mica schist.
DF11 Composite sample of several quartz stringers, 2-10 cm thick, poorly exposed zone.
DF12 Composite sample quartz stringers and mica schist saprolite in poorly exposed zone.
DF13 Composite sample quartz vein, 1-3 cm thick, 0.6 m long, crosscutting.
DF14 0.6 m chip sample, quartz-muscovite-biotite schist, grayish-orange-pink to dark-yellowish brown, very fine-grained, weathered; minor magnetite.
DF15 0.6 m chip sample, saprolite, derived from mica schist and minor quartz stringers.
DF16 0.6 m chip sample, vein quartz, minor muscovite and iron oxide stain.
DF17 1.3 m chip sample, saprolite, derived from mica schist and vein quartz.
DF18 1.3 chip sample, quartz vein, sheared.
DF19 2.6 m chip sample, quartz-muscovite schist, pale-red to grayish-orange-pink, weathered, very fine-grained. May have contained a carbonate, now orange to red clay-coated spots.
DF20 1.6 m chip sample, mica schist and quartz veins, weathered. Schist, brown, sandy, some manganese stain. Quartz vein 2.5 cm thick. Note: Two analyses reported as DF20. The second one appears to be the correct one. The first one may be mislabeled.
DF21 1.3 m chip sample, mica schist, yellowish-brown, weathered, minor quartz veins.
DF22 1.3 m chip sample, mica schist, weathered.
DF23 2.6 m chip sample, saprolite, derived from mica schist.
DF24 0.6 m chip sample, quartzite, white to light-gray, very fine-grained, weathered, ganular, sheared and lineated; minor magnetite.
DF25 2 m chip sample, saproljte, speckled light-brown and pale-yellowish-brown, clayey, derived from hornblende-feldspar gneiss.
DF26 1 m chip sample, saprolite, dark-greenish-gray to yellowish-orange red, fine-grained, clayey, derived from a sheared rock, possibly a mylonite.
DF27 1 m chip sample, quartzite, light- to medium-gray, very fine-grained, accessory magnetite.
DF28 1 m chip sample, saprolite, pale-yellowish-brown, derived from quartz-muscovite-magnetite schist.
DF29 Composite sample of zone 5-15 cm thick of muscovite-biotite-garnet-chlorite schist, weathered, garnet 0.5-3 mm, minor iron sulfides.
DF30 Composite sample, quartz vein, 2-10 cm thick, 1 m long.
DF31 1.3 m chip sample, quartz vein, minor iron sulfides and limonite. Garnet-rich schist along wall of vein.
DF32 1 m chip sample, quartzite, grayish red, weathered, very fine-grained, accessory garnet, mica, and feldspar.
DF33 1.3 m chip sample, mica schist and thin quartz veins, weathered.
DF34 1 m chip sample, saprolite, light brown, clayey, derived from hornblende schist.
DF35 1.3 chip sample, saprolite, variegated, brown, gray, black and orange, sandy.
DF36 Composite sample of two quartz veins; 15 cm thick, crosscut foliation.
DF37 Composite sample, quartz vein, 15-25 cm thick, white, granular.
DF38 0.3 m chip sample, interlayered, very fine-grained quartz-mica schist and medium-grained biotite-quartz-garnet schist.

DF39 Composite sample, quartz vein, 15 cm thick, contains accessory pyrite.

Dahlonega quadrangle, Fishtrap cuts

DFT1 Composite sample, quartz vein, 5-8 cm thick, accessory limonite after iron sulfides.

DFT2 1 m chip sample, saprolite, reddish-brown, clayey.

DFT3 Composite sample, quartz veins in zone 0.3 m thick. Goethite on outer edges.

DFT4 1 m chip sample, saprolite, variegated, clayey, from both walls of sample DFT3.

Dahlonega quadrangle - Hand mine

DH01 Composite sample, quartz pod, abundant limonite after pyrite.

DH02 1 m chip sample, saprolite, fine-grained meta-trondhjemite(?).

DH03 0.3 chip sample, shear zone in meta-trondhjemite and mica schist, minor quartz lenses.

DH04 1 m chip sample, shear zone in quartzite, white to light-gray or pinkish-gray, accessory muscovite, iron sulfides and carbonate mineral(?), very fine-grained.

DH05 0.5 m chip sample, quartzite, shear zone(?).

DH06 0.8 m chip sample, quartzite, white to light-gray, shear zone(?), accessory muscovite, chlorite, and iron sulfides, partly weathered.

DH07 1 m chip sample, biotite schist, hanging wall of sample DH06.

DH09 0.6 m chip sample, biotite schist, between samples DH04 and DH05.

DH11 Composite sample, quartz vein, 2-5 cm thick.

DH12 1 m chip sample, saprolite, greenish-gray, fine- to medium-grained, iron-stained, derived from mica schist. From hanging wall of DH11.

DH13 1.6 m chip sample, meta-trondhjemite, very pale-orange to pale-yellowish brown.

DH14 1 m chip sample, saprolite, dark-greenish-gray, sandy, derived from quartz-mica schist, medium-grained.

DH16 0.3 m chip sample, saprolite, derived from meta-trondhjemite.

DH17 1 m chip sample, saprolite, sheared, derived from meta-trondhjemite on trend of mineralized vein of Knight incline.

Dahlonega quadrangle, Ivey Cut

DI01 Composite sample, quartz-chlorite-hornblende-calcite-pyrite schist, green, sheared.

DI02 Composite sample, sheared rock and vein quartz.

DI03 Composite sample, sheared rock without vein quartz.

DI05 Composite sample, quartz vein, more than 1.3 m thick, white, may have had accessory calcite.

DI06 1 m chip sample, saprolite, sheared, derived from interlayered hornblende schist and quartz-mica schist(?).

DI07 Composite sample, quartz vein and saprolite wallrock.

DI08 0.6 m chip sample, saprolite, variegated, clayey, derived from mica schist(?).

Dahlonega quadrangle - Lockhart mine

DL1 1 m chip sample, saprolite, brownish-black, even-layered, very fine-grained, derived from quartz-muscovite schist and quartzite.

DL2 Composite sample of quartz vein, 2-15 cm thick, minor muscovite and limonite after pyrite, especially along vein walls.

DL3 Composite sample, quartz lens, 2-10 cm thick, 30 cm long, minor limonite after pyrite.

DL4 1 m chip sample, saprolite, dark-gray to brown, thin-layered, very fine-grained, derived from quartz-mica-magnetite schist.

DL5 1 m chip sample, saprolite, dark-gray, sandy, very fine-grained. Derived from quartz-mica schist and quartzite.
DL6 1 m chip sample, quartzite, dark-gray, very fine-grained accessory muscovite and coarse-grained iron sulfides.
DL7 1 m chip sample, quartzite, limonite after iron sulfides.
DL8 Composite sample, quartz lens, limonite after iron sulfides.
DL9 Composite sample from mine dump, biotite-hornblende-garnet schist, dark-gray, abundant large, 0.5-1 cm, garnet, late iron sulfides cut garnets. Some quartz-biotite-garnet schist layers.

Dahlonega quadrangle, Preacher cut

DP01 1 m chip sample, saprolite, quartz-stringer zone in quartz-mica schist.
DP02 1 m chip sample, saprolite, pale-yellowish-gray, very fine-grained, derived from quartz-muscovite-magnetite schist, laminated, accessory carbonate mineral(?).
DP03 Composite sample, quartz vein, 10-20 cm thick, manganese and iron stained.
DP04 1 m chip sample, saprolite, pale-reddish-brown to grayish-orange, fine-grained, derived from quartz-feldspar-mica schist.
DP05 1 m chip sample, saprolite, mottled moderate-brown and pale-yellowish-orange, fine-grained, derived from quartz-feldspar-mica schist.
DP06 1 m chip sample, saprolite, grayish-brown, friable, fine-grained, sandy, derived from quartz-mica schist, minor 2 cm quartz stringers, crosscutting.
DP07 1 m chip sample, saprolite, variegated, fine-grained, derived from quartz-mica schist and minor quartz stringers.
DP08 1 m chip sample, saprolite, brownish-orange, sandy.
DP09 1 m chip sample, saprolite, dark-yellowish-brown, very fine-grained, laminated, derived from quartz-feldspar(?)-carbonate(?)-mica schist.
DP10 1 m chip sample, saprolite, dark-brownish-gray, sandy, thin layered, friable.
DP11 Composite sample, quartz lens, 15 cm thick, concordant, fractured, manganese stained.
DP12 1 m chip sample, saprolite, light brown, fine-grained, some manganese stain, derived from quartz-mica schist.
DP13 Composite sample, quartz vein, 5-15 cm thick, fractured, white, granular quartz, some manganese stain.
DP14 1 m chip sample, saprolite, dark-brown, fine-grained, sandy, manganese-stain, derived from quartz-mica schist.

Dahlonega quadrangle - Singleton cut

DS1 Composite sample, quartz lens, 0.3 m thick.
DS2 1 m chip sample, quartz-feldspar(?)-biotite-muscovite gneiss, light-gray, spotted yellowish brown, fine-grained, laminated.
DS3 Composite sample, quartz-mica schist, pinkish-gray, minor carbonate and pyrite.

Dawsonville quadrangle

Samples DA001-DA002, Gordon Cut mine

DA001 Composite sample of amphibolite saprolite and vein quartz. Quartz vein 15 cm thick and 1.6 m long.
DA002 1 m chip sample of saprolite, light brown, derived from amphibolite, contains minor quartz veins 1-5 cm thick. Same locality as DA001.
DA004 1 m chip sample saprolite, light-brown, fine-grained, derived from quartz-feldspar-hornblende(?)-mica gneiss(?).

DA006 1 m chip sample, saprolite, light-brown, derived from hornblende-feldspar-quartz schist, minor iron-sulfides, medium-grained.
DA007 Composite sample of one quartz vein, 10 cm thick, minor limonite after iron sulfides(?). From area of sample DA006.
DA008 Composite sample, vein quartz, moderate-yellowish-brown, in amphibolite saprolite of DA009.
DA009 1 m chip sample, saprolite, moderate brown, derived from amphibolite.
Samples DA010-DA013, Ralston Cut mine
DA010 1 m chip sample, saprolite, pale-red, very fine-grained, derived from quartz-mica schist(?). Sample contains three quartz veins 0.5-5 cm thick.
DA011 1 m chip sample, saprolite, pale-yellowish-brown, derived from a shear zone(?) in quartz-feldspar-mica schist (?) and amphibolite. Contains some 2 cm thick quartz lenses.
DA012 1 m chip sample, saprolite, light-brown, soft clayey, derived from amphibolite.
DA013 1 m chip sample, saprolite, moderate-orange-pink, clayey, minor quartz lenses, derived from quartz-feldspar-mica schist(?).
DA015 1 m chip sample, saprolite, light-brown, derived from amphibolite, minor quartz lenses.
DA016 1 m chip sample, saprolite, light brown, derived from sheared(?) quartz-mica schist(?), and minor vein quartz.
DA017 1 m chip sample, saprolite, light-brown, derived from quartz-mica schist containing munerous quartz veins 1-2 cm thick.
DA020 1 m chip sample, saprolite, light-brown, derived from quartz-mica schist containing minor quartz veins 15 cm thick.
DA021 3 m chip sample, iron-rich quartz-mica schist, brownish- to dark-gray, fine-grained, weathered. Much of iron is now limonite, some may be magnetite. Small prospect pit.
DA022 0.3 m chip sample of gossan, light-brown, along foliation of schist similar to sample DA021.
DA024 Composite sample, quartz-biotite-garnet schist, olive-gray, fine-grained, garnet, red, poikiloblastic, 1-5 mm, minor iron sulfides. Dump of Pollard tunnel.
DA025 Composite sample, quartz-garnet vein in quartz-biotite schist, dump of Pollard tunnel.
Samples DA028-DA032, Battle Branch mine
DA028 0.6 chip sample, saprolite, light-brown, derived from quartz-mica schist containing one quartz vein, 5 cm thick.
DA029 Composite sample, quartz vein, 0.6-1 m thick, contains garnet along wall.
DA030 1.3 m chip sample, saprolite, moderate-yellowish-brown, fine-grained, derived from quartz-mica schist.
DA031 1 m chip sample, saprolite, moderate-yellowish-brown, derived from quartz-mica schist containing a quartz vein 3-10 cm thick.
DA032 Composite sample of quartz vein of sample DA031.
Samples DA037 and 038 from adit on Whim Hill.
DA037 Composite sample of several quartz lenses in back of adit in saprolite of sample DA038.
DA038 1 m chip sample, saprolite, moderate brown, derived from amphibolite(?). In back of adit.
Samples DA042 - DA055 from Hedwig cut.
DA042 Composite sample of several quartz lenses in mica schist saprolite.

DA043 1 m chip sample, saprolite, dark-yellowish-orange, derived from mica schist.
DA044 1 m chip sample, saprolite, light-brown, derived from amphibolite.
DA045 Composite of quartz vein, 2-5 cm thick in amphibolite saprolite, crosscuts layering in amphibolite.
DA046 2.7 m chip sample, saprolite, light-brown, derived from very fine-grained quartz-feldspar(?)-mica schist, rare 0.5 cm quartz veins.
DA047 3 m chip sample, saprolite, light-brown, derived from similar schist in DA046.
DA048 3 m chip sample, saprolite, light-brown, same as DA047 and DA046.
DA049 3 m chip sample, saprolite, same as DA046-DA048.
DA050 2 m chip sample, saprolite, moderate-orange-pink, similar to DA046-DA049.
DA051 Composite of four quartz veins from area of sample DA050.
DA052 4 m chip sample, saprolite, light-brown, similar to DA046-DA050.
DA053 Composite of four quartz veins from area of sample DA052.
DA054 3 m chip sample, saprolite, light-brown, derived from interlayered hornblende and mica schist(?).
DA055 7 m chip sample, saprolite, moderate-orange-pink, similar to DA046-DA050.
DA067 Composite sample vein quartz in hornblende schist of sample DA068.
DA068 3 m chip sample, saprolite, light-brown, derived from hornblende schist.
DA069 2 m chip sample, saprolite, light-brown, derived from interlayered hornblende schist and mica schist(?).
DA070 2 m chip sample, saprolite, light-brown, derived from mica schist(?).
DA071 2 m chip sample, saprolite, light-brown, derived from mica schist(?); sample includes two quartz veins, 2.5 cm thick.
DA072 2 m chip sample, saprolite, light-brown, derived from mica schist(?); sample includes one quartz vein, 5 cm thick.
DA073 Composite sample, vein quartz, 10 cm thick, in saprolite of sample DA072.
DA074 1.3 m chip sample, saprolite, light brown, derived from interlayered mica and hornblende schist(?).
DA075 Composite sample of quartz vein, 0.3 m thick.
DA076 1.3 chip sample, saprolite, moderate-reddish-brown, derived from mica schist and includes three quartz veins, 0.5 to 5 cm thick.
DA077 1.6 chip sample, saprolite, light-brown, derived from hornblende schist.
DA078 1.6 chip sample, saprolite, moderate-reddish-orange, derived from mica schist.
DA079 5 m chip sample, saprolite, light-brown, derived from hornblende schist.
DA080 Composite sample of three quartz veins, 5-10 cm thick, from area of sample DA079.
DA081 2 m chip sample, saprolite, moderate-reddish-orange, derived from mica schist.
DA086 1 m chip sample, quartz-mica-pyrite schist, grayish-orange, weathered.
DA087 1 m chip sample, quartz-muscovite-pyrite schist, grayish-orange-pink, fine-grained, partly weathered, minor quartz veins, 2-5 cm thick.
DA088 1 m chip sample, quartz-muscovite-pyrite schist, very pale-orange, fine-grained.
DA089 Composite sample, quartz vein, 2-10 cm thick, iron-stained, grayish-orange.

DA090 Composite sample, quartz vein, 2-5 cm thick, contains pyrite and limonite after pyrite.

Samples DA093-DA095 Battle Branch mine, Gayden shaft

DA093 0.3 chip sample, saprolite, light-brown, derived from mica schist and thin quartz veins, in old shaft.

DA094 0.3 chip sample, mica schist, pale-yellowish-brown, no quartz veins, above sample DA093.

DA095 1 m chip sample, mica-garnet schist, moderate-yellowish-brown, weathered, garnet is coarse-grained; sample contains two quartz veins, 2-5 cm thick.

DA099 1 m chip sample, saprolite, moderate-yellowish-brown, medium-grained, derived from mica-garnet schist.

DA102 1 m chip sample, saprolite, light-brown, derived from mica schist.

DA110 0.6 m chip sample, saprolite, soft, clayey, derived from garnet-mica schist, contains one quartz vein, 2 cm thick.

DA111 1 m chip sample, saprolite, reddish-brown, sandy, derived from quartz-mica gneiss.

DA112 1 m chip sample, mica schist, coarse-grained, weathered, minor quartz lenses, 0.5-1 cm thick.

DA113 1 m chip sample of saprolite, pale red, fine-grained, derived from quartz-feldspar-mica schist.

DA114 Composite sample of three quartz veins, 2-15 cm thick, white, minor tourmaline in one, from schist of sample DA113.

DA115 1 m chip sample, saprolite, light-brown, sandy, derived from quartz-mica schist.

DA116 1 m chip sample, amphibolite, minor vein quartz lenses, dark-greenish-gray, weathering moderate-yellowish-brown, fine-grained, schistose, deeply weathered.

DA117 1 m chip sample, saprolite, moderate-brown, fine-grained, sandy, derived from quartz-mica schist or gneiss, one quartz lens 2-3 cm thick.

DA118 1 m chip sample, saprolite, dark-yellowish-brown to olive-gray, fine-grained, sandy, derived from quartz-mica-garnet schist, garnets red, as much as 4 mm across, euhedral; abundant 0.5 cm thick quartz seams.

DA119 1 m chip sample, quartz-mica-garnet schist, very-pale-orange, weathered to moderate-yellowish-brown, fine-grained; garnets as much as 3 mm in diameter. Minor quartz lenses 0.5-1 cm thick.

DA120 0.6 m chip sample, saprolite, light-brown, fine-grained, derived from mica-quartz-garnet schist.

DA121 Composite sample of four quartz veins, white to pale-yellowish-orange, 5-15 cm thick. Veins concordant to discordant to layering in schist country rock.

DA122 1 m chip sample, saprolite, pinkish- to brownish-gray, medium-grained, derived from mica-quartz-garnet schist and minor quartz stringers.

DA123 1 m chip sample, saprolite, light brown, fine-grained, derived from mica schist.

DA124 Composite of four quartz veins, white to grayish-red, 1-5 cm thick, in schist of DA123.

DA125 1 m chip sample, saprolite, grayish-orange-pink to very pale-orange, fine-grained, soft, derived from quartz-mica schist.

DA126 1 m chip sample, saprolite, very pale-orange, very fine-grained, derived from mica-quartz schist, minor pyrite(?)

DA127 1 m chip sample, saprolite, derived from very fine-grained mica-quartz schist.

DA128 Composite sample of five quartz veins, 1-8 cm thick, white, gray, and very pale-orange, granular. In schist of sample DA127.

DA129 0.6 m chip sample, quartz-feldspar(?) gneiss, grayish-orange, weathered, sheared. Possibly a calc-silicate(?). Gold Hill mine area.

DA130 0.3 chip sample, quartz vein, very pale-orange to white, 0.3 m thick minor limonite along vein margin. Gold Hill mine area.

Samples DA131-DA137 from Etowah mine

DA131 1 m chip sample, saprolite, gray-tan, clayey, derived from mica schist. Sample is country rock above vein of sample DA132.

DA132 Composite sample, vein quartz, white to light-gray, granular. Vein in shaft area, Etowah mine.

DA133 Composite sample of several quartz veins, brownish-gray, 1-3 cm thick, 0.6 m above quartz vein of sample DA132.

DA134 0.6 m chip sample, saprolite, moderate-yellowish-brown, fine-grained, derived from quartz-mica schist from above sample DA133.

DA135 1 m chip sample, saprolite, olive-gray, fine-grained, derived from mica-feldspar-quartz-garnet schist. Minor tourmaline.

DA136 1 m chip sample, saprolite, light-gray to light-olive-brown, derived from quartz-feldspar-mica-garnet schist, fine-grained, interlayered with mica-garnet-kyanite schist.

DA137 Composite sample of four quartz veins, 1-3 cm thick in schist of sample DA136.

DA138 0.6 m chip sample, saprolite, light-olive-gray, very fine-grained, derived from interlayered biotite-quartz schist and quartz-biotite schist.

DA139 1 m chip sample, saprolite, grayish-orange, derived from very fine-grained quartz-muscovite schist.

DA140 Composite sample of three quartz veins, 23 cm thick and several quartz seams 0.5 cm thick in saprolite of sample DA139. Quartz white to grayish-orange.

Samples DA141-DA147 from Betz mine.

DA141 1 m chip sample, saprolite, grayish-orange, soft, sandy, fine-grained, derived from quartz-mica schist.

DA142 Composite of fine quartz lenses, 1-3 cm thick, 0.3-1 m long, in a zone 15 cm thick in center of sample DA141.

DA143 1 m chip sample, saprolite, pale-yellowish-brown, soft, sandy, very fine-grained, derived from quartz-muscovite-biotite schist.

DA144 Composite sample of zone of schist saprolite and quartz veins about 0.6 m below sample DA143, schist saprolite similar to DA143, vein quartz white to light gray, contains minor limonite after pyrite.

DA145 0.6 m chip sample, saprolite, very-pale-orange, soft, papery, sandy, very fine-grained, derived from quartz-muscovite-biotite schist.

DA146 Composite sample of three quartz veins, each 5 cm thick in schist of sample DA145. Quartz, white, minor limonite after pyrite.

DA147 2 m chip sample, saprolite and vein quartz, saprolite, pale-yellowish-brown, fine-grained, soft, sandy, derived from quartz-muscovite-biotite schist. Sample 0.6 m below sample DA145. 1/3 quartz, 2/3 schist(?).

Samples DA148-DA161 from Topabri or Josephine mine.

DA148 0.6 m chip sample, saprolite, pale-yellowish-brown to moderate-brown, possibly derived from interlayered calc-silicate gneiss and biotite schist, fine-grained.

DA149 Composite of four quartz veins in upper part of same DA148, quartz white to grayish-orange, minor limonite stain.

DA150 0.6 m chip sample, feldspathic quartzite, pinkish-gray, fine-grained, sheared, contains minor pyrite and calcite, partly weathered.

DA151 1.3 m chip sample, saprolite, moderate-yellowish-brown, fine-grained, derived from hornblende-feldspar-quartz schist.

DA152 0.6 m chip sample, saprolite and vein quartz, moderate-yellowish-brown, derived from interlayered biotite and hornblende schist. Four 0.5-3 cm thick quartz veins included in sample.

DA153 Composite sample of quartz lenses and seams, 2-15 cm thick in zone 0.6 m thick in mica-schist saprolite.

DA154 0.3 chip sample, saprolite, light-brown, fine-grained, derived from hornblende-feldspar schist. Below zone of sample DA153.

DA155 0.3 chip sample, colluvium light-brown, fine-grained, mostly pieces of hornblende-feldspar schist saprolite.

DA156 0.6 m chip sample, saprolite, pale-yellowish-brown, fine-grained, sandy, derived from quartz-feldspar-biotite gneiss.

DA157 Composite sample of quartz vein, white to grayish-orange, 20 cm thick, from middle of sample DA156, contains minor pyrite and limonite after pyrite.

DA158 1.3 m chip sample, saprolite, moderate-yellowish-brown, derived from feldspar-hornblende(?) gneiss.

DA159 Composite of three quartz veins, 2-10 cm thick, from sample DA158. [Analysed only for gold, 0.2 ppm; copper, 86 ppm; lead, 68 ppm, molybdenum, 2 ppm; and zinc 330 ppm.]

DA160 1 m chip sample, saprolite, moderate-yellowish-brown, derived from hornblende-feldspar-mica schist and gneiss. Minor iron sulfides.

DA161 Composite of three quartz veins, 1-8 cm thick, minor limonite after pyrite.

DA162 0.3 m chip sample, saprolite, grayish-brown, fine-grained, derived from quartz-feldspar(?)-mica schist, thin and even foliation.

DA163 0.3 m chip sample, saprolite, light-brown, medium-grained, derived from quartz-mica-garnet schist, garnets red and as much as 5 mm across.

DA164 1 m chip sample, saprolite, light-brown, medium-grained, derived from quartz-muscovite-garnet schist, garnets red and as much as 5 mm across.

DA165 Composite of four quartz veins, 2-5 cm thick, in sample DA164. Quartz, white to light gray, some yellowish-gray stain.

DA166 0.6 m chip sample, saprolite, pale-reddish-brown, fine-grained, derived from quartz-feldspar-mica schist.

DA167 Composite sample of five quartz veins 0.5-1 cm thick in 2 m of mica-schist saprolite including sample DA166. Quartz white to light gray.

DA168 0.6 m chip sample, saprolite, moderate-yellowish-brown, derived from quartz-mica-garnet schist. Garnets as much as 5 mm in diameter.

DA169 Composite sample of four quartz veins, 1 cm thick, in 6 m of schist saprolite including sample DA168.

DA170 1 m chip sample, saprolite, light-gray, tan, and orange-brown, very fine-grained, soft, clayey, derived from muscovite-biotite-quartz schist.

DA171 Composite sample of four quartz lenses, 2-8 cm thick, white to light gray - from 3 m of schist saprolite.

DA172 1 m chip sample, saprolite, light-gray to light-brown, very fine-grained. Derived from mica-quartz-garnet schist. Garnet as much as 4 mm across.

DA173 Composite sample, three quartz veins, 15 cm thick, in schist saprolite.

DA174 1.3 m chip sample, saprolite, pale-reddish-brown, very fine-grained, derived from quartz-mica schist.

DA175 0.6 m chip sample, saprolite, pale-yellowish-orange, very fine-grained, derived from muscovite-quartz-garnet schist. Garnet, red, and as much as 0.6 cm across.

DA176 0.3 m chip sample, quartzite or calc-silicate, light-brown to grayish-orange, weathered.

DA177 0.6 m chip sample, saprolite, pale-yellowish-orange to yellowish-gray, very fine-grained, derived from mica-quartz-garnet schist. Garnet as much as 0.3 cm across. Abundant thin quartz lenses.

DA178 1 m chip sample, saprolite, yellowish-gray, fine-grained, derived from mica-quartz-garnet schist. Garnet as much as 0.3 cm across. Minor seams of vein quartz.

DA179 1 m chip sample, saprolite, moderate brown, fine-grained, derived from interlayered mica schist, calc-silicate, and mafic schist. Minor seams of vein quartz.

DA180 0.6 m chip sample, saprolite, very-pale-brown to pale-yellowish-orange, medium-grained, derived from muscovite-biotite-quartz schist.

DA181 Composite sample of two saprolite granite sills in mica schist, 0.1-0.3 m thick. Quartz-feldspar-mica granite, fine-grained.

DA182 Composite of six quartz veins in 10 m of mica schist.

DA183 0.6 m chip sample, saprolite, olive-gray to pale-yellowish-brown, fine-grained, derived from mica-quartz-garnet schist. Garnet as much as 0.2 cm across.

DA184 Composite of three quartz veins in 6 m of mica schist. Sample contains minor amounts of schist wallrock.

DA186 0.6 m chip sample, quartz-biotite-muscovite-garnet schist, light-brownish gray, light brown spots after a carbonate(?) mineral, fine-grained. Biotite in scaly clusters.

DA187 0.5 m chip sample, saprolite, pale-yellowish-brown to moderate brown, fine-grained, derived from quartz-mica-garnet schist similar to sample DA186.

DA188 Composite sample of five quartz veins, 1-5 cm thick in 1.3 m of schist, white to light-gray, some iron stain. Minor amount of biotite along vein walls.

DA189 2 m chip sample, quartz-biotite-muscovite-garnet schist, dark-yellowish-brown to medium-gray, fine-grained. Garnets, red, 0.1 cm.

DA190 0.3 m chip sample, quartz-mica-pyrite schist, pale-red to light-brown, very fine-grained, weathered, nearly saprolite.

DA191 1 m chip sample, quartz-mica-pyrite schist, pale-red to moderate-brown, very fine-grained, weathered, nearly saprolite.

DA192 0.3 m chip sample, quartz-mica-pyrite schist, grayish-orange-pink to reddish brown, very fine-grained, weathered, nearly saprolite.

DA193 Composite sample of several boulders, quartz-mica-pyrite schist, grayish-orange-pink to reddish-brown, very fine-grained, weathered, nearly saprolite.

DA194 1 m chip sample, quartz-mica-kyanite-pyrite schist, moderate brown, very fine-grained, weathered, nearly saprolite. All pyrite oxidized to limonite.

DA195 Grab sample of soil, light-brown, clayey and stoney, derived from quartz-mica-kyanite-pyrite schist.

DA196 Grab sample of soil and saprolite, light-brown, derived from quartz-mica-kyanite-pyrite schist.

DA197 1 m chip sample, quartz-mica-pyrite schist, pale-red, very fine-grained, weathered, nearly saprolite. Pyrite oxidized to limonite.

DA198 1 m chip sample, quartz-mica-pyrite schist, pale-red, very fine-grained, weathered, nearly saprolite. Pyrite oxidized to limonite.

DA199 2.4 m chip sample, mica-quartz-pyrite schist, medium-light- to medium-dark-gray, very fine-grained.

DA200 Composite sample of limonite along fracture in mica-quartz-pyrite schists, moderate-brown, fine-grained.

DA201 2 m chip sample, quartz-muscovite-kyanite(?)-pyrite schist, yellowish- to pinkish-gray, fine-grained, partly weathered.

DA202 1 m chip sample, biotite-quartz-muscovite-garnet schist, medium-light- to medium-dark-gray, medium-grained. Garnet, red, 1 mm in diameter.

DA203 1.2 m chip sample, quartz-muscovite-kyanite(?)-pyrite schist, same as DAB201.

DA204 6 m chip sample, quartz-muscovite-kyanite(?)-pyrite schist, similar to DAB201 except more and better crystallized pyrite.

DA205 2 m chip sample, quartz-muscovite-kyanite-pyrite schist, similar to DAB204, minor amount of chalcocite, partly weathered.

DA206 3 m chip sample, quartz-muscovite-kyanite-pyrite schist, similar to DAB204.

DA207 3.3 m chip sample, quartz-muscovite-kyanite-pyrite schist, similar to DAB204.

DA208 4.3 m chip sample, quartz-muscovite-kyanite-staurolite-pyrite schist similar to DA4204.

DA209 1.6 m chip sample, quartz-muscovite-pyrite-staurolite schist.

DA210 3 m chip sample, quartz-muscovite-staurolite-pyrite schist.

DA211 3 m chip sample, quartz-muscovite-pyrite schist, similar to DAB204.

DA212 2 m chip sample, quartz-muscovite-staurolite-kyanite-pyrite schist, similar to DAB204.

DA213 3 m chip sample, quartz-muscovite-pyrite schist, similar to DAB204.

DA214 3 m chip sample, quartz-muscovite-pyrite schist, similar to DAB204.

DA215 3 m chip sample, quartz-muscovite-pyrite schist, similar to DAB204.

DA216 2 m chip sample, quartz-muscovite-pyrite schsit, similar to DAB204

DA217 3 m chip sample, quartz-muscovite pyrite schist, similar to DAB204

DA218 5.8 m chip sample, quartz-muscovite-pyrite-saturolite-kyanite schist, similar to DAB204.

DA219 5 m chip sample, quartz-feldspar-kyanite-pyrite schist, grayish-orange, fine-grained, less mica than DAB204 and more feldspar and clay, more weathered.

DA220 3 m chip sample, quartz-feldspar-mica-pyrite schist, very light- to light gray, fine-grained, weathered.

DA221 4 m chip sample, quartz-muscovite-feldspar-pyrite schist, light-gray, fine-grained, weathered.
DA222 3 m chip sample, quartz-mica-feldspar-pyrite schist, light-gray, fine-grained, weathered.
DA223 0.6 m chip sample, saprolite, moderate-brown, fine-grained, derived from quartz-mica schist.
DA224 Composite sample quartz vein, light-gray, granular, 1-3 cm thick, from sample DA223.
DA225 0.6 m chip sample, saprolite, pale- to grayish-red, fine-grained, derived from quartz-mica-feldspar-garnet schist.
DA226 0.6 m chip sample saprolite, moderate-reddish-brown, fine-grained, derived from quartz-mica schist.
DA227 Composite sample of three quartz lenses, 1 to 3 cm thick in the lower part of sample DA226.
DA228 1 m chip sample, saprolite, moderate-yellowish-brown, fine-grained, derived from quartz-mica schist containing minor poikiloblastic red garnet in disc-shaped masses 0.5 cm across.
DA229 Composite sample of several lenses of vein quartz, white to light-brown, 1-2 cm thick in zone of 15 cm thick in schist of DA228.
DA230 1.6 m chip sample saprolite, light-brown, fine-grained, derived from quartz-mica-feldspar-garnet schist. Garnet, dark red, flat, disc-shaped, 0.5-1 cm across, poikiloblastic.
DA231 0.6 m chip sample, saprolite, light-brown, fine-grained, derived from quartz-mica-feldspar schist containing minor flattened garnets.
DA232 Composite sample of quartz vein, pinkish- to yellowish-gray, 10-15 cm thick, in schist of sample DA231.
DA233 0.6 m chip sample, saprolite, pale red, fine-grained, derived from quartz-mica-feldspar(?) schist.
DA234 Composite of three quartz veins, white to pinkish-gray, granular 1-3 cm thick in 1.3 m of mica schist of DA233.
DA240 1.3 m chip sample, quartz-mica-pyrite schist, weathered.
DA241 1.6 m chip sample, quartz-mica-pyrite schist, weathered.
DA242 1.3 m chip sample, quartz-mica-pyrite schist, weathered.
DA243 0.6 m chip sample, quartz-mica schist, weathered, minor pyrite.

Dawsonville quadrangle, Barlow cut

DAB01 1 m chip sample, saprolite, light-brown, clayey, derived from hornblende schist.
DAB02 1 m chip sample, saprolite, light to moderate-red and tan, silty, very fine-grained, derived from quartz-mica schist.
DAB03 1 m chip sample, saprolite, shear zone, reddish- to light-brown, derived from mica schist, minor amphibolite(?) and minor thin quartz lenses.
DAB04 0.6 m chip sample, saprolite, reddish-tan, silty, includes four quartz veins 1-8 cm thick.
DAB05 1 m chip sample, saprolite, derived from mica schist and minor quartz veins.
DAB06 1.3 m chip sample, saprolite, greenish-gray, medium-grained, derived from mica schist. Includes two 1 cm thick quartz lenses.
DAB08 1 m chip sample, quartz-mica schist and three quartz lenses, 0.5-1 cm thick.
DAB09 1 m chip sample, saprolite, light-brown, speckled grayish-orange, clayey, derived from hornblende-feldspar gneiss.
DAB10 0.6 m chip sample, saprolite, derived from mica schist. Includes one quartz vein 2 cm thick.

DAB11 1 m chip sample, saprolite, derived from mica schist above DAB09.
DAB12 1 m chip sample, saprolite, derived from mica schist.
DAB13 1 m chip sample, saprolite, derived from quartz-mica schist.
DAB14 1 m chip sample, saprolite, derived from quartz-mica schist. Includes two quartz-veins 0.5 cm thick.
DAB15 1 m chip sample, quartz-mica schist, weathered, 1 cm thick seam of disseminated sulfides.
DAB16 0.15 m chip sample, quartz-muscovite-biotite schist, light-gray, fine-grained, coarse-grained quartz lenses, minor iron sulfides.
DAB17 1 m chip sample, quartz-feldspar-mica gneiss, light- to medium-gray, very fine- to medium-grained.
DAB18 1 m chip sample, saprolite, derived from quartz-feldspar-mica schist.
DAB19 1 m chip sample, saprolite, derived from mica schist.
DAB20 Composite sample of several quartz veins near contact of mica schist and amphibolite.
DAB21 1 m chip sample, saprolite, derived from quartz-feldspar-mica schist and two 5 cm thick quartz lenses.
DAB22 0.3 m chip sample, saprolite, reddish-tan, clayey and silty, derived from mica schist containing two quartz veins 2-5 cm thick.
DAB23 1 m chip sample, saprolite, variegated reddish-brown, tan, and gray, medium-grained, derived from mica schist and minor thin quartz veins.

Dillard quadrangle

DIL1 Composite sample of quartz vein, white to pale red, 6-10 m thick(?), minor iron sulfides partly altered to limonite.
DIL2 0.6 m chip sample, saprolite, moderate-brown, derived from mica gneiss and calc-silicate(?) gneiss, minor vein quartz.
DIL3 1 m chip sample, saprolite, pale-reddish-brown, derived from interlayered mafic and mica schist, fine-grained, minor vein quartz.
DIL4 0.6 m chip sample, saprolite, light-brown, derived from feldspar-mica-quartz gneiss and mica schist, one quartz vein 2 cm thick.
DIL5 0.6 m chip sample, quartz vein, white, barren.
DIL6 1 m chip sample, saprolite, medium-light-gray, derived from biotite granite, fine-grained.

Duluth quadrangle

DU01 1 m chip sample, quartzite, white, minor mica and feldspar, sheared.
DU02 1 m chip sample, saprolite, derived from quartz-mica-garnet schist.
DU03 1 m chip sample, quartzite, near top of unit.
DU04 1 m chip sample, saprolite, derived from mica-quartz-garnet(?) schist interlayered with quartzite.
DU05 1 m chip sample, quartzite, near base of unit.
DU06 1 m chip sample, quartz-mica-garnet schist, weathered.
DU07 1.6 m chip sample, quartzite, weathered, iron-stained, sandy.
DU08 1 m chip sample, quartzite, weathered.
DU09 1 m chip sample, quartzite, weathered.
DU10 1 m chip sample, saprolite, sandy, derived from feldspathic(?) quartzite.
DU11 1 m chip sample, saprolite, reddish-brown and white, layered, derived from interlayered feldspathic quartzite and mica schist.
DU12 1 m chip sample, saprolite, reddish-brown, derived from quartz-mica-garnet schist, minor pegmatite and quartz pods.
DU13 1 m chip sample, saprolite, derived from mica-kyanite(?)-graphite schist.
DU14 1 m chip sample, quartzite, iron-stained.

DU15 1 m chip sample, quartzite, coarse-grained, weathered, minor mica and limonite after iron-sulfides.

DU16 0.3 m chip sample, quartzite, thin-layered, weathered, contains limonite after pyrite.

Flowery Branch quadrangle

FB1 1 m chip sample, quartzite, sheared.

FB2 1 m chip sample, saprolite, reddish- and brownish-gray, derived from biotite schist containing pegmatite pods and quartz lenses.

Helen quadrangle

H001 1 m chip sample, saprolite, yellowish-orange, derived from muscovite-biotite-quartz schist, medium-grained, interlayered with quartz-feldspar-garnet gneiss and calc-silicate(?).

H002 1 m chip sample, saprolite, pale red, derived from quartz-feldspar-mica gneiss, very fine-grained.

H003 1 m chip sample, saprolite, pale red, derived from quartz-feldspar-mica gneiss, very fine-grained.

H004 1 m chip sample, saprolite, greenish-gray to light-brown, derived from mica-quartz schist, medium-grained.

H005 0.3 m chip sample, saprolite, light-brown, derived from mica schist, coarse-grained, single layer in reddish-brown clayey saprolite.

H006 1 m chip sample, saprolite, moderate-yellowish-brown to greenish-gray, derived from muscovite-quartz-kyanite(?) schist.

H007 1 m chip sample, quartz-feldspar-mica gneiss, medium-light-gray, fine-grained, thin layered.

H008 1 m chip sample, mica-sillimanite(?) schist, pale-yellowish-brown, medium- to coarse-grained, weathered.

Samples H009 - H019 are from Lot 10 mine.

H009 1.3 m chip sample, saprolite, light-gray to pale-yellowish-brown, derived from quartz-feldspar-biotite gneiss.

H010 1 m chip sample, saprolite, moderate-yellowish-brown, derived from quartz-feldspar-mica gneiss and interlayered mica schist.

H011 1.3 m chip sample, saprolite, tan to yellowish-gray, derived from muscovite schist.

H012 Composite sample of several quartz veins, 2-15 cm thick in zone 0.3 m thick in area of sample H011.

H013 1.3 chip sample, saprolite, light-yellowish-gray, derived from quartz-feldspar-biotite gneiss.

H014 1.3 chip sample, saprolite, yellowish-gray, derived from quartz-feldspar-biotite gneiss.

H015 1 m chip sample, saprolite, similar to sample H014.

H016 1.6 m chip sample, saprolite, light-olive-gray, derived from interlayered mica schist and lesser amounts of mica gneiss.

H017 1 m chip sample, saprolite, light-olive-gray, derived from interlayered feldspar-quartz-mica gneiss and lesser amounts of mica schist.

H018 Composite sample of several quartz veins, 5-10 cm thick, 0.5 m long, near sample H017.

H019 1 m chip sample, saprolite, moderate-yellowish-brown, derived from interlayered mica-quartz-garnet schist and quartz-feldspar-mica gneiss.

H021 0.3 m chip sample, saprolite, grayish-orange, derived from migmatitic mica schist, coarse-grained.

H022 1 m chip sample, muscovite-biotite-garnet schist, weathered; garnet red, 1-6 mm, trace graphite, sillimanite(?).

H023 1 m chip sample, quartz-feldspar-mica schist and coarse-grained muscovite schist, light-gray, trace red garnet.

H024 1 m chip sample hornblende schist, thin layered.

Samples H025 - H028 in area of Childs mine

H025 1 m chip sample, saprolite, moderate-yellowish-brown, derived from mica schist.

H026 Composite sample several irregular quartz veins and lenses in mica schist saprolite.

H027 1 m chip sample, saprolite, light brown, derived from hornblende schist.

H028 1 m chip sample, saprolite, pale-red, minor quartz stringers, derived from quartz-mica schist(?).

H029 1 m chip sample, quartz-feldspar-mica gneiss, medium-gray to moderate-yellowish-brown where weathered, fine-grained. Analyzed sample weathered.

H030 1 m chip sample, saprolite to weathered, feldspar-quartz-mica gneiss, or gneissic granite, medium-grained.

H031 0.5 m chip sample, saprolite, moderate-yellowish-brown, derived from mica schist containing quartz veins 0.5-1 cm thick.

H032 1 m chip sample, saprolite, very-pale-orange, clayey, derived from feldspar-quartz-mica gneiss or gneissic granite.

H033 1 m chip sample, saprolite, pale-reddish-brown, derived from mica schist.

H034 1 m chip sample, saprolite, variegated greenish-gray, light-brown, light-gray and reddish brown, derived from quartz-feldspar-mica gneiss containing quartz veins 1-2 cm thick.

H035F 1.3 m chip sample, interlayered mica-garnet schist and quartz-feldspar-mica gneiss, medium-light-gray, schist coarse-grained, garnet 1-4 mm, gneiss very fine-grained, layers 1-2 cm thick, minor quartz lenses and iron sulfides.

H035W 0.6 m chip sample, saprolite, derived from interlayered schist and gneiss like sample H035F.

H036 2 m chip sample, quartz-biotite gneiss, medium-gray, very fine-grained, minor garnet and trace iron sulfides.

H037 1 m chip sample, saprolite, very-pale-brown, derived from quartz-biotite gneiss like sample H036.

H038 Composite sample quartz vein, 2-4 cm thick, in mica schist saprolite, minor pyrite.

H039 0.6 m chip sample, saprolite, very-pale-orange, derived from quartz-mica gneiss.

H040 2 m chip sample, saprolite, yellowish-gray, derived from interlayered mica gneiss and schist.

H041 1 m chip sample, saprolite, light-olive-gray, derived from quartz-feldspar-biotite gneiss, very-fine-grained.

H042 1 m chip sample, saprolite, grayish-orange, derived from interlayered mica gneiss and schist and quartz veins 1 cm thick.

H044 1 m chip sample, saprolite, light-brown, derived from mica schist.

H045 1 m chip sample, saprolite, pale-red, clayey, derived from quartz-feldspar-mica gneiss, very fine-grained.

H046 1 m chip sample, saprolite, moderate-orange, derived from hornblende gneiss.

H047 1 m chip sample, saprolite, light-gray, derived from interlayered mica gneiss and schist; gneiss fine-grained, schist medium-grained.

H048 0.3 m chip sample, saprolite, moderate-yellowish-brown, derived from mica schist.

H051 1 m chip sample, interlayered quartz-mica gneiss and mica schist, pale-yellowish-gray, minor iron sulfides, partly weathered.

H052 Composite sample of several thin quartz veins containing minor pyrite.

H053 1.3 m chip sample, mica-quartz-garnet schist, medium-gray, medium-grained, trace iron-sulfides; garnet, red, 1-3 mm.

H054 1 m chip sample, saprolite, light-yellowish-brown to light-gray, sandy, contains thin quartz stringers, derived in part from quartz-feldspar-biotite gneiss, fine-grained.

H055 1 m chip sample, saprolite, light-brown, derived from interbedded hornblende gneiss and mica-garnet schist, minor quartz stringers, 0.5-1 cm thick.

H059 1 m chip sample, saprolite, yellowish-gray, derived from biotite-muscovite-quartz-feldspar(?) schist, and some mica schist and mafic schist layers, 2-5 cm thick.

H064 1 m chip sample, biotite-muscovite-quartz-garnet schist, light-yellowish-brown, weathered, medium- to coarse-grained, minor quartz lenses, trace iron sulfides.

H065 1 m chip sample, quartz-feldspar-mica gneiss, light-yellowish-brown to light-gray, weathered, very fine-grained, trace limonite after iron-sulfides(?).

H066 1 m chip sample, saprolite, moderate-yellowish-brown, derived from mica schist containing quartz lenses.

H072 1 m chip sample, saprolite, pale-reddish-orange, derived from quartz-mica schist, fine- to medium-grained.

H073 Composite sample, quartz vein, some manganese stain, 1-10 cm thick, weathered, from area of sample H072.

H074 1 m chip sample, saprolite, pale-yellowish-orange, clayey, derived from quartz-mica schist(?), very fine-grained.

Samples H080-H088 mine workings along Dukes Creek

H080 Composite sample, vein quartz, 1 m zone of veins and seams.

H081 1.3 chip sample, saprolite, light-brown to reddish-tan, derived from mica schist, fine-grained, below zone of sample H080.

H082 1 m chip sample, saprolite, light-brown, soft, derived from quartz-mica schist, very fine-grained.

H083 Composite of three quartz veins, 1-5 cm thick, from area of Sample H082.

H084 Composite sample, quartz veins, 5-15 cm thick, in zone 0.6 m thick in gray quartz-mica schist.

H085 0.6 m chip sample, saprolite, light-yellowish-brown, derived from quartz-feldspar(?)-mica gneiss, very fine-grained. Wall rock of sample H084.

H086 0.6 m chip sample, saprolite, olive-drab, derived from mica-garnet schist, fine-grained, minor quartz lenses 1-2 cm thick.

H087 0.3 m chip sample, saprolite, pale-yellowish-brown, derived from fine-grained mica-garnet schist, garnet as much as 1 mm.

H088 Composite sample, vein quartz from area of Sample H087.

Samples H089-H108 from White County mine.

H089 0.6 m chip sample, saprolite, light-brown, derived from quartz-feldspar-mica gneiss, fine-grained.

H090 Composite sample, quartz vein, 5-10 cm thick, sheared, minor limonite after iron-sulfides, 1-10 mm.

H091 0.6 m chip sample, saprolite, moderate-orange-pink, derived from quartz-feldspar-mica gneiss, fine-grained, laminated.

H092 1.6 m chip sample, granite dike cutting gneiss and schist, weathered. Composed of feldspar, quartz, and muscovite, fine-grained, minor small red garnets.

H093 0.6 m chip sample, saprolite, moderate-orange-pink, derived from quartz-feldspar-mica gneiss(?), fine-grained, minor quartz veins, 1-2 cm thick.

H094 0.15 m chip sample, saprolite, weak-orange, derived from thin zone of quartz-mica gneiss and vein quartz.

H095 0.6 m chip sample, saprolite, moderate-orange-pink, derived from quartz-feldspar-mica gneiss, fine-grained, sheared(?), minor quartz veins.

H096 0.3 m chip sample, saprolite, moderate-yellowish-brown, derived from quartz-feldspar-mica gneiss and vein quartz.

H097 0.15 m chip sample, saprolite, light-brown, derived from quartz-feldspar gneiss and vein quartz.

H098 0.6 chip sample, saprolite, grayish-orange-pink, derived from quartz-feldspar-mica gneiss and minor vein quartz.

H099 0.15 chip sample, saprolite, grayish-orange-pink, derived from interlayered quartz-feldspar gneiss and quartz veins 1-2 cm thick.

H100 1 m chip sample, saprolite, grayish-orange-pink, derived from quartz-feldspar gneiss and one quartz vein 5 cm thick.

H101 1 m chip sample, saprolite, light-brown, derived from interlayered quartz-feldspar gneiss, hornblende gneiss and calc-silicate gneiss(?), area sampled contains eight quartz veins 0.5 cm thick.

H102 Composite sample of six quartz veins in zone 0.6 m wide of quartz-feldspar gneiss saprolite, moderate-orange-pink.

H103 0.6 m chip sample, saprolite, moderate-orange-pink, derived from quartz-feldspar gneiss, zone containing quartz veins of sample H102.

H104 0.5 m chip sample, saprolite, pale-yellowish- to grayish-orange, derived from quartz-feldspar gneiss, and minor mica schist and vein quartz.

H105 0.3 m chip sample, saprolite, moderate-brown, derived from interlayered quartz-feldspar and quartz-feldspar-mica gneiss, and two quartz veins, 1 cm thick.

H106 0.6 chip sample, saprolite, grayish-orange-pink, derived from quartz-feldspar gneiss and one quartz vein 5 cm thick.

H107 0.6 m chip sample, saprolite, light-brown, derived from quartz-feldspar gneiss and several thin quartz veins.

H108 0.5 m chip sample, saprolite, pale-yellow, derived from granitic pegmatite dike.

Hightower Bald quadrangle

HB01 1.3 m chip sample, quartzite, pale-orange, very fine-grained, weathered.

HB02 1 m chip sample, saprolite, derived from mica schist.

HB03 0.6 m chip sample, saprolite, derived from biotite-quartz-feldspar-garnet schist, medium-grained.

HB04 1 m chip sample, granite, fine-grained.

HB05 1 m chip sample, saprolite, gray, very fine-grained, derived from quartz-feldspar-mica gneiss.

HB11 1 m chip sample, saprolite, tan, reddish-brown to light-brown, soft, derived from quartz-biotite-feldspar gneiss.

HB12 Composite sample, vein quartz, several thin veins in 0.15 m zone in gneiss saprolite.
HB13 1.6 m chip sample, saprolite, similar to sample HB11.
HB14 0.6 m chip sample, quartz vein, sheared.

Hog Mountain quadrangle

HM1 1 m chip sample, feldspathic quartzite, very light-gray to very pale-orange, very fine-grained, weathered.
HM2 1 m chip sample, saprolite, pale brown to gray, derived from mica schist, very fine-grained, trace garnet and graphite(?), minor vein quartz.
HM3 1 m chip sample, saprolite, pale-red to medium-light-gray, derived from mica schist, very fine-grained, graphitic(?), minor vein quartz.
HM4 Composite sample of several quartz lenses in graphitic(?) schist of sample HM3.
HM5 0.6 m chip sample, saprolite, grayish-orange, derived from interlayered very fine-grained feldspathic quartzite and quartz-mica schist; some schist layers graphitic(?).
HM6 0.6 m chip sample, quartzite, light-brown to very pale-orange, fine-grained, weathered.
HM7 0.6 m chip sample, quartzite, very-pale-orange, to light-brown, fine-grained, weathered, minor vein quartz.
HM8 1 m chip sample, saprolite, very light-gray to light-brown, derived from mica schist, very fine-grained, graphitic in part.

Juno quadrangle

J1 0.6 m chip sample, saprolite, light-olive-gray, derived from mica schist, medium-grained.
J2 0.6 m chip sample, saprolite, grayish-orange to very-pale-orange, derived from feldspathic metasandstone, fine-grained, minor layers of quartz-muscovite schist, medium-grained.

Lake Burton quadrangle

BL01 1 m chip sample, hornblende-feldspar schist, dark-gray, fine-grained, minor sulfide.
BL02 1 m chip sample, biotite-muscovite-quartz schist, minor quartz-calcite-pyrite lenses, medium- to coarse-grained.
BL03 1 m chip sample, saprolite, moderate-brown, derived from biotite-quartz schist.
BL04 1 m chip sample, saprolite to partly weathered quartz-feldspar-muscovite-biotite schist, pinkish-gray, very fine-grained, minor garnet.
BL05 0.5 chip sample of several quartz veins in saprolite derived from mica and hornblende schists. Veins 1-8 cm thick.
BL06 1 m chip sample, saprolite, pale-reddish-brown, derived from quartz-feldspar-mica schist.
BL07 Composite sample of quartz vein 0.3-0.6 m thick, stained grayish-orange-pink.
BL08 1 m chip sample, saprolite, tan to olive-gray, to partly weathered, dark- to yellow-gray, quartz-feldspar-biotite-muscovite gneiss, accessory garnet, thin-layered or pin stripes of quartz-feldspar and biotite.
BL09 Composite sample, quartz vein, 2-4 cm thick.
BL10 0.6 m chip sample, saprolite, red, derived from mica gneiss containing seven thin quartz veins.
BL12 2 m chip sample saprolite, moderate-orange-pink, derived from sheared mica gneiss and contains one quartz vein 0.6 m thick and

numerous small quartz lenses, 2.5 cm thick. Quartz veins appear sheeted.

BL13 1 m chip sample, saprolite, orange- to reddish-tan, derived from sheared mica schist.

BL17 1 m chip sample, calc-silicate gneiss layer in amphibolite, granoblastic quartz, feldspar, and hornblende, minor garnet and epidote, fine-grained, laminated, partly weathered.

BL18 1 m chip sample, saprolite, friable, sandy, derived from interlayered mica schist and quartz-mica schist.

BL19 1 m chip sample, saprolite, light-gray to brown, derived from interlayered quartz-feldspar-mica gneiss, fine-grained, and biotite-muscovite-quartz schist, medium-grained.

BL20 1 m chip sample, amphibolite, partly weathered, interlayered with mica gneiss and schist.

BL21 1 m chip sample, saprolite, derived from hornblende schist, contains one quartz stringer, 1 cm thick.

BL22 1 m chip sample, saprolite, reddish-brown, fine-grained, derived from quartz-mica schist.

BL25 1 m chip sample, quartz-biotite-feldspar gneiss, medium-gray, fine-grained, weathered.

BL26 0.5 m chip sample, saprolite, reddish-brown and tan, derived from interlayered quartz-mica-feldspar schist and hornblende schist; includes two quartz seams, 1-2 cm thick.

BL29 1 m chip sample, saprolite, interlayered tan, light-gray and brown, derived from mica-feldspar schist and minor quartz lenses.

BL33 1 m chip sample, saprolite, derived from mica-quartz-garnet schist.

BL35 1 m chip sample, mica-quartz-kyanite-graphite schist, weathered.

BL37 1 m chip sample, saprolite, light-gray, coarse-grained, derived from mica-feldspar-quartz schist.

BL40 Composite sample of several quartz veins, 1-2 cm thick in zone 0.3 m thick in mica gneiss and schist, light- to medium-gray, fine-grained.

BL41 0.6 m chip sample, interlayered quartz-mica gneiss and schist, light- to medium-light-gray, fine-grained wall rock of sample BL40.

Macedonia quadrangle

OS1 Composite sample from dump at Bell Mountain quarry, quartz, white, pale reddish-brown, moderate-orange-pink, minor iron sulfide.

OS2 Composite sample from dump at Bell Mountain quarry, quartz, brown, limonite stained.

Matt quadrangle

Mat01 1 m chip sample, saprolite, variegated, clayey, derived from mica schist, minor quartz veins, 1 cm thick.

Mat02 1 m chip sample, saprolite, derived from coarse-grained migmatitic mica schist.

Mat03 1 m chip sample, mica-garnet schist, weathered, minor quartz stringers.

Mat04 1 m chip sample, saprolite, derived from interlayered mica schist and hornblende schist. Mica schist contains minor garnet and vein quartz. Sample mostly mica schist saprolite.

Mat05 1 m chip sample, saprolite, white, derived from quartz-mica schist.

Mat06 1 m chip sample, saprolite, reddish-purple, derived from mica schist, medium-grained, garnets 1-3 mm.

Mat07 1 m chip sample, saprolite, derived from garnet-mica schist.

Mat08 1 m chip sample, saprolite, greenish-gray, derived from mica schist, fine-grained, minor quartz lenses 1 cm thick.

Mat10 1.6 m chip sample, quartzite, light-gray, contains thin layers of magnetite and limonite.
Mat11 1 m chip sample, saprolite, derived from hornblende schist.
Mat12 0.3 chip sample, magnetite-quartzite, light- to dark-gray, thin-layered to laminated.
Mat13 1 m chip sample, saprolite, reddish-brown, derived from mica schist.
Mat14 0.6 m chip sample, saprolite, derived from zone of mica-garnet schist and abundant thin quartz veins.
Mat15 1 m chip sample, saprolite, greenish-tan, derived from mica-garnet schist and thin quartz veins.
Mat16 1 m chip sample, saprolite, derived from mica-garnet schist, and minor quartz veins 1 cm thick.
Mat17 1 m chip sample, saprolite, derived from interlayered mica-garnet and hornblende schist, minor quartz lenses. Garnets 6-12 mm.

Murrayville quadrangle

M05 4 m chip sample, saprolite, brown, soft, clayey. Derived from mica schist, fine-grained.
M07 2 m chip sample, saprolite, grayish-orange, derived from fine- to medium-grained quartz-mica schist.
M08 4 m chip sample, saprolite, brown, clayey, derived from biotite schist(?)
M09 2.5 m chip sample, saprolite, gray to brown, laminated; derived from quartz-mica schist, minor quartz veins, 1 cm thick.
M10 2 m chip sample, quartz-mica-garnet schist, dark-brown to light-brownish-gray, very fine-grained, thin-layered, weathered, manganese-stained.
M11 5 m chip sample, saprolite, brown, clayey interlayered with laminated quartz-mica schist similar to M10 and minor vein quartz lenses.
M12 3 m chip sample, saproljte, variegated, orange, purple, grayish-brown, clayey, minor vein quartz stringers 1 cm thick.
M13 0.3 m chip sample, saprolite, similar to sample M12.
M14 0.6 m chip sample, saprolite, similar to sample M12.
M15 0.3 m chip sample, saprolite, dark-yellowish-orange, clayey.
M16 0.3 m chip sample, saprolite, pale-reddish-brown.
M17 0.15 m chip sample, saprolite, derived from feldspar-quartz-mica schist, fine-grained.
M18 Composite sample of two quartz veins, 0.5-5 cm thick in reddish-brown saprolite.
M19 4 m chip sample, saprolite, grayish- to yellowish-orange and pale-red, clayey, derived from feldspar-hornblende schist(?).
M20 0.3 m chip sample, saprolite, reddish-orange to yellowish-brown, thin layered, derived from quartz-mica schist, fine-grained.
M21 0.3 m chip sample, saprolite, very pale-orange to grayish-orange, derived from quartz-mica schist, coarse-grained, minor garnet.
M22 0.3 m chip sample, saprolite, moderate-orange-red to pale-orange, thin layered, derived from quartz-mica schist, very fine-grained, mica magnetite.
M24 0.3 m chip sample, saprolite, similar to sample M22.
M25 Composite sample of vein quartz in seams 0.5 to 2 cm thick in 0.6 m zone of schist saprolite. Seams concordant and discordant to foliation of schist.
M26 1.2 m chip sample, quartz-mica-garnet schist, weathered, coarse-grained.

M27 0.3 m chip sample, saprolite, light-olive-gray to moderate-yellowish-brown, laminated, derived from quartz-mica-feldspar(?) schist, very fine-grained.
M28 0.3 m chip sample, saprolite, pink, clayey.
M29 0.3 m chip sample, saprolite, yellow-orange, clayey, derived from mafic schist.
M30 0.3 m chip sample, saprolite, yellowish-olive-gray, clayey, dark gray to black spots may be altered garnet, derived from quartz-mica-garnet(?) schist.
M31 1 m chip sample, saprolite, interlayered pale-yellowish-orange to light-brown, clayey, derived from biotite-feldspar and hornblende-feldspar gneiss(?).
M32 1 m chip smaple, quartz-mica-garnet schist, light-gray, fine-grained, weathered.
M33 0.3 m chip sample, saprolite, orange- to reddish-brown, fine-grained, minor quartz veins 1 cm thick.
M34 1 m chip sample, saprolite, orange-brown, derived from hornblende schist boudin.
M35 0.3 m chip sample, saprolite, olive-gray, derived from quartz-mica-garnet schist, minor quartz lenses concordant to foliation.
M36 1 m chip sample, saprolite, light-brown, derived from hornblende schist, minor quartz veins and stringers 2-10 cm thick.
M37 1 m chip sample, mica schist, greenish gray, weathered. Quartz lenses 1-2 cm thick.
M38 1 m chip sample, quartz-mica schist, greenish-gray, fine-grained, weathered.
M39 1 m chip sample, saprolite to partly weathered hornblende schist.
M40 1 m chip sample, hornblende schist, thin-layered, minor epidote.
M41 1 m chip sample, quartz-muscovite-biotite-garnet schist, medium-light gray, fine-grained, minor iron sulfides, some quartz lenses 1-10 cm thick.
M42 1 m chip sample, mica-garnet schist, coarse-grained.
M43 1 m chip sample, interlayered mica schist and quartz-mica gneiss, fine- to medium-grained, contains iron sulfide.
M45 1 m chip sample, quartzite, yellowish- to light gray, sheared, contains minor magnetite, muscovite and chlorite.
M48 0.3 m chip sample, saprolite, orange, clayey. Derived from mica-garnet schist.
M50 1 m chip sample, quartz-mica gneiss, medium-light-gray, fine-grained.
M51 1 m chip sample, interlayered quartz-mica gneiss and mica-garnet schist, coarse-grained, minor quartz lenses 1-2 cm thick by 15 cm long.
M52 1 m chip sample, saprolite, yellow-brown, derived from feldspar-hornblende-quartz(?) gneiss, sheared.
M54 1 m chip sample, saprolite, light-yellowish-gray, derived from feldspathic gneiss, sheared.
M58 Composite sample, vein quartz, 0.6 m thick, in pit at Teal prospect.

Murrayville quadrangle, Calhoun mine

MC01 Composite sample, quartz vein, 1-5 cm thick in mica schist saprolite, minor muscovite, goethite, and hematite in vein. May have contained carbonate.
MC02 1 m chip sample, saprolite, brownish-gray, derived from interlayered quartz-mica schist and quartz-biotite gneiss, sheared, minor quartz stringers.
MC03 Composite sample of average rock on dump, quartz-mica schist.

MC05 1 m chip sample, saprolite, variegated light- to moderate brown, pale-reddish-brown and black, fine-grained, derived from quartz-mica gneiss similar to sample MC46.

MC06 1 m chip sample, saprolite, moderate- to moderate-yellowish-brown, derived from quartz-mica gneiss, fine-grained, rare garnet, minor, quartz stringers, 1 cm thick.

MC07 1.3 m chip sample, saprolite, derived from quartz-mica schist similar to sample MC48.

MC08 Composite sample, quartz vein, 1-7 cm thick, minor goethite.

MC09 0.6 m chip sample, saprolite, dark-yellowish-brown, streaked with very-pale-orange, derived from fine-grained quartz-feldspar-mica gneiss.

MC10 1 m chip sample, saprolite, moderate-brown to light brown, streaked, derived from quartz-mica-garnet schist, fine-grained.

MC11 Composite sample, quartz-vein, 5 cm thick, minor limonite.

MC12 1 m chip sample, saprolite, light- to moderate-brown, streaked, derived from mica-feldspar-quartz-garnet gneiss, fine-grained.

MC13 0.6 m chip sample, saprolite, light-olive-gray, speckled light-brown, derived from quartz-feldspar-mica-garnet gneiss, fine-grained, garnet coarse-grained.

MC14 1 m chip sample, saprolite, derived from mica schist.

MC15 1 m chip sample, saprolite, derived from mica schist.

MC16 0.6 m chip sample, saprolite, derived from mica schist.

MC17 0.6 m chip sample, saprolite, derived from mica schist.

Samples MC20 - MC46 from lower adit driven in 1940's.

MC20 Composite sample, quartz vein, 2 cm thick in quartz-mica schist, in adit 25 ft from portal, sample mostly schist. Vein contains calcite and iron sulfides.

MC21 0.3 m chip sample, quartz-mica-garnet schist, medium- to dark-gray, fine-grained; a few blue quartz grains 0.5-2 mm, garnets 1-3 mm; 32 ft from portal.

MC22 Composite sample, quartz-calcite-chlorite vein, 2-10 cm thick, and some quartz-mica schist wall rock, 40 ft from portal. Vein has trace iron sulfides.

MC23 0.3 m chip sample, quartz-mica schist, medium-gray, wall rock of quartz vein of sample MC22, contains minor garnet and trace iron sulfides.

MC24 Composite sample, quartz vein, 0.5 m thick, pinches out near back of adit, 62 ft from portal, trace iron sulfides.

MC25 0.3 m chip sample, quartz-mica schist below vein of MC24, pale yellowish brown, minor garnet, rare iron sulfides and black tourmaline.

MC26 0.3 m chip sample, saprolite, dark-yellowish-brown, derived from sheared mica schist near pinch-out of quartz vein sample MC24; 80 ft from portal.

MC27 Composite sample, quartz vein, 75 ft from portal, trace limonite stain and coatings on fractures.

MC28 0.3 m chip sample, quartz-mica schist, medium-gray, 89 ft from portal, minor garnet.

MC29 0.3 m chip sample, quartz-feldspar-biotite-garnet schist, medium-gray and brown layers, rare iron sulfides, 99 ft from portal.

MC30 Composite sample, saprolite, derived from mica-garnet schist in shear zone(?), 5 cm wide, 112 ft from portal.

MC31 Composite sample of quartz vein 0.3-0.6 m thick, 130 ft from portal. Vein contains minor carbonate, chlorite, and iron sulfides.

MC32 0.3 m chip sample, quartz-biotite-muscovite-garnet schist, medium-dark-gray, garnet 2-5 mm, quartz and mica less than 1 mm, 125 ft from portal.

MC33 Composite sample, quartz vein, 0.3 m thick, contains calcite, 158 ft from portal. Vein has trace iron-sulfides.

MC34 0.3 m chip sample, quartz-biotite-garnet schist, medium-gray and light-medium-gray, streaked, fine-grained, a few blue quartz grains 1-2 mm 156 ft from portal.

MC35 0.3 m chip sample, quartz-mica schist, medium-gray, minor garnet and iron sulfides, 200 ft from portal.

MC36 0.3 m chip sample, quartz-biotite schist, medium-dark-gray, fine-grained, minor iron sulfides, 225 ft from portal.

MC37 Composite sample, quartz vein, 0.1-0.3 m thick, contains calcite, chlorite, iron sulfides, 240 ft from portal.

MC38 0.3 m chip sample, quartz-biotite schist, medium-dark-gray, rare garnet and iron sulfides, 254 ft from portal.

MC39 0.3 m chip sample, vein quartz, 0.6 m zone of quartz veins and schist. Quartz contains calcite, chlorite, 273 ft from portal.

MC40 0.3 m chip sample, quartz mica schist, medium-to medium-dark-gray, fine-grained, minor garnet and pyrite; 285 ft from portal.

MC41 Composite sample, quartz vein, 5 cm thick in quartz-mica schist, contains iron sulfides, calcite and chlorite. 331 ft from portal.

MC42 Composite sample, two quartz veins, 1 cm thick, and enclosing quartz-mica schist country rock, 330 ft from portal. Veins contain calcite and iron sulfides.

MC43 0.6 cm chip sample, quartz-biotite-muscovite schist, medium- to dark-gray, minor iron sulfides, scattered blue quartz grains 1-3 mm, most of rock very fine-grained; from area of samples MC41 and MC42.

MC44 0.3 m chip sample, quartz-mica gneiss, medium-gray, fine-grained; minor blue quartz grains, 0.5-1 mm and some iron sulfides; 389 ft from portal.

MC45 Composite sample of fresh limonite coating on adit wall spreading out from joint in rock; near sample MC44.

MC46 Composite sample of quartz vein, 0.5-15 cm thick, in dark gray quartz-mica-garnet-schist. Vein has calcite, chlorite, and minor iron sulfide; near face of schist.

Samples MC47-MC57 collected from adit level up the corkscrew raise to stope above.

MC47 0.3 chip sample, quartz-mica schist and minor vein quartz, medium-dark-gray; a few blue quartz grains 0.5-1 mm, from foot of raise.

MC48 Composite sample quartz vein, 3-5 cm thick, contains chlorite, iron sulfides, and calcite; vein discordant to foliation of enclosing schist, from area of first turn of raise.

MC49 0.3 chip sample, quartz-mica schist, medium-gray, fine-grained, minor garnet 1-3 mm, and blue quartz grains 1-2 mm; from area of sample MC48.

MC50 Composite sample of four quartz veins, 2-5 cm thick at second turn in raise, minor calcite, chlorite and iron sulfides.

MC51 0.6 m chip sample, quartz-mica schist, light- to medium-gray, fine-grained, wall rock in area of sample MC50.

Samples from old stope level

MC52 Composite sample of quartz vein, 5-10 cm thick, and quartz-mica schist at northeast face, vein contains minor carbonate and iron sulfides.

MC53 0.6 m chip sample, quartz-mica-garnet schist, medium-gray, fine-grained, minor iron sulfides, from area of sample MC52.

MC54 Composite sample of quartz vein and quartz-mica schist from pillar in stope northeast of head of raise, minor iron sulfide and carbonate in vein and iron sulfide in schist.

MC55 Composite sample of limonite coating on footwall of stope near samples MC52 and MC53.

MC56 Composite sample quartz-mica schist, medium-dark-gray, very fine-grained, contains scattered 1-2 mm blue quartz grains and minor iron sulfides; minor quartz stringers. From stope above and 30 ft to northeast of area of samples MC52 and MC53.

MC57 Composite sample altered vein material and country rock from area near sample MC56, medium-light-gray to light-olive-gray, fine-grained.

Murrayville quadrangle, Turkey Hill mine

MT1 Composite sample from dump, quartz-mica-garnet schist, medium-gray, very fine-grained, garnet, red, 1-3 mm, porphyroblastic, euhedral.

MT2 Composite sample from dump, quartz-mica-garnet schist and minor quartz-calcite-chlorite veins 1-4 mm thick, schist is streaked light-gray and medium-gray, very fine-grained.

MT3 1 m chip sample, quartz-mica-garnet schist, similar to sample MT1, but weathered.

MT4 1 m chip sample, saprolite, derived from quartz-mica schist.

MT5 Composite sample quartz lens, 15 cm thick, 30 cm long in schist saprolite.

MT6 1 m chip sample, saprolite, derived from quartz-mica schist and quartz-calcite lenses and veins.

Notteley quadrangle

R1 Grab sample at Stone Products quarry, quartz, pale red to white.

Satolah quadrangle

SA1 1 m chip sample, saprolite, gray, soft, sandy, derived from biotite gneiss.

SA2 1 m chip sample, saprolite, gray, soft, sandy, derived from quartz-feldspar-biotite-muscovite gneiss, medium-grained, migmatitic.

SA3 1 m chip sample, saprolite, gray, soft, derived from quartz-feldspar-biotite-muscovite gneiss.

SA4 1 m chip sample, saprolite, tan, soft, derived from biotite-muscovite schist, minor pegmatite stringers.

Suwanee quadrangle

SU1 1 m chip sample, saprolite, grayish-orange-pink to light-brown, derived from mica-garnet schist, medium-grained, garnet 1-5 mm.

SU2 1 m chip sample, saprolite to weathered gneissic granite, fine-grained.

SU3 0.6 m chip sample, feldspar-quartz-biotite gneiss, light gray to light-yellowish-brown, weathered, fine-grained.

Tallulah Falls quadrangle

TF1 1.3 m chip sample, arkosic quartzite, medium- to coarse-grained, weathered.

TF2 2 m chip sample, arkosic quartzite, medium- to coarse-grained, weathered.

TF2R 1.3 m chip sample, arkosic quartzite, grayish-orange, weathered.

TF3 0.6 m chip sample, graphitic schist lens in quartzite of sample TF2R.
TF4 1 m chip sample, saprolite, dusky-yellowish-orange, derived from quartz-muscovite schist and arkosic quartzite.
TF5 0.6 m chip sample, graphitic schist light-olive- to light-gray, weathered, minor vein quartz.
TF6 0.6 m chip sample, graphitic schist, light-olive- to medium-gray, weathered, minor vein quartz.

Tiger quadrangle

TI3 1 m chip sample, siliceous mylonite, pale-yellowish-orange.
TI4 1 m chip sample, siliceous mylonite, weak-yellowish-orange, iron-stained.
TI5 0.6 m chip sample, saprolite, grayish-orange, derived from meta-arkose, fine-grained.
TI6 0.6 m chip sample, saprolite, pale-yellowish-brown, derived from meta-arkose, fine-grained.
TI7 2 m chip sample, quartzite, light- to medium-gray minor iron sulfides.

Toccoa quadrangle

TO1 0.6 m chip sample, saprolite, very-pale-orange, derived from feldspathic quartzite or quartz-feldspar-mica gneiss, fine-grained.
TO2 1 m chip sample, hornblende-feldspar gneiss, olive-gray to olive-black, fine-grained, weathered.
TO3 Composite sample of fines from rock crushing operation, derived from feldspathic quartzite, trace of biotite, muscovite and garnet.
TO4 0.6 m chip sample, saprolite, grayish-orange, medium-grained, sandy, derived from feldspathic quartzite, trace of biotite and muscovite.
TO5 0.3 m chip sample, quartz-biotite-muscovite schist, olive-gray, fine-grained, weathered.
TO6 0.6 m chip sample, saprolite, very-pale-orange, derived from feldspathic quartzite, fine-grained, trace biotite and muscovite.

Tray Mountain quadrangle

TM2 1 m chip sample, saprolite, light-gray, sandy; derived from quartz-mica gneiss, fine-grained.
TM3 0.3 m chip sample, quartz-muscovite schist, weathered, pale-red to light-brown, mica coarse-grained. Contains limonite after sulfides and/or carbonates.
TM4 1 m chip sample, saprolite, reddish-brown; derived from mica schist; contains minor quartz lenses, 1 cm thick.
TM5 1 m chip sample, saprolite, light-gray to reddish-brown, very fine-grained; derived from quartz biotite-feldspar gneiss.
TM6 0.6 m chip sample, saprolite, light-gray, medium-grained, derived from mica-quartz schist, interlayered with gneiss of TM5.
TM7 1 m chip sample, feldspar-quartz-hornblende granulite, pale-orange, minor epidote alteration, weathered.

Tugaloo Lake quadrangle

TU1 0.6 m chip sample, quartzite
TU2 0.3 m chip sample, graphitic schist, dark gray, very-fine-grained.
TU3 0.6 m chip sample, saprolite, derived from quartzite(?).
TU4 1 m chip sample, quartz-biotite-muscovite schist, light-olive-gray, fine-grained, minor garnet, red, and iron sulfides(?).
TU5 1 m chip sample, quartz-feldspar-biotite gneiss, medium-light-gray, fine-grained, migmatitic, finely layered, minor vein quartz.

Explanation of Table 2

Table 2 lists results of the various analyses, except the XRF analyses which are listed separately in Table 3. Samples are listed twice where analyses were repeated. Iron, magnesium, calcium, and titanium are reported in percent (%); the other elements in parts per million (ppm). Letters below element symbols are: s, six-step, semiquantitative spectrographic method; aa, atomic absorption; inst, instrumental. Other symbols: N, not detected at detection limit give in text; <, less than value shown; >, greater than value shown; --, not determined. Elements looked for spectrographically but not found and the limits of detection in ppm: As, 200; Au, 10; Bi, 10; Cd, 20; Sb, 100; Sn, 10; and W, 50. Exceptions: As - samples DF36 and DA022, 200 ppm; MC10, 500 ppm; MC01, 700 ppm; MC44, detected but less than 200 ppm. Au - sample H107, detected but less than 10 ppm. Bi - samples CL22 and H096, 10 ppm; D123, 30 ppm; DIL2, 70 ppm; D096, detected but less than 10 ppm. Cd - sample DU03, 50 ppm. Sb - sample H027, 100 ppm. Sn - samples CM17, C14, C26, DA123, DA125, 10 ppm; CMT13, C14, DCM08, DF12, 15 ppm; CM14, C12, 20 ppm; DA009, 30 ppm.

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Table 2. - Analyses of rock and saprolite samples.
[N, not detected; <, detected but below the limit of determination shown; >, determined to be greater than the value shown.]

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	B-ppm s	Ba-ppm s	Be-ppm s
AY1	34 31 47	83 22 32	2	.3	1.5	.15	1,000	N	--	1,000	1
AY2	34 31 47	83 22 32	3	.5	2	.15	1,500	N	--	700	2
AY3	34 31 57	83 20 40	5	1	5	.2	1,500	N	--	500	2
AY4	34 32 58	83 23 32	7	1.5	1.5	1	2,000	N	20	700	7
AY5	34 32 58	83 23 25	1.5	.2	.7	.15	1,000	N	N	2,000	1.5
AY6	34 33 14	83 23 1	1.5	.15	.3	.15	1,500	N	N	3,000	<1
AY7	34 33 14	83 22 59	15	1.5	2	.5	3,000	N	<10	500	1.5
AY8	34 37 7	83 25 47	10	.7	<.05	1	3,000	N	<10	1,000	<1
BD1	34 8 4	84 2 55	3	.7	.15	.3	300	N	<10	500	<1
BD2	34 8 28	84 3 6	3	1	.07	.3	500	N	<10	500	1
BD3	34 7 53	84 3 10	3	.7	.1	.5	1,000	N	<10	150	2
BD4	34 8 20	84 6 10	.7	.07	<.005	.1	50	N	--	300	N
BD5	34 8 20	84 6 10	3	.15	.007	.2	100	N	--	300	N
BD6	34 9 20	84 6 30	3	.02	--	.07	700	N	--	200	N
BD7	34 9 20	84 6 30	5	.15	--	.3	150	N	--	300	N
BD8	34 15 0	84 7 20	1	.05	--	.15	15	N	--	300	N
BD9	34 15 0	84 7 20	7	.3	--	.3	300	N	--	500	N
CM01	34 31 37	84 0 30	1.5	1	.02	.3	300	N	--	500	N
CM01	34 31 37	84 0 30	3	1	<.05	.7	700	N	30	300	1
CM02	34 31 25	84 0 37	3	.7	.07	.3	300	N	--	300	2
CM02	34 31 25	84 0 37	10	1	<.05	1	700	N	70	500	1.5
CM03	34 31 24	84 0 42	10	1	.02	1	700	N	70	1,000	1.5
CM03	34 31 24	84 0 42	3	1	.2	.3	300	N	--	700	3
CM04	34 31 22	84 0 50	15	5	3	1	2,000	N	N	20	N
CM04	34 31 22	84 0 50	7	3	7	.3	700	N	--	15	N
CM06	34 31 18	84 0 55	15	3	.07	1	1,000	N	N	70	N
CM06	34 31 18	84 0 55	7	3	1.5	.3	500	N	--	30	N
CM13	34 30 15	84 2 38	10	1	<.05	.7	700	N	20	2,000	5
CM13	34 30 15	84 2 38	2	.7	.02	.3	300	N	--	1,500	5
CM14	34 30 30	84 2 36	10	2	N	.7	150	N	10	1,500	5
CM14	34 30 30	84 2 36	7	.7	.03	.3	50	N	--	1,500	5
CM17	34 31 23	84 2 20	3	.5	.005	.3	150	N	--	700	3
CM17	34 31 23	84 2 20	5	.3	N	.5	700	N	N	1,000	3
CM18	34 31 23	84 2 20	1	.07	<.05	.15	700	N	N	300	<1
CM18	34 31 23	84 2 20	.3	.05	<.005	.07	150	N	--	150	N
CM22	34 31 45	84 0 59	15	7	<.05	>1	2,000	N	30	300	1
CM22	34 31 45	84 0 59	5	1	.05	.7	500	N	--	150	1
CM44	34 31 43	84 0 6	2	.01	<.05	.2	500	N	10	500	1
CM44	34 31 43	84 0 6	1.5	.2	.007	.15	150	N	--	700	1
CM46	34 30 46	84 0 47	.15	.02	.05	.3	700	N	10	300	1
CM46	34 30 46	84 0 47	.7	.2	.07	.2	300	N	--	200	1
CM47	34 30 47	84 0 46	15	1.5	.05	.7	3,000	N	<10	500	1
CM47	34 30 47	84 0 46	7	1	2	.5	1,500	N	--	500	2
CM48	34 30 47	84 0 46	15	1.5	.01	1	>5,000	N	N	200	<1
CM48	34 30 47	84 0 46	5	1	.7	.3	1,500	N	--	70	N
CM53	34 30 55	84 0 33	2	.05	N	.7	1,000	N	<10	1,000	1
CM53	34 30 55	84 0 33	1	.7	.005	.15	300	N	--	700	N
CM54	34 30 55	84 0 33	1.5	.7	.02	.3	200	N	--	700	1
CM54	34 30 55	84 0 33	3	.07	N	.3	700	N	N	700	1.5
CM55	34 30 55	84 0 33	2	1	.15	.3	300	N	--	700	3
CM55	34 30 55	84 0 33	3	.07	.05	.3	1,000	N	N	700	3
CM60	34 30 35	84 4 22	3	.5	<.02	.3	700	N	20	300	1
CM61	34 32 49	84 7 18	3	.03	<.02	.3	500	N	N	50	<1
CM62	34 32 49	84 7 18	.3	<.02	<.02	.05	300	N	<10	30	<1
CM63	34 32 55	84 6 28	3	.5	<.02	.3	500	N	<10	300	1
CM64	34 32 51	84 5 16	3	.5	<.02	.3	700	N	<10	300	1
CM65	34 33 20	84 4 27	.5	.7	<.02	.5	1,000	N	100	500	1
CM66	34 33 20	84 4 27	.2	<.02	<.02	.02	50	N	N	N	N
CM67	34 31 46	84 3 23	3	.3	<.02	.5	700	N	10	500	1
CM68	34 31 46	84 3 23	.1	<.02	<.02	.005	30	N	N	N	N

Table 2. - Analyses of rock and saprolite samples.--Continued

Sample	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sc-ppm s	Sr-ppm s
AY1	N	1	5	50	N	10	N	20	--	100
AY2	3	1	50	N	N	15	N	20	--	100
AY3	3	1	10	N	N	<10	N	15	--	200
AY4	20	150	50	20	N	15	20	30	15	100
AY5	N	<10	20	30	N	10	5	15	<5	<100
AY6	N	N	15	30	N	10	15	30	<5	N
AY7	30	N	100	20	N	<10	15	30	70	<100
AY8	30	150	30	70	N	20	70	30	30	N
BD1	15	50	20	N	N	10	20	15	10	N
BD2	20	100	5	50	N	15	70	15	10	N
BD3	50	20	50	N	<5	20	10	10	10	N
BD4	5	10	30	<30	N	<10	10	50	--	10
BD5	7	70	100	N	N	<10	15	30	--	5
BD6	150	7	70	N	N	N	5	10	--	5
BD7	7	100	70	N	N	10	15	20	--	5
BD8	N	10	5	N	N	10	3	10	--	N
BD9	10	150	150	30	N	10	50	50	--	7
CM01	15	30	50	N	N	10	20	20	--	15
CM01	15	70	50	20	N	20	30	50	15	50
CM02	30	70	70	150	N	15	30	20	--	70
CM02	20	100	50	150	N	20	30	50	30	50
CM03	30	150	70	100	N	20	50	50	20	100
CM03	30	70	50	70	N	20	30	30	--	70
CM04	50	300	100	N	N	<10	70	50	70	700
CM04	30	150	100	N	N	<10	30	30	--	200
CM06	50	100	30	N	N	10	20	15	50	100
CM06	30	50	30	N	N	N	20	20	--	70
CM13	5	N	10	100	N	30	2	50	30	70
CM13	5	2	7	70	N	30	10	30	--	30
CM14	N	N	20	30	N	20	2	50	30	70
CM14	N	7	20	50	N	30	7	30	--	20
CM17	5	2	30	30	N	15	5	70	--	7
CM17	5	N	30	50	N	20	2	100	30	<50
CM18	5	N	10	20	N	10	<2	30	5	N
CM18	3	1	5	N	N	<10	N	10	--	N
CM22	50	100	70	50	N	15	50	20	50	N
CM22	30	70	70	50	N	10	30	15	--	5
CM44	20	10	10	20	N	10	15	20	5	100
CM44	15	5	5	N	N	N	10	20	--	150
CM46	30	20	70	30	N	10	15	20	15	70
CM46	30	30	70	30	N	N	10	20	--	30
CM47	50	300	300	20	N	15	50	30	70	300
CM47	30	200	200	N	N	10	50	15	--	200
CM48	100	200	300	N	N	10	70	30	70	100
CM48	50	150	200	N	N	N	50	15	--	70
CM53	30	10	10	N	N	15	5	30	10	<50
CM53	30	10	20	N	N	10	5	15	--	10
CM54	15	15	30	30	N	15	15	20	--	15
CM54	20	15	10	20	N	15	15	20	20	<50
CM55	20	15	30	50	N	15	10	20	--	30
CM55	20	10	10	50	N	10	5	20	20	50
CM60	20	30	30	N	N	10	10	20	7	N
CM61	15	5	20	N	N	10	10	30	N	N
CM62	15	<5	<2	N	N	<10	5	<10	10	N
CM63	15	20	50	30	5	20	70	10	7	N
CM64	20	30	20	20	N	10	50	15	20	N
CM65	20	70	30	N	<5	20	70	15	N	N
CM66	10	<5	<2	N	N	<10	<5	N	15	N
CM67	20	150	30	N	N	20	30	70	N	50
CM68	5	<5	<2	N	N	<10	5	N	15	N

Table 2. - Analyses of rock and saprolite samples.--Continued

Sample	V-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Au-ppm aa	Hg-ppm inst	As-ppm aa	Zn-ppm aa	Cu-ppm aa	Pb-ppm aa	Mo-ppm aa
AY1	15	50	N	100	.08	.44	<10	25	<10	<25	--
AY2	20	50	N	100	.03	.75	<10	25	25	<25	--
AY3	50	20	N	70	.04	.29	<10	80	10	<25	--
AY4	150	30	N	300	N	--	--	52	18	10	2
AY5	10	30	N	70	N	--	--	5	<5	<5	<2
AY6	10	20	N	70	N	--	--	15	<5	12	<2
AY7	500	30	200	70	N	--	--	160	37	12	2
AY8	200	30	N	500	N	--	--	33	12	16	<2
BD1	70	15	N	200	N		--	45	26	12	3
BD2	70	20	<200	200	N		--	66	8	12	3
BD3	200	10	<200	150	N		--	51	53	12	4
BD4	30	<10	N	500	<.02	.83	<10	<25	19	<25	--
BD5	150	10	N	70	<.02	.9	<10	130	50	<25	--
BD6	20	<10	N	200	<.02	1	<10	<25	25	<25	--
BD7	150	15	N	70	<.02	.95	<10	50	25	<25	--
BD8	30	N	N	150	<.02	.75	<10	<25	14	<25	--
BD9	200	30	N	70	<.02	1.1	<10	100	80	<25	--
CM01	70	20	N	300	N	--	<10	60	15	<25	--
CM01	100	30	N	500	N	--	--	--	--	--	--
CM02	100	200	N	300	N	--	<10	74	18	<25	--
CM02	100	150	N	500	.02	--	--	--	--	--	--
CM03	150	70	N	300	N	--	--	--	--	--	--
CM03	150	70	N	300	N	--	<10	77	17	<25	--
CM04	300	50	N	100	.04	--	--	--	--	--	--
CM04	200	50	N	70	N	--	<10	36	40	<25	--
CM06	300	50	N	100	N	--	--	--	--	--	--
CM06	150	30	N	50	N	--	<10	25	10	<25	--
CM13	20	70	N	700	.02	--	--	--	--	--	--
CM13	15	150	N	500	N	--	<10	<25	<10	<25	--
CM14	50	150	N	700	N	--	--	--	--	--	--
CM14	50	200	N	700	N	--	20	<25	<10	<25	--
CM17	20	100	N	500	N	--	<10	<25	15	30	--
CM17	30	100	N	700	.04	--	--	--	--	--	--
CM18	20	30	N	150	N	--	--	--	--	--	--
CM18	N	200	N	100	N	--	<10	<25	<10	25	--
CM22	500	100	N	500	.02	--	--	--	--	--	--
CM22	150	70	N	300	N	--	<10	120	27	<25	--
CM44	50	<10	N	150	.04	--	--	--	--	--	--
CM44	50	N	N	150	N	--	<10	<25	<10	<25	--
CM46	200	30	N	150	.3	--	--	--	--	--	--
CM46	70	20	N	150	.1	--	<10	<25	90	<25	--
CM47	700	70	N	150	1.7	--	--	--	--	--	--
CM47	300	70	N	150	2.2	--	<10	45	200	<25	--
CM48	500	50	N	150	.04	--	--	--	--	--	--
CM48	200	30	N	70	.07	--	<10	72	170	<25	--
CM53	100	50	N	200	.04	--	--	--	--	--	--
CM53	70	30	N	150	.06	--	20	25	<10	<25	--
CM54	70	70	N	300	.3	--	<10	61	11	<25	--
CM54	100	70	N	300	N	--	--	--	--	--	--
CM55	70	70	N	500	.07	--	<10	70	10	<25	--
CM55	100	50	N	300	.1	--	--	--	--	--	--
CM60	50	15	N	200	N		--	47	32	18	4
CM61	20	<10	N	300	N		--	12	18	50	4
CM62	<10	N	N	100	N		--	<5	<5	16	3
CM63	70	20	N	200	N		--	75	60	18	8
CM64	70	50	N	200	N		--	86	25	22	4
CM65	100	15	<200	200	N		--	44	29	14	4
CM66	<10	N	N	N	N		--	<5	<5	<5	4
CM67	70	N	N	300	N		--	8	22	30	3
CM68	<10	N	N	N	N		--	<5	<5	<5	4

Table 2. - Analyses of rock and saprolite samples.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	B-ppm s	Ba-ppm s	Be-ppm s
CE1	34 18 40	83 59 40	.2	<.005	.01	.02	15	N	--	20	N
CE2	34 18 40	83 59 40	2	.015	.007	.1	20	N	--	70	N
CL01	34 35 3	83 50 25	3	.5	.01	.2	10,000	N	--	200	1
CL01	34 35 3	83 50 25	5	.7	<.05	.5	>5,000	N	10	500	1
CL02	34 35 3	83 50 25	10	1	<.05	1	1,000	N	150	300	1.5
CL02	34 35 3	83 50 25	5	.7	.05	.3	700	N	--	200	2
CL05	34 34 34	83 50 15	7	.7	<.05	.7	1,000	N	150	200	1.5
CL05	34 34 34	83 50 15	3	.7	.01	.3	700	N	--	150	1.5
CL09	34 34 7	83 51 23	3	.5	.1	.15	700	N	--	150	N
CL09	34 34 7	83 51 23	1	.2	.07	.15	500	N	N	100	1
CL12	34 36 42	83 46 35	.7	.5	.3	.1	300	N	--	500	2
CL12	34 36 42	83 46 35	1	.3	.5	.15	700	N	N	300	2
CL14	34 36 47	83 47 6	3	.05	N	.5	500	N	N	100	1.5
CL14	34 36 47	83 47 6	2	.07	.005	.3	300	N	--	50	2
CL15	34 36 47	83 47 9	5	.7	N	.7	1,000	N	N	300	1.5
CL15	34 36 47	83 47 9	3	.2	.007	.3	700	N	--	150	1
CL16	34 36 48	83 47 13	3	.5	.01	.3	1,000	N	--	300	1
CL16	34 36 48	83 47 13	5	1	N	.7	1,000	N	N	500	1.5
CL17	34 36 50	83 47 22	1.5	.5	1.5	.3	300	N	N	1,500	1
CL17	34 36 50	83 47 22	1	.5	3	.2	200	N	--	1,500	1
CL18	34 36 48	83 47 34	3	.5	.007	.3	500	N	--	200	1
CL18	34 36 48	83 47 34	2	.7	N	.5	700	N	N	300	1.5
CL19	34 36 48	83 47 35	3	.2	.3	.3	700	N	--	70	1
CL19	34 36 48	83 47 35	3	.07	.1	.3	500	N	N	50	1
CL20	34 36 48	83 47 35	3	.15	.07	.2	500	N	--	30	N
CL20	34 36 48	83 47 35	2	.05	<.05	.3	500	N	N	30	1
CL22	34 36 53	83 47 43	10	3	3	.5	3,000	N	N	20	N
CL22	34 36 53	83 47 43	7	3	3	.5	2,000	N	--	15	N
CL23	34 36 53	83 47 43	7	1	2	.3	1,000	N	N	500	1
CL23	34 36 53	83 47 43	3	1.5	3	.2	700	N	--	300	2
CL24	34 37 3	83 47 52	10	.07	<.05	.5	2,000	N	15	30	2
CL24	34 37 3	83 47 52	7	.2	.1	.3	1,500	N	--	30	2
CL25	34 37 4	83 47 53	5	.5	.1	.3	1,000	N	--	300	1
CL25	34 37 4	83 47 53	7	.7	<.05	.5	1,000	N	100	500	1
CL26	34 37 13	83 48 0	10	.7	N	.7	2,000	N	10	700	1.5
CL26	34 37 13	83 48 0	7	.5	.005	.3	1,500	N	--	300	2
CL27	34 37 19	83 48 6	5	.7	<.05	.5	700	N	N	500	1
CL27	34 37 19	83 48 6	3	.7	.1	.3	500	N	--	300	1
CL28	34 37 30	83 48 24	3	1	1.5	.5	700	N	--	700	3
CL28	34 37 30	83 48 24	7	1.5	1.5	.7	1,000	N	N	700	2
CL29	34 37 30	83 48 24	3	.7	2	.2	700	N	--	300	2
CL29	34 37 30	83 48 24	5	1	1.5	.5	1,000	N	N	500	2
CL33	34 35 10	83 50 30	3	.3	.03	.3	700	N	--	150	N
CL33	34 35 10	83 50 30	5	.5	N	.7	1,000	N	20	300	1
CL34	34 35 18	83 50 35	3	.5	.007	.3	700	N	--	500	N
CL34	34 35 18	83 50 35	2	1	N	.7	1,000	N	N	500	1.5
CL35	34 35 18	83 50 35	5	.7	.01	.3	300	N	--	700	1
CL35	34 35 18	83 50 35	2	.7	N	.5	700	N	N	700	1.5
CL36	34 35 27	83 50 47	5	.7	.07	.3	1,000	N	--	700	2
CL36	34 35 27	83 50 47	5	1	N	.7	1,500	N	50	500	1.5
CL37	34 35 32	83 51 4	5	1.5	1	.3	700	N	N	700	1
CL37	34 35 32	83 51 4	3	1	1.5	.3	500	N	--	500	3
CL38	34 35 32	83 51 4	3	.7	3	.3	500	N	--	700	2
CL38	34 35 32	83 51 4	5	.7	1.5	.5	700	N	N	700	1
CL40	34 35 49	83 51 19	3	1	.07	.3	1,500	N	--	700	3
CL40	34 35 49	83 51 19	5	1	<.05	.5	1,500	N	N	500	2
CL42	34 36 11	83 51 23	3	1	.007	.2	500	N	--	700	3
CL42	34 36 11	83 51 23	10	1.5	<.05	.3	700	N	10	1,000	2
CL45	34 36 44	83 51 3	3	1	<.05	.5	700	N	10	500	1
CL45	34 36 44	83 51 3	3	1	.03	.3	1,000	N	--	500	2

Table 2. - Analyses of rock and saprolite samples.--Continued

Sample	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sc-ppm s	Sr-ppm s
CE1	N	1	2	N	N	10	N	N	--	N
CE2	N	7	15	N	N	N	N	10	--	N
CL01	30	15	150	50	N	<10	30	30	--	N
CL01	70	50	200	100	N	10	50	70	15	N
CL02	100	70	30	100	N	15	100	50	15	N
CL02	50	70	70	100	N	15	70	20	--	30
CL05	50	50	30	100	N	10	50	50	20	N
CL05	30	50	100	70	N	10	30	15	--	20
CL09	30	10	30	N	N	<10	7	15	--	5
CL09	10	10	10	N	N	<10	N	20	20	N
CL12	15	10	1.5	70	N	<10	10	30	--	200
CL12	15	10	10	70	N	<10	5	70	<5	200
CL14	10	20	15	N	N	10	5	50	5	N
CL14	5	15	30	N	N	10	5	30	--	15
CL15	70	50	50	50	N	10	10	50	15	N
CL15	30	30	70	50	N	<10	15	50	--	5
CL16	30	50	70	150	N	<10	30	30	--	15
CL16	20	70	70	150	N	10	30	70	10	N
CL17	5	N	10	70	N	N	2	50	5	2,000
CL17	3	5	1	100	N	N	3	20	--	1,000
CL18	20	50	30	150	N	<10	30	20	--	15
CL18	15	50	10	150	N	10	30	20	10	N
CL19	30	50	70	N	N	10	30	10	--	15
CL19	15	50	20	N	N	10	20	15	20	N
CL20	20	30	70	N	N	10	10	20	--	N
CL20	10	30	20	N	N	<10	5	20	20	N
CL22	100	70	300	N	N	<10	30	20	50	200
CL22	30	50	300	N	N	N	30	15	--	150
CL23	15	20	10	20	N	10	5	50	30	300
CL23	20	15	15	N	N	<10	10	20	--	150
CL24	70	200	100	30	N	10	50	10	50	N
CL24	30	100	150	30	N	N	50	N	--	N
CL25	30	70	70	150	N	10	30	20	--	100
CL25	70	70	30	100	N	15	50	20	15	50
CL26	100	70	500	100	N	10	50	50	20	N
CL26	30	70	700	100	N	10	30	30	--	30
CL27	10	70	30	70	N	10	50	20	10	N
CL27	20	70	70	70	N	10	30	20	--	30
CL28	20	70	70	100	N	10	30	30	--	200
CL28	15	100	150	100	N	10	50	50	20	500
CL29	30	30	150	70	N	10	30	30	--	150
CL29	70	50	70	70	N	15	50	50	15	300
CL33	15	50	70	30	N	10	30	30	--	20
CL33	15	70	50	50	N	10	30	50	20	N
CL34	15	30	200	70	N	10	30	15	--	15
CL34	15	50	300	100	N	10	30	30	15	N
CL35	20	50	700	150	N	10	20	30	--	30
CL35	15	50	500	150	10	10	10	70	15	N
CL36	30	50	70	150	N	10	30	30	--	70
CL36	50	50	50	150	N	10	50	50	20	50
CL37	20	70	50	70	N	10	30	50	15	700
CL37	15	30	30	70	N	10	20	20	--	200
CL38	30	30	30	N	N	10	20	20	--	300
CL38	50	50	30	20	N	15	30	30	15	700
CL40	70	70	70	150	N	10	50	30	--	50
CL40	150	70	30	100	N	15	50	50	15	50
CL42	20	70	100	30	N	<10	30	30	--	30
CL42	50	100	150	20	N	15	50	70	30	N
CL45	50	50	30	50	N	10	30	30	10	N
CL45	30	50	30	70	N	10	30	15	--	30

Table 2. - Analyses of rock and saprolite samples.--Continued

Sample	V-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Au-ppm aa	Hg-ppm inst	As-ppm aa	Zn-ppm aa	Cu-ppm aa	Pb-ppm aa	Mo-ppm aa
CE1	N	N	N	150	<.02	.7	<10	<25	15	<25	--
CE2	30	N	N	300	<.02	.69	<10	<25	<10	<25	--
CL01	70	30	N	100	N	--	60	130	35	<25	--
CL01	100	70	N	100	N	--	--	--	--	--	--
CL02	100	70	N	200	N	--	--	--	--	--	--
CL02	100	30	N	300	N	--	<10	150	21	<25	--
CL05	100	100	N	200	N	--	--	--	--	--	--
CL05	100	70	N	150	N	--	<10	150	31	<25	--
CL09	70	20	N	150	N	--	<10	130	55	<25	--
CL09	50	20	N	150	N	--	--	--	--	--	--
CL12	30	20	N	300	N	--	10	47	<10	<25	--
CL12	30	20	N	200	N	--	--	--	--	--	--
CL14	70	10	N	300	N	--	--	--	--	--	--
CL14	70	15	N	200	N	--	<10	<25	<10	<25	--
CL15	100	70	N	700	.02	--	--	--	--	--	--
CL15	70	70	N	300	N	--	10	120	23	<25	--
CL16	70	150	N	300	N	--	<10	120	26	<25	--
CL16	100	150	N	500	.02	--	--	--	--	--	--
CL17	70	10	N	150	N	--	--	--	--	--	--
CL17	50	15	N	200	N	--	<10	42	<10	<25	--
CL18	70	50	N	200	N	--	<10	160	10	<25	--
CL18	100	50	N	200	.02	--	--	--	--	--	--
CL19	150	15	N	100	N	--	<10	25	11	<25	--
CL19	100	10	N	200	N	--	--	--	--	--	--
CL20	150	10	N	200	N	--	<10	<25	14	<25	--
CL20	100	10	N	150	N	--	--	--	--	--	--
CL22	300	20	1,500	70	N	--	--	--	--	--	--
CL22	300	50	2,000	70	N	--	10	1,200	280	<25	--
CL23	150	20	N	150	N	--	--	--	--	--	--
CL23	100	30	N	150	N	--	10	72	15	<25	--
CL24	300	50	N	50	.02	--	--	--	--	--	--
CL24	300	150	N	50	N	--	10	52	35	<25	--
CL25	70	100	N	200	N	--	<10	93	28	<25	--
CL25	150	50	N	200	N	--	--	--	--	--	--
CL26	100	100	N	300	N	--	--	--	--	--	--
CL26	70	150	N	200	N	--	<10	66	750	<25	--
CL27	70	50	N	300	N	--	--	--	--	--	--
CL27	70	70	N	300	N	--	<10	130	19	<25	--
CL28	70	150	N	300	.05	--	<10	110	32	<25	--
CL28	100	100	N	200	N	--	--	--	--	--	--
CL29	70	100	N	150	N	--	<10	75	50	<25	--
CL29	70	70	N	700	.08	--	--	--	--	--	--
CL33	70	15	N	200	N	--	<10	52	24	<25	--
CL33	100	50	N	200	N	--	--	--	--	--	--
CL34	70	100	N	300	N	--	<10	160	150	<25	--
CL34	70	70	N	500	N	--	--	--	--	--	--
CL35	70	100	N	100	N	--	<10	190	900	<25	--
CL35	100	70	N	150	.02	--	--	--	--	--	--
CL36	70	100	N	100	N	--	<10	140	26	<25	--
CL36	70	50	N	150	N	--	--	--	--	--	--
CL37	100	70	N	200	N	--	--	--	--	--	--
CL37	70	70	N	300	N	--	<10	100	22	<25	--
CL38	70	30	N	300	N	--	<10	64	<25	<25	--
CL38	100	50	N	500	.02	--	--	--	--	--	--
CL40	70	150	N	300	N	--	<10	210	17	<25	--
CL40	100	100	<200	300	.02	--	--	--	--	--	--
CL42	100	30	N	150	N	--	<10	110	47	<25	--
CL42	100	50	<200	150	.04	--	--	--	--	--	--
CL45	70	70	N	500	N	--	--	--	--	--	--
CL45	70	150	N	300	N	--	<10	100	12	<25	--

Table 2. - Analyses of rock and saprolite samples.--Continued

Sample	Latitude	Longitude	Fe-pct.	Mg-pct.	Ca-pct.	Ti-pct.	Mn-ppm	Ag-ppm	B-ppm	Ba-ppm	Be-ppm
			s	s	s	s	s	s	s	s	s
CL46	34 37 6	83 50 56	10	1	<.05	.5	700	N	20	500	2
CL46	34 37 6	83 50 56	3	1	.05	.3	700	N	--	500	3
CL48	34 0 24	83 51 53	3	1	.05	.3	1,500	N	--	500	3
CL48	34 0 24	83 51 53	2	.5	<.05	.3	1,000	N	15	300	1.5
CL51	34 36 57	83 52 14	5	.1	N	.5	200	N	N	200	2
CL51	34 36 57	83 52 14	3	.15	.007	.3	200	N	--	150	2
CL55	34 34 50	83 52 0	5	.3	.7	.15	1,500	N	--	150	1
CL55	34 34 50	83 52 0	7	1	.15	.2	1,000	N	50	150	<1
CL56	34 34 50	83 52 0	5	1	<.05	.2	500	N	150	300	1.5
CL56	34 34 50	83 52 0	3	.3	.05	.15	300	N	--	150	N
CL57	34 34 46	83 52 6	7	1	<.05	.7	200	N	100	1,000	3
CL57	34 34 46	83 52 6	5	.7	.07	.7	300	N	--	700	3
CMT01	34 22 26	84 6 52	7	1.5	.3	.5	500	N	--	1,000	3
CMT02	34 22 26	84 6 52	3	.7	1.5	.5	700	N	--	700	1.5
CMT03	34 15 1	84 7 7	.2	.01	.01	.15	5	N	--	50	N
CMT04	34 15 9	84 7 7	.2	<.005	.007	.05	5	N	--	30	N
CMT05	34 15 19	84 6 6	.7	.01	.01	.15	3	N	--	70	N
CMT06	34 15 20	84 6 6	.7	<.005	.01	.03	10	N	--	100	N
CMT07	34 15 21	84 6 4	3	.01	.007	.15	100	N	--	50	N
CMT08	34 18 24	84 1 10	.7	.01	.007	.15	20	N	--	100	N
CMT09	34 18 35	84 1 51	5	.01	.005	.15	200	N	--	50	N
CMT10	34 18 34	84 1 50	.7	.015	.007	.05	30	N	--	100	N
CMT11	34 18 32	84 1 49	.7	.01	.01	.07	30	N	--	100	N
CMT12	34 16 50	84 1 38	5	<.005	.007	.05	5	N	--	20	N
CMT13	34 21 48	84 6 47	1.5	.2	.1	.07	200	N	--	500	1.5
CMT14	34 21 48	84 6 47	7	1	.03	.5	700	N	--	700	1.5
C05	34 39 10	83 45 50	5	.5	.07	.3	100	N	--	1,000	1
C05	34 39 10	83 45 50	5	.5	N	.3	100	N	N	500	<1
C08	34 39 40	83 46 14	5	.2	N	.3	700	N	N	300	2
C08	34 39 40	83 46 14	5	.3	.007	.3	1,000	N	--	500	1
C09	34 39 50	83 46 17	5	1	N	.5	700	N	N	500	2
C09	34 39 50	83 46 17	3	.7	.007	.3	700	N	--	700	1
C11	34 40 14	83 46 24	3	.7	.01	.3	1,500	N	--	500	1
C11	34 40 14	83 46 24	10	.7	<.05	.5	1,000	N	N	500	2
C12	34 40 14	83 46 24	3	.3	.005	.5	500	N	--	150	N
C12	34 40 14	83 46 24	5	.5	N	.5	700	N	N	200	2
C13	34 40 17	83 46 35	3	1	.3	.7	500	N	--	1,500	1
C13	34 40 17	83 46 35	3	.7	.07	.3	300	N	N	1,000	1
C14	34 40 20	83 46 37	5	.5	.05	.5	2,000	N	--	500	2
C14	34 40 20	83 46 37	5	.07	N	.3	2,000	N	N	500	2
C16	34 41 18	83 46 9	3	.7	.05	.3	500	N	--	700	1.5
C16	34 41 18	83 46 9	7	2	N	.5	700	N	<10	1,000	2
C17	34 41 43	83 46 14	2	.5	.2	.3	700	N	--	1,500	2
C17	34 41 43	83 46 14	3	.7	.05	.5	1,500	N	N	1,500	2
C18	34 41 45	83 46 30	3	.7	.7	.5	500	N	--	1,000	2
C18	34 41 45	83 46 30	5	1	.5	.5	500	N	N	1,000	1
C19	34 40 3	83 46 55	10	.5	N	.3	1,500	N	<10	1,000	2
C19	34 40 3	83 46 55	7	.7	.05	.3	1,500	N	--	700	3
C20	34 39 45	83 46 14	.2	.02	N	.05	20	N	N	20	1.5
C20	34 39 45	83 46 14	.3	.02	<.005	.01	100	N	--	20	3
C21	34 39 45	83 47 14	3	.7	<.05	.5	700	N	N	300	3
C21	34 39 45	83 47 14	2	.2	.01	.3	500	N	--	150	2
C26	34 38 37	83 47 25	5	.02	<.05	.7	700	N	<10	200	1
C26	34 38 37	83 47 25	3	.015	<.005	.3	700	N	--	100	1
C29	34 37 37	83 48 35	5	2	1	.5	1,000	N	<10	700	3
C29	34 37 37	83 48 35	3	1.5	1	.5	1,000	N	--	700	3
C30	34 37 35	83 48 32	.7	.03	<.005	.02	100	N	--	50	N
C30	34 37 35	83 48 32	1	.02	<.05	.05	300	N	N	100	<1
C31	34 37 41	83 48 43	5	1	.05	.5	1,500	N	--	700	2
C31	34 37 41	83 48 43	7	1.5	N	.7	1,000	N	10	1,000	1.5

Table 2. - Analyses of rock and saprolite samples.--Continued

Sample	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sc-ppm s	Sr-ppm s
CL46	50	100	50	150	N	20	50	50	20	70
CL46	30	50	50	150	N	20	30	20	--	70
CL48	20	30	30	150	N	20	50	30	--	15
CL48	20	50	30	100	N	15	30	50	10	N
CL51	10	100	30	<20	N	20	20	30	15	N
CL51	3	70	30	N	N	10	30	20	--	15
CL55	30	70	150	N	N	<10	30	15	--	15
CL55	50	100	150	<20	N	10	30	15	30	N
CL56	10	30	5	<20	N	10	2	10	20	N
CL56	7	15	10	N	N	<10	N	10	--	5
CL57	20	100	70	100	N	20	30	50	20	50
CL57	20	10	50	70	N	15	20	20	--	70
CMT01	15	70	30	100	N	30	30	70	--	150
CMT02	7	30	20	50	N	10	10	30	--	100
CMT03	N	5	2	N	N	10	3	10	--	N
CMT04	N	2	<1	N	N	N	N	10	--	N
CMT05	N	7	5	N	N	N	N	10	--	N
CMT06	N	3	10	70	N	N	N	10	--	N
CMT07	5	70	30	N	N	N	20	10	--	5
CMT08	N	15	2	N	N	10	7	N	--	5
CMT09	7	30	50	N	N	N	7	15	--	5
CMT10	N	1	7	N	N	N	N	N	--	5
CMT11	N	1	7	N	N	N	3	N	--	5
CMT12	N	15	10	N	N	N	N	N	--	N
CMT13	N	1.5	2	30	N	10	N	50	--	70
CMT14	15	100	20	50	N	10	50	20	--	500
C05	N	50	200	150	5	15	15	100	--	15
C05	N	50	200	50	N	10	2	200	10	N
C08	30	70	100	20	N	10	20	70	15	N
C08	30	70	100	N	N	15	20	50	--	15
C09	30	70	150	20	N	15	30	50	20	N
C09	20	70	150	N	N	10	30	20	--	20
C11	30	30	100	N	N	10	30	70	--	15
C11	50	70	100	N	N	20	20	200	20	N
C12	10	30	50	N	N	10	20	30	--	5
C12	15	50	70	<20	N	20	20	50	15	N
C13	20	50	5	100	N	20	20	30	--	70
C13	10	30	5	30	N	20	5	30	10	<50
C14	150	70	150	70	7	15	50	70	--	30
C14	150	70	50	50	N	20	20	100	15	N
C16	15	50	70	100	N	10	30	30	--	30
C16	10	70	100	100	N	10	50	50	15	N
C17	15	30	20	100	N	10	10	20	--	150
C17	10	50	15	70	N	10	10	50	15	70
C18	15	30	30	70	N	15	15	20	--	150
C18	10	70	70	30	N	10	10	30	15	200
C19	50	70	300	100	30	15	30	100	20	N
C19	30	70	500	100	20	10	30	50	--	30
C20	N	N	5	<20	N	<10	N	50	N	N
C20	3	7	30	30	N	<10	10	30	--	10
C21	15	50	70	70	N	10	10	100	10	N
C21	10	30	70	30	N	<10	15	30	--	30
C26	20	100	70	70	N	15	100	100	20	N
C26	15	70	70	N	N	10	70	70	--	N
C29	30	70	70	70	N	15	20	100	20	200
C29	30	70	70	70	N	15	30	70	--	150
C30	3	5	20	N	N	N	3	N	--	N
C30	5	10	30	N	N	<10	N	N	N	N
C31	30	70	100	50	N	15	70	10	--	15
C31	30	100	100	70	N	20	70	20	20	N

Table 2. - Analyses of rock and saprolite samples.--Continued

Sample	V-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Au-ppm aa	Hg-ppm inst	As-ppm aa	Zn-ppm aa	Cu-ppm aa	Pb-ppm aa	Mo-ppm aa
CL46	70	70	<200	200	N	--	--	--	--	--	--
CL46	70	70	N	300	N	--	<10	160	20	<25	--
CL48	70	150	N	300	N	--	<10	130	<10	<25	--
CL48	50	70	<200	300	N	--	--	--	--	--	--
CL51	100	10	N	1,000	N	--	--	--	--	--	--
CL51	70	10	N	300	N	--	<10	<25	<10	<25	--
CL55	150	30	N	30	N	--	<10	90	36	<25	--
CL55	150	20	N	100	.06	--	--	--	--	--	--
CL56	20	50	N	150	N	--	--	--	--	--	--
CL56	15	30	N	100	N	--	<10	120	<10	<25	--
CL57	100	50	<200	300	.04	--	--	--	--	--	--
CL57	150	70	N	300	N	--	40	64	21	<25	--
CMT01	150	70	N	300	<.02	.9	20	25	25	<25	--
CMT02	70	70	N	700	<.02	.8	<10	30	15	<25	--
CMT03	10	N	N	300	.03	.8	<10	<25	<10	<25	--
CMT04	7	<10	N	200	.03	.6	<10	<25	<10	<25	--
CMT05	10	N	N	150	.02	.58	<10	<25	<10	<25	--
CMT06	N	N	N	150	<.02	.69	<10	<25	<10	<25	--
CMT07	70	10	N	100	<.02	1.1	<10	<25	10	<25	--
CMT08	30	<10	N	500	.02	.85	<10	25	<10	<25	--
CMT09	70	<10	N	50	<.02	.95	<10	<25	10	<25	--
CMT10	10	N	N	150	.03	.85	<10	<25	10	<25	--
CMT11	7	N	N	100	<.02	.8	<10	<25	<10	<25	--
CMT12	50	N	N	10	<.02	.7	<10	<25	<10	<25	--
CMT13	10	30	N	100	N	--	<10	<25	<24	45	4
CMT14	150	30	N	150	N	--	10	120	<24	25	<2
C05	70	100	N	500	.08	--	20	<25	110	36	--
C05	50	50	N	300	.06	--	--	--	--	--	--
C08	100	15	N	200	.04	--	--	--	--	--	--
C08	100	30	N	300	N	--	<10	38	34	34	--
C09	100	30	N	200	.1	--	--	--	--	--	--
C09	70	30	N	200	N	--	<10	140	47	<25	--
C11	70	30	N	200	N	--	<10	95	26	160	--
C11	100	50	N	500	N	--	--	--	--	--	--
C12	70	30	N	300	N	--	<10	45	14	41	--
C12	100	30	N	300	.02	--	--	--	--	--	--
C13	70	150	N	500	N	--	<10	85	<10	<25	--
C13	70	50	N	300	N	--	--	--	--	--	--
C14	70	70	N	200	N	--	<10	47	40	210	--
C14	100	30	N	150	N	--	--	--	--	--	--
C16	70	150	N	300	N	--	<10	110	14	<25	--
C16	100	100	N	700	N	--	--	--	--	--	--
C17	70	150	N	1,000	N	--	<10	83	<10	<25	--
C17	70	70	N	700	N	--	--	--	--	--	--
C18	70	100	N	300	N	--	<10	93	21	<25	--
C18	100	50	N	700	.02	--	--	--	--	--	--
C19	100	100	200	150	N	--	--	--	--	--	--
C19	70	100	N	150	N	--	<10	220	500	39	--
C20	10	N	N	150	N	--	--	--	--	--	--
C20	N	30	N	30	N	--	<10	<25	<10	<25	--
C21	50	100	N	1,000	N	--	--	--	--	--	--
C21	50	150	N	300	N	--	<10	44	11	29	--
C26	100	20	N	700	N	--	--	--	--	--	--
C26	70	30	N	300	N	--	<10	26	15	100	--
C29	100	100	N	500	N	--	--	--	--	--	--
C29	150	150	N	300	N	--	<10	150	28	32	--
C30	N	N	N	20	N	--	<10	<25	20	<25	--
C30	10	N	N	<10	.04	--	--	--	--	--	--
C31	150	30	N	300	N	--	<10	140	23	<25	--
C31	100	50	<200	500	N	--	--	--	--	--	--

Table 2. - Analyses of rock and saprolite samples.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	B-ppm s	Ba-ppm s	Be-ppm s
C33	34 37 52	83 49 7	10	1.5	.5	>1	500	N	10	1,500	1.5
C33	34 37 52	83 49 7	5	1.5	1	.7	300	N	--	700	3
C34	34 37 55	83 49 20	5	.7	.1	.5	1,500	N	--	700	3
C34	34 37 55	83 49 20	5	.5	<.05	.7	1,000	N	<10	500	2
C35	34 38 0	83 49 26	7	7	7	.7	2,000	N	--	70	7
C35	34 38 0	83 49 26	10	3	2	.7	1,500	N	<10	100	2
C36	34 38 5	83 49 35	5	.7	.15	.5	1,000	N	--	500	7
C36	34 38 5	83 49 35	10	1	<.05	.7	1,000	N	70	500	2
C37	34 38 30	83 50 12	3	1	N	.7	500	N	N	700	1
C37	34 38 30	83 50 12	3	1	.05	.7	700	N	--	700	N
C38	34 38 43	83 50 24	3	.5	.03	.3	1,000	N	--	500	1
C38	34 38 43	83 50 24	5	.3	N	.7	1,500	N	N	500	2
C42	34 38 12	83 51 35	7	.5	<.05	.7	2,000	N	10	300	2
C42	34 38 12	83 51 35	5	.7	.07	.3	1,500	N	--	500	2
CU01	34 11 9	84 8 27	1.5	.03	--	.1	100	N	--	500	N
CU02	34 11 9	84 8 27	.5	.02	--	.05	15	N	--	200	N
CU03	34 11 9	84 8 27	5	.3	--	.5	15	N	--	2,000	N
CU04	34 13 35	84 9 40	.7	.015	--	.1	30	N	--	200	N
CU05	34 13 38	84 9 50	.7	.015	.01	.05	300	N	--	150	N
CU06	34 13 38	84 9 50	3	.015	<.005	.7	50	N	--	50	N
CU07	34 13 41	84 10 2	.3	.05	.01	.15	7	<1	--	70	N
CU08	34 13 41	84 10 2	7	.05	.01	.05	50	N	--	70	N
CU09	34 13 41	84 10 2	.15	.02	.005	.05	30	N	--	30	N
CU10	34 13 43	84 10 4	1.5	.1	.01	.15	100	N	--	150	N
CU11	34 13 42	84 10 3	.2	.05	.01	.03	30	N	--	70	N
CU12	34 12 59	84 10 50	.5	.07	.01	.05	30	N	--	50	N
CU13	34 12 59	84 10 49	.3	.005	.01	.05	100	N	--	70	N
CU14	34 12 2	84 11 45	5	.005	.005	.7	20	N	--	15	N
CU15	34 12 2	84 11 46	7	.005	.007	.2	30	N	--	30	1
CU16	34 14 48	84 14 13	.3	.005	.007	.1	30	N	--	150	N
D001	34 31 26	83 58 27	20	.15	<.05	>1	1,500	<.5	<10	100	<1
D002	34 31 26	83 58 27	>10	.15	.07	.2	15,000	N	--	1,000	N
D003	34 31 26	83 58 27	10	.7	<.05	.5	>5,000	<.5	50	1,000	1.5
D004	34 31 26	83 58 27	>10	.3	.7	.2	100,000	N	--	200	N
D005	34 31 26	83 58 27	5	.2	.03	.1	5,000	N	--	300	N
D006	34 31 26	83 58 27	10	.7	<.05	.5	>5,000	<.5	30	1,000	1.5
D007	34 31 22	83 58 30	15	.15	<.05	>1	500	<.5	30	300	<1
D008	34 31 15	83 58 37	10	.7	<.05	1	1,000	<.5	<10	300	1
D009	34 31 14	83 58 37	10	2	.2	1	700	<.5	<10	500	1
D010	34 31 6	83 58 34	10	2	<.05	1	1,000	<.5	150	700	2
D011F	34 30 52	83 58 32	10	2	1.5	1	300	<.5	<10	1,000	1
D011S	34 30 52	83 58 32	10	2	1	1	500	<.5	<10	500	1
D012	34 30 34	83 58 31	15	2	.1	1	>5,000	<.5	<10	700	1.5
D013	34 30 29	83 58 28	7	1	.3	.2	15,000	N	--	500	N
D014	34 30 25	83 58 22	5	1	.005	.3	150	N	--	500	1
D015	34 30 24	83 58 14	10	2	.7	1	500	<.5	70	700	1.5
D016	34 30 24	83 58 17	7	1.5	2	.5	700	N	--	500	N
D017	34 30 32	83 58 14	10	2	1	1	500	<.5	30	700	1
D018	34 30 4	83 58 6	7	1.5	.15	.7	700	N	--	500	3
D019	34 35 10	83 58 13	5	.7	.007	.5	300	N	--	700	N
D021	34 36 29	83 58 12	15	.07	<.05	1	300	<.5	<10	200	2
D022	34 36 29	83 58 12	10	1	<.05	1	500	<.5	<10	300	1.5
D023	34 36 25	83 58 11	5	.7	.007	.3	500	N	--	200	N
D024	34 33 54	83 59 30	10	1.5	.3	.5	2,000	<.5	<10	200	1.5
D025	34 33 54	83 59 30	5	.2	.1	.2	1,000	<.5	<10	150	1
D026	34 33 54	83 59 30	15	1.5	<.05	.15	2,000	<.5	<10	150	3
D027	34 32 33	83 58 11	5	1.5	.05	.7	700	<.5	30	300	1
D028	34 32 33	83 58 11	1	.3	1.5	.1	150	<.5	<10	300	1.5
D031	34 33 0	83 53 10	1	.5	.05	.07	150	N	20	300	N
D032	34 33 0	83 53 10	2	.7	.005	.2	500	N	N	300	1

Table 2. - Analyses of rock and saprolite samples.--Continued

Sample	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sc-ppm s	Sr-ppm s
C33	20	150	150	150	N	15	50	70	30	500
C33	20	70	100	200	N	20	30	30	--	150
C34	30	70	200	150	N	15	30	30	--	30
C34	30	30	100	100	N	20	30	15	20	N
C35	30	150	70	N	N	<10	100	20	--	300
C35	50	200	70	N	N	<10	150	20	50	700
C36	30	70	50	200	N	15	30	30	--	70
C36	20	70	30	150	20	15	15	50	20	50
C37	10	70	150	50	N	20	10	20	30	<50
C37	15	70	150	100	N	20	30	15	--	30
C38	30	30	20	100	N	10	30	20	--	70
C38	100	50	5	50	N	20	20	20	30	N
C42	50	70	70	100	N	15	20	50	20	N
C42	30	70	100	150	N	15	30	30	--	30
CU01	N	10	10	N	N	N	5	15	--	N
CU02	N	2	N	N	N	N	N	10	--	N
CU03	N	100	70	30	N	10	7	30	--	15
CU04	N	7	2	N	N	10	5	20	--	N
CU05	5	3	<1	N	N	N	7	10	--	N
CU06	N	50	30	30	N	10	15	15	--	N
CU07	N	10	10	N	N	N	N	20	--	N
CU08	3	15	20	N	N	N	15	30	--	N
CU09	7	1	5	N	N	N	N	10	--	N
CU10	5	30	15	N	N	<10	15	30	--	70
CU11	7	2	2	N	N	N	N	N	--	N
CU12	3	2	5	N	N	N	N	30	--	N
CU13	30	2	3	N	N	N	N	10	--	N
CU14	N	70	7	100	N	10	N	10	--	N
CU15	N	30	20	N	N	10	15	30	--	N
CU16	7	7	10	N	N	15	3	10	--	N
D001	50	700	200	<20	<5	<10	150	<10	>100	<100
D002	150	30	300	50	N	N	200	70	--	15
D003	100	200	50	<20	<5	<10	50	50	70	<100
D004	20	30	200	50	N	N	100	70	--	20
D005	15	20	150	30	N	N	20	50	--	10
D006	50	50	70	50	<5	<10	30	20	15	<100
D007	5	150	70	20	<5	<10	50	10	50	<100
D008	30	150	70	30	<5	<10	100	15	70	<100
D009	50	200	50	50	<5	<10	70	20	50	<100
D010	100	150	70	50	<5	<10	70	20	30	<100
D011F	70	150	50	20	<5	<10	100	15	50	200
D011S	30	150	50	30	<5	<10	70	10	20	100
D012	10	150	70	50	<5	<10	100	20	50	<100
D013	30	30	5	50	N	N	20	15	--	50
D014	15	70	70	N	N	N	30	20	--	300
D015	20	100	50	20	<5	<10	30	15	20	150
D016	15	70	70	N	N	N	30	15	--	100
D017	<5	150	70	30	<5	<10	20	10	30	100
D018	15	100	70	100	N	10	50	30	--	30
D019	15	50	20	N	N	N	20	10	--	300
D021	50	700	100	<20	<5	<10	150	10	70	<100
D022	50	200	150	150	<5	20	100	20	30	<100
D023	15	30	200	30	N	N	15	15	--	10
D024	30	20	50	20	<5	<10	10	15	50	<100
D025	<5	<10	20	20	<5	<10	5	10	15	<100
D026	50	200	150	20	<5	<10	30	<10	70	<100
D027	20	70	30	50	<5	<10	30	<10	20	<100
D028	50	10	10	20	<5	<10	5	20	<5	700
D031	7	5	5	N	N	N	3	20	15	5
D032	15	30	70	70	N	10	30	30	10	5

Table 2. - Analyses of rock and saprolite samples.--Continued

Sample	V-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Au-ppm aa	Hg-ppm inst	As-ppm aa	Zn-ppm aa	Cu-ppm aa	Pb-ppm aa	Mo-ppm aa
C33	150	100	<200	200	N	--	--	--	--	--	--
C33	150	150	N	300	N	--	<10	90	40	<25	--
C34	100	150	N	300	N	--	<10	160	150	<25	--
C34	100	100	N	500	N	--	--	--	--	--	--
C35	300	70	N	100	N	--	10	<25	32	<25	--
C35	300	50	N	150	N	--	--	--	--	--	--
C36	100	300	N	300	N	--	<10	87	20	<25	--
C36	70	150	N	300	.02	--	--	--	--	--	--
C37	100	100	N	>1,000	N	--	--	--	--	--	--
C37	150	150	N	1,500	N	--	<10	150	140	<25	--
C38	70	30	N	300	N	--	<10	32	<10	<25	--
C38	70	50	N	>1,000	N	--	--	--	--	--	--
C42	100	100	200	500	.02	--	--	--	--	--	--
C42	100	150	N	300	N	--	<10	107	28	<25	--
CU01	20	N	N	500	<.02	1	<10	<25	12	<25	--
CU02	7	N	N	200	<.02	.9	<10	<25	<10	<25	--
CU03	200	30	N	150	<.02	.75	<10	<25	50	<25	--
CU04	15	N	N	300	<.02	.73	<10	<25	<10	55	--
CU05	10	N	N	70	<.02	.48	<10	<25	11	<25	--
CU06	100	30	N	700	<.02	.6	<10	<25	15	<25	--
CU07	15	10	N	300	.02	.4	10	30	<10	<25	--
CU08	30	<10	N	200	<.02	.8	20	75	15	<25	--
CU09	N	N	N	150	<.02	.56	<10	<25	<10	<25	--
CU10	30	15	N	300	.02	.8	<10	30	10	<25	--
CU11	7	N	N	100	<.02	.4	<10	<25	<10	<25	--
CU12	7	N	N	150	<.02	.28	<10	<25	15	<25	--
CU13	N	N	N	150	<.02	.34	<10	<25	<10	<25	--
CU14	100	15	N	500	.02	.83	<10	<25	<10	<25	--
CU15	100	15	N	200	.03	1.1	10	25	<10	<25	--
CU16	20	N	N	200	.04	.75	<10	<25	10	<25	--
D001	1,000	10	<200	200	1	--	<10	88	--	40	<4
D002	150	20	N	100	.1	--	<10	60	600	50	2
D003	700	<10	<200	150	.02	--	<10	90	<24	35	4
D004	100	30	N	100	2	--	10	<25	540	40	4
D005	30	10	N	30	.02	--	<10	70	<24	<25	2
D006	100	50	<200	150	.02	--	20	125	<24	40	4
D007	300	200	<200	300	N	--	20	70	300	35	8
D008	500	70	<200	300	N	--	<10	204	--	95	<4
D009	300	30	<200	200	N	--	<10	215	180	30	4
D010	500	50	<200	200	N	--	<10	140	<24	40	4
D011F	500	30	<200	200	N	--	<10	92	--	30	<4
D011S	300	30	<200	300	N	--	<10	170	<24	40	4
D012	300	50	<200	200	N	--	<10	38	--	<25	<4
D013	50	20	N	70	.02	--	<10	60	60	<25	2
D014	150	20	N	100	.02	--	<10	35	<24	<25	<2
D015	200	20	<200	300	N	--	<10	150	48	30	4
D016	150	20	N	200	<.1	--	--	--	600	--	--
D017	300	30	<200	300	N	--	<10	26	--	<25	6
D018	150	100	N	150	N	--	10	100	<24	30	4
D019	100	10	N	300	N	--	<10	100	<24	<25	2
D021	700	<10	<200	150	.02	--	<10	120	60	50	4
D022	200	>200	200	1,000	.02	--	<10	280	180	<25	4
D023	50	30	1,500	200	.02	--	<10	120	480	<25	<2
D024	300	30	<200	50	N	--	<10	165	48	35	4
D025	<10	10	<200	200	N	--	<10	115	<24	35	4
D026	1,000	<10	<200	<10	N	--	<10	113	720	25	4
D027	200	30	<200	200	<.02	--	<10	189	--	45	4
D028	20	<10	<200	150	N	--	<10	66	--	30	<4
D031	70	<10	N	150	.05	--	<10	31	<10	<25	--
D032	70	30	N	150	.05	--	<10	170	15	<25	--

Table 2. - Analyses of rock and saprolite samples.--Continued

Sample	Latitude	Longitude	Fe-pct.	Mg-pct.	Ca-pct.	Ti-pct.	Mn-ppm	Ag-ppm	B-ppm	Ba-ppm	Be-ppm
			s	s	s	s	s	s	s	s	s
D034	34 33 40	83 54 0	3	.7	.1	.3	1,000	N	70	700	2
D036	34 33 34	83 55 11	3	2	3	.15	700	N	10	70	1
D037F	34 33 36	83 55 25	1.5	.5	3	.15	500	N	N	150	1
D037W	34 33 36	83 55 25	3	.7	.05	.3	700	N	<10	200	1
D038	34 32 32	83 57 38	5	.7	.007	.7	1,000	N	100	150	1
D039	34 32 32	83 57 38	5	.7	.005	.7	500	N	100	100	1
D043	34 33 4	83 56 40	3	1	.15	.7	500	N	100	700	1
D044	34 33 9	83 56 26	3	.5	.005	.7	300	N	50	700	N
D046	34 33 10	83 56 7	7	.2	<.005	.7	700	N	<10	70	N
D052	34 34 22	83 53 54	7	.5	.1	.7	300	N	15	700	2
D056	34 35 24	83 53 8	5	.5	.07	.3	700	N	700	500	1
D059	34 35 55	83 53 45	5	.5	.1	.7	700	N	20	300	2
D063	34 37 13	83 53 33	3	.7	.007	.3	700	N	N	150	2
D067	34 31 19	83 54 56	7	.5	.007	.7	2,000	N	15	50	N
D068	34 31 20	83 54 57	5	1	.01	.3	3,000	N	30	200	N
D069	34 31 21	83 54 58	3	.3	.007	.2	7,000	N	100	500	1
D071	34 31 33	83 55 44	3	.2	.03	.3	300	N	N	300	1
D074	34 32 34	83 57 27	3	.2	.007	.7	300	N	150	300	N
D075	34 32 26	83 57 21	5	1.5	.007	.7	500	N	150	700	1
D077	34 32 2	83 57 16	5	.5	.007	.7	70	N	150	1,500	1
D079	34 32 0	83 57 2	.5	.015	<.005	.03	150	N	N	30	N
D080	34 31 57	83 56 55	3	1	.005	.5	200	N	15	700	N
D080A	34 31 57	83 56 55	3	.5	.005	.3	500	N	10	300	N
D081	34 31 59	83 56 45	3	.7	.01	.7	300	N	30	700	2
D082	34 31 57	83 56 53	5	.7	.07	7	500	N	300	700	2
D085	34 32 4	83 56 37	5	.7	.07	3	1,500	N	>2,000	150	1
D089	34 31 47	83 56 30	1	.5	.15	2	300	N	N	15	N
D096	34 32 17	83 57 55	1.5	.7	3	3	500	<1	<10	700	N
D098	34 32 17	83 57 50	3	1	5	3	700	N	<10	30	N
D099	34 32 17	83 57 50	7	3	7	7	1,500	N	<10	30	1
D103	34 32 37	83 58 0	3	1	.05	7	500	N	<10	300	1
D104	34 32 36	83 57 58	1.5	.2	<.05	.2	200	N	<10	150	1
D113	34 31 36	83 57 53	3	.02	<.05	.1	3,000	N	<10	300	<1
D114	34 31 36	83 57 53	3	.05	.015	.15	3,000	N	10	700	N
D115	34 32 38	83 57 52	3	.07	<.05	.15	5,000	N	<10	700	2
D119	34 34 51	83 52 57	7	.7	<.05	.7	300	N	100	1,000	5
D122	34 34 54	83 52 56	5	.2	.007	7	700	N	10	700	1
D123	34 34 55	83 52 56	2	.15	.007	.1	500	N	<10	300	N
D124	34 34 55	83 52 56	5	.2	<.05	.1	200	N	N	150	1
D125	34 34 55	83 52 56	7	.5	.05	5	1,000	N	100	1,000	3
D127	34 33 7	83 57 3	.7	.5	1	.1	200	N	N	500	1
D128	34 33 4	83 57 3	7	1	<.05	.7	300	N	20	500	1
D133	34 34 17	83 56 53	7	.5	.07	.3	700	N	10	700	1
D137	34 33 57	83 57 43	2	.1	<.05	.1	300	N	N	300	2
D139	34 33 48	83 57 58	3	.015	.005	.05	50	N	<10	30	N
D140	34 33 48	83 57 58	1.5	.1	.007	.07	50	N	<10	200	N
D150	34 32 33	83 53 18	7	.3	.7	.3	700	N	10	70	1
D151	34 32 33	83 53 18	10	3	3	.5	1,000	N	<10	70	N
D152	34 32 34	83 53 16	5	.7	.5	.2	500	N	N	300	2
D153	34 32 38	83 52 38	.7	.15	.007	.07	150	N	N	2,000	N
D155	34 32 32	83 53 22	>10	.2	.07	.2	700	N	200	100	N
D160	34 30 57	83 55 10	3	.7	.02	.3	700	N	N	150	1
D166	34 30 7	83 56 14	7	.7	.15	.7	1,500	N	15	150	1
D167	34 30 7	83 56 14	3	.3	.15	.3	3,000	N	<10	70	N
D191	34 35 15	83 57 49	.7	.07	.07	.05	200	N	N	700	N
D195	34 31 24	83 58 29	3	.005	.007	.15	7,000	N	10	500	1
D196	34 31 24	83 58 29	3	.005	.005	.2	7,000	N	10	300	N
D197	34 31 24	83 58 29	3	.007	.007	.2	10,000	N	N	500	N
D198	34 31 24	83 58 29	3	.007	.005	.2	7,000	N	N	500	1
D199	34 31 24	83 58 29	3	.007	.005	.2	7,000	N	N	500	1

Table 2. - Analyses of rock and saprolite samples.--Continued

Sample	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sc-ppm s	Sr-ppm s
D034	30	70	70	150	N	10	30	50	20	70
D036	15	70	50	N	N	N	20	15	30	150
D037F	5	5	3	N	N	N	3	15	20	150
D037W	30	30	100	150	N	10	30	30	15	30
D038	50	70	200	N	N	15	30	15	30	7
D039	30	50	200	N	N	10	50	20	30	N
D043	15	70	20	50	N	10	30	20	20	30
D044	10	70	100	N	N	10	20	10	30	20
D046	30	300	200	N	N	N	200	10	50	N
D052	7	70	100	100	N	20	15	70	30	100
D056	30	50	100	70	N	15	20	70	15	50
D059	20	70	70	N	N	15	20	70	30	50
D063	15	50	150	N	N	10	30	15	20	10
D067	30	150	200	N	N	N	70	10	70	N
D068	30	30	150	N	N	<10	50	30	15	10
D069	30	15	100	30	N	<10	30	20	10	7
D071	10	30	30	70	N	10	20	30	15	70
D074	20	70	150	N	N	10	30	15	50	15
D075	15	70	70	70	N	15	30	20	20	50
D077	N	70	30	N	10	15	20	30	20	30
D079	N	2	7	N	N	N	3	N	N	N
D080	20	100	200	70	5	10	50	30	20	30
D080A	30	30	100	70	N	<10	20	15	15	15
D081	20	70	70	N	N	15	30	30	20	70
D082	20	70	150	150	N	15	30	30	30	100
D085	30	7	70	N	N	<10	20	30	50	70
D089	3	1	30	N	N	N	N	50	10	30
D096	5	30	5	N	N	<10	15	200	10	500
D098	10	15	150	70	N	15	15	20	20	500
D099	30	70	200	N	N	10	50	30	50	300
D103	15	70	150	70	N	15	30	15	30	10
D104	15	N	70	70	N	N	15	20	15	N
D113	15	30	5	N	N	<10	5	50	N	N
D114	15	30	70	N	N	<10	20	50	10	30
D115	50	20	100	30	N	N	20	50	15	N
D119	70	150	70	70	N	20	30	50	30	100
D122	15	50	70	30	N	20	30	30	20	15
D123	15	10	300	30	N	N	10	30	5	15
D124	30	N	150	50	N	N	20	N	7	N
D125	20	70	700	100	N	15	30	70	15	150
D127	3	5	5	N	N	N	3	15	N	1,000
D128	30	70	70	30	N	N	50	30	20	N
D133	20	70	50	N	N	10	30	70	20	30
D137	N	N	20	70	N	10	<5	15	10	N
D139	3	5	150	N	10	N	3	N	N	N
D140	3	10	20	N	N	N	5	15	7	20
D150	15	150	70	N	N	N	30	20	50	30
D151	30	<10	70	N	N	N	20	15	50	100
D152	5	N	10	30	N	10	7	15	20	N
D153	5	10	70	50	N	N	20	15	N	150
D155	5	50	7,000	N	100	N	15	70	20	5
D160	10	30	30	70	N	10	20	20	10	10
D166	30	100	300	N	N	N	30	50	70	10
D167	70	70	500	N	7	N	30	10	50	10
D191	N	5	10	N	N	N	N	15	N	30
D195	20	10	100	N	N	<10	20	30	15	10
D196	30	15	70	N	N	<10	30	15	10	N
D197	30	20	100	30	N	<10	30	20	10	5
D198	30	30	100	N	N	N	30	30	10	5
D199	30	30	100	50	N	<10	30	30	10	7

Table 2. - Analyses of rock and saprolite samples.--Continued

Sample	V-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Au-ppm aa	Hg-ppm inst	As-ppm aa	Zn-ppm aa	Cu-ppm aa	Pb-ppm aa	Mo-ppm aa
D034	100	150	N	150	N	--	<10	120	25	30	--
D036	150	15	N	50	.5	--	<10	<25	21	<25	--
D037F	70	30	N	70	N	--	<10	<25	<10	<25	--
D037W	70	70	N	200	N	--	<10	110	27	<25	--
D038	150	50	N	150	N	--	<10	150	180	<25	--
D039	150	30	N	200	N	--	<10	170	130	<25	--
D043	150	30	N	300	N	--	<10	110	<10	<25	--
D044	150	15	N	300	N	--	<10	<25	26	<25	--
D046	300	15	N	70	N	--	<10	100	21	<25	--
D052	150	30	N	300	N	--	<10	<25	30	25	--
D056	70	15	N	300	N	--	<10	<25	27	30	--
D059	70	15	N	300	N	--	<10	29	18	120	--
D063	70	20	N	300	N	--	<10	100	75	<25	--
D067	200	30	N	70	N	--	<10	90	80	<25	--
D068	150	30	N	100	N	--	10	70	<10	26	--
D069	50	50	N	70	N	--	20	27	29	25	--
D071	70	15	N	300	N	--	<10	<25	<10	36	--
D074	200	N	N	150	N	--	<10	<25	35	<25	--
D075	150	30	N	200	N	--	<10	73	13	<25	--
D077	300	10	N	200	.09	--	40	<25	19	<25	--
D079	7	N	N	N	N	--	10	<25	<10	<25	--
D080	150	70	N	150	.06	--	10	200	150	<25	--
D080A	50	30	N	100	.1	--	20	120	32	<25	--
D081	150	30	N	300	N	--	<10	90	16	<25	--
D082	150	100	N	300	.1	--	<10	110	70	<25	--
D085	300	30	N	70	N	--	<10	77	21	26	--
D089	7	100	N	200	.06	--	<10	30	10	33	--
D096	70	20	N	150	.5	--	<10	34	<10	180	--
D098	150	70	N	300	.04	--	<10	<25	85	<25	--
D099	300	70	N	150	.06	--	<10	28	230	27	--
D103	100	70	N	200	N	--	<10	94	36	<25	--
D104	100	15	N	70	.08	--	--	90	35	50	N
D113	30	N	N	50	.06	--	--	--	--	--	--
D114	70	<10	N	70	.04	--	<10	<25	26	<25	--
D115	70	20	N	70	.02	--	--	85	60	75	N
D119	100	50	<200	200	.08	--	--	100	70	85	N
D122	150	70	N	300	.06	--	<10	<25	18	<25	--
D123	15	20	700	70	6.6	--	<10	240	280	<25	--
D124	30	20	3,000	30	2	--	--	100	190	260	N
D125	70	70	700	300	.2	--	<10	620	700	27	--
D127	20	10	N	150	N	--	<10	52	<10	<25	--
D128	150	50	N	300	<.02	--	--	100	50	75	N
D133	70	15	N	300	N	--	<10	<25	17	100	--
D137	15	70	N	200	<.02	--	--	60	5	10	N
D139	7	N	N	N	.02	--	<10	<25	75	<25	--
D140	50	N	N	50	N	--	<10	<25	<10	<25	--
D150	300	30	N	20	N	--	<10	37	13	25	--
D151	300	20	N	20	.08	--	--	95	45	65	N
D152	70	30	N	100	.06	--	--	95	20	35	N
D153	15	30	N	50	N	--	<10	<25	12	<25	--
D155	150	20	3,000	70	.06	--	30	165	4,100	32	--
D160	70	70	N	150	N	--	<10	62	12	<25	--
D166	300	50	N	100	N	--	<10	120	240	45	--
D167	150	30	N	50	.06	--	<10	69	400	<25	--
D191	7	10	N	500	.02	--	10	<25	<10	<25	--
D195	50	20	N	50	N	--	20	<25	22	<25	--
D196	50	20	N	70	.02	--	30	<25	23	<25	--
D197	70	30	N	70	.02	--	40	<25	24	<25	--
D198	70	30	N	50	N	--	40	<25	27	<25	--
D199	70	30	N	70	.02	--	40	<25	24	<25	--

Table 2. - Analyses of rock and saprolite samples.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	B-ppm s	Ba-ppm s	Be-ppm s
D200	34 31 24	83 58 29	3	.01	.005	.15	15,000	1	N	500	1
D201	34 31 24	83 58 29	2	.015	.007	.15	10,000	N	N	700	1
DB1	34 31 28	83 58 18	5	.15	.005	.15	7,000	N	--	150	N
DB2	34 31 28	83 58 18	10	.5	<.05	.7	>5,000	<.5	20	700	1
DB3	34 31 28	83 58 18	2	.07	.005	.1	3,000	N	--	150	N
DB4	34 31 30	83 58 17	15	2	10	>1	1,500	<.5	<10	30	<1
DB5	34 31 30	83 58 20	3	.15	<.05	.3	3,000	<.5	30	30	<1
DB6	34 31 30	83 58 20	15	1	.05	>1	2,000	<.5	<10	100	2
DB7	34 31 28	83 58 21	10	.02	<.05	.01	2,000	<.5	<10	50	<1
DCM01	34 31 23	83 58 57	3	.02	.005	.07	20,000	N	--	150	N
DCM02	34 31 23	83 58 57	>10	.2	.005	.7	3,000	N	--	200	2
DCM03	34 31 24	83 58 57	10	.5	<.05	.5	>5,000	<.5	70	700	2
DCM04	34 31 22	83 58 58	20	.07	<.05	>1	1,500	<.5	<10	300	<1
DCM05	34 31 21	83 59 1	10	.1	<.05	.5	>5,000	N	150	700	1
DCM05	34 31 21	83 59 1	3	.2	.007	.2	3,000	N	--	700	N
DCM06	34 31 21	83 59 1	10	.1	N	.3	>5,000	N	10	700	<1
DCM06	34 31 21	83 59 1	3	.07	.007	.3	7,000	1	--	700	N
DCM07	34 31 21	83 59 1	5	.5	.005	.3	7,000	N	--	700	1
DCM07	34 31 21	83 59 1	15	.7	N	.2	>5,000	N	100	1,000	1.5
DCM08	34 31 21	83 59 1	>10	.1	.3	.2	10,000	1	--	150	N
DCM08	34 31 21	83 59 1	20	.1	.2	.2	>5,000	N	20	500	1
DCM09	34 31 21	83 59 1	10	.02	N	.2	5,000	N	70	300	<1
DCM09	34 31 21	83 59 1	3	.03	<.005	.3	3,000	N	--	150	N
DCM10	34 31 21	83 59 1	15	<.02	N	1	3,000	N	20	200	N
DCM10	34 31 21	83 59 1	7	.01	.005	.7	3,000	N	--	150	N
DCM11	34 31 21	83 59 1	20	.02	N	1	>5,000	N	15	500	<1
DCM11	34 31 21	83 59 1	7	.015	.005	.7	7,000	N	--	300	N
DCMT01	34 31 19	83 58 50	7	.07	.005	.15	5,000	N	--	500	N
DCMT02	34 31 19	83 58 46	10	.1	<.05	.5	1,500	<.5	50	200	1
DCMT04	34 31 19	83 58 52	.5	<.005	.005	.005	500	N	--	50	N
DCMT05	34 31 19	83 58 52	5	.2	<.05	.5	700	<.5	200	500	2
DCMT06	34 31 19	83 58 52	>10	.15	.15	.2	100,000	N	--	1,000	N
DCMT07	34 31 19	83 58 52	7	.15	.007	.15	7,000	N	--	700	1
DCMT08	34 31 16	83 59 8	7	.15	.015	.3	10,000	N	--	200	1
DCMT09	34 31 16	83 59 8	7	.2	.03	.7	1,000	N	--	200	1
DCMT10	34 31 16	83 59 8	10	.3	<.05	1	>5,000	<.5	30	200	1.5
DCMT11	34 31 20	83 59 18	15	.1	<.05	.5	>5,000	<.5	70	700	2
DCMT12	34 31 20	83 59 18	20	.05	<.05	>1	1,500	<.5	<10	100	<1
DCMT13	34 31 19	83 59 22	.3	.02	<.05	.01	200	<.5	<10	<20	<1
DCMT14	34 31 19	83 59 22	5	.07	.01	.15	10,000	N	--	500	1
DCMT15	34 31 19	83 59 22	1.5	.03	<.05	.03	2,000	<.5	<10	100	<1
DCMT15A	34 31 19	83 59 22	>10	.2	.02	.15	10,000	3	--	300	1
DF01	34 31 34	83 57 58	>10	.3	.3	.2	500	N	--	70	1
DF02	34 31 34	83 57 58	10	.2	.005	.7	1,000	N	--	70	N
DF03	34 31 34	83 57 58	20	2	<.05	>1	>5,000	<.5	<10	500	1.5
DF04	34 31 34	83 57 58	>20	.3	<.05	.5	>5,000	<.5	<10	700	1
DF05	34 31 34	83 57 58	20	.3	.5	.3	>5,000	<.5	<10	700	<1
DF06	34 31 34	83 57 58	>10	.7	.05	.3	30,000	N	--	500	N
DF07	34 31 34	83 57 58	10	.15	.03	.2	30,000	N	--	500	N
DF08	34 31 34	83 57 58	>10	.2	.07	.1	20,000	N	--	500	N
DF09	34 31 34	83 57 58	>10	.7	N	.15	1,500	N	--	500	1
DF10	34 31 34	83 57 58	>10	.5	.05	.15	30,000	N	--	700	1
DF11	34 31 34	83 57 58	7	.3	<.05	.3	>5,000	<.5	<10	300	1.5
DF12	34 31 34	83 57 58	1	.05	<.05	.02	1,500	<.5	<10	70	<1
DF13	34 31 34	83 57 58	5	.15	.007	.1	10,000	N	--	700	1
DF14	34 31 34	83 57 58	7	.5	.01	.15	10,000	N	--	700	1
DF15	34 31 33	83 57 58	7	.5	.01	.15	7,000	N	--	500	1
DF16	34 31 33	83 57 58	3	.3	.05	.2	2,000	<.5	<10	300	1
DF17	34 31 33	83 57 58	7	.7	.015	.15	7,000	N	--	700	1.5
DF18	34 31 33	83 57 58	3	.2	<.05	.2	3,000	<.5	<10	300	1

Table 2. - Analyses of rock and saprolite samples.--Continued

Sample	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sc-ppm s	Sr-ppm s
D200	30	15	150	N	N	<10	30	30	10	20
D201	20	15	70	N	N	<10	30	30	7	20
DB1	15	20	100	N	N	N	15	20	--	100
DB2	50	50	70	20	<5	<10	30	30	20	<100
DB3	10	7	15	N	N	N	7	N	--	7
DB4	200	500	100	<20	<5	<10	70	<10	70	100
DB5	200	150	70	20	<5	<10	50	<10	20	<100
DB6	30	500	200	20	<5	<10	150	10	100	<100
DB7	5	15	50	20	<5	<10	10	<10	5	<100
DCM01	1,500	5	1,500	N	15	N	1,500	N	--	N
DCM02	20	100	300	50	N	N	50	20	--	5
DCM03	30	30	50	20	<5	<10	20	20	10	<100
DCM04	100	150	100	<20	<5	<10	150	<10	>100	<100
DCM05	20	50	30	30	N	20	30	70	30	<50
DCM05	20	15	30	30	N	10	30	50	--	30
DCM06	50	50	70	30	N	10	30	50	20	N
DCM06	30	15	100	30	N	<10	30	50	--	15
DCM07	15	30	50	30	N	<10	30	30	--	30
DCM07	20	50	50	20	N	10	20	70	30	50
DCM08	70	70	500	30	N	<10	50	30	--	10
DCM08	150	200	300	50	N	10	50	50	30	N
DCM09	50	70	15	20	N	10	30	15	10	<50
DCM09	30	30	50	N	N	<10	30	15	--	5
DCM10	70	150	150	N	N	10	50	20	70	N
DCM10	50	100	150	N	N	N	50	20	--	N
DCM11	150	200	150	N	N	15	70	50	70	N
DCM11	100	150	150	N	N	<10	70	30	--	N
DCMT01	50	20	70	N	N	N	10	100	--	15
DCMT02	10	70	50	20	<5	10	15	10	20	<100
DCMT04	5	5	10	N	N	N	N	N	--	N
DCMT05	20	70	50	50	<5	<10	30	30	30	100
DCMT06	150	30	150	70	N	N	150	20	--	500
DCMT07	100	30	70	N	N	N	15	200	--	300
DCMT08	20	50	100	30	N	N	20	50	--	150
DCMT09	20	70	100	30	N	10	30	50	--	10
DCMT10	20	70	70	50	<5	15	20	20	20	<100
DCMT11	100	70	100	20	<5	<10	20	100	15	<100
DCMT12	150	150	200	<20	<5	<10	100	<10	100	<100
DCMT13	<5	<10	10	20	<5	<10	5	<10	<5	<100
DCMT14	20	10	100	N	N	N	10	20	--	10
DCMT15	100	20	20	20	<5	<10	10	<10	5	<100
DCMT15A	100	300	150	N	N	10	70	20	--	15
DF01	10	150	150	50	N	N	20	N	--	50
DF02	30	150	150	N	N	N	50	N	--	70
DF03	150	200	300	50	<5	<10	100	30	70	<100
DF04	200	100	200	30	<5	<10	100	<10	30	<100
DF05	100	20	70	20	<5	<10	150	<10	15	<100
DF06	100	30	300	N	N	N	100	15	--	N
DF07	200	30	150	N	N	N	100	15	--	N
DF08	50	10	100	30	N	N	100	50	--	10
DF09	15	70	200	30	N	N	50	30	--	300
DF10	70	20	200	30	N	N	100	30	--	10
DF11	50	15	50	20	<5	<10	30	10	10	<100
DF12	10	10	20	<20	<5	<10	15	<10	<5	<100
DF13	30	20	300	30	7	N	70	50	--	500
DF14	20	20	150	30	N	N	20	20	--	15
DF15	20	30	100	50	N	N	30	15	--	N
DF16	10	30	50	30	<5	<10	20	<10	10	<100
DF17	30	50	100	70	N	N	20	20	--	15
DF18	10	20	70	30	<5	<10	10	10	5	<100

Table 2. - Analyses of rock and saprolite samples.--Continued

Sample	V-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Au-ppm aa	Hg-ppm inst	As-ppm aa	Zn-ppm aa	Cu-ppm aa	Pb-ppm aa	Mo-ppm aa
D200	70	30	N	50	N	--	40	<25	19	<25	--
D201	50	30	N	50	N	--	60	<25	20	<25	--
DB1	150	N	N	30	.02	--	<10	<25	<24	<25	4
DB2	200	<10	<200	150	.04	--	<10	200	<24	35	4
DB3	20	N	N	30	N	--	<10	<25	300	<25	2
DB4	1,000	50	<200	150	N	--	<10	115	--	60	4
DB5	150	20	<200	30	N	--	<10	53	--	35	4
DB6	1,000	150	<200	200	.04	--	<10	152	--	50	4
DB7	100	<10	<200	<10	.4	--	<10	170	<24	35	4
DCM01	150	30	700	10	.02	--	20	410	<24	25	12
DCM02	300	50	N	70	.02	--	<10	75	<24	35	<2
DCM03	150	10	<200	150	.4	--	<10	34	--	35	4
DCM04	1,000	10	<200	200	N	--	<10	205	<24	50	8
DCM05	100	30	N	150	.1	--	--	--	--	--	--
DCM05	70	30	N	100	N	--	<10	<25	<10	<25	--
DCM06	70	20	N	150	.5	--	--	--	--	--	--
DCM06	70	30	N	70	.6	--	<10	<25	20	<25	--
DCM07	150	30	N	70	N	--	10	<25	11	<25	--
DCM07	100	15	N	100	.04	--	--	--	--	--	--
DCM08	150	50	N	100	.3	--	10	33	300	<25	--
DCM08	200	50	N	150	.5	--	--	--	--	--	--
DCM09	100	15	N	100	.1	--	--	--	--	--	--
DCM09	30	15	N	100	.1	--	<10	<25	17	<25	--
DCM10	700	30	N	100	N	--	--	--	--	--	--
DCM10	300	20	N	100	N	--	<10	47	110	<25	--
DCM11	500	50	N	150	N	--	--	--	--	--	--
DCM11	300	30	N	100	.05	--	<10	55	28	<25	--
DCMT01	50	N	N	30	N	--	<10	<25	150	100	2
DCMT02	150	10	<200	200	.02	--	<10	85	<24	50	4
DCMT04	N	N	N	N	N	--	<10	<25	<24	<25	2
DCMT05	200	10	200	200	N	--	<10	40	--	35	15
DCMT06	150	15	N	150	.2	--	10	75	540	35	<2
DCMT07	70	10	N	50	.04	--	<10	<25	48	240	<2
DCMT08	150	30	N	100	.06	--	40	40	240	60	<2
DCMT09	150	50	N	200	.02	--	60	40	<24	50	2
DCMT10	200	70	<200	300	.02	--	20	135	48	70	4
DCMT11	150	10	<200	150	.02	--	<10	33	--	150	10
DCMT12	1,000	50	<200	200	N	--	<10	135	<24	30	4
DCMT13	<10	<10	<200	<10	N	--	<10	70	<24	<25	4
DCMT14	70	10	N	50	.02	--	<10	<25	600	25	<2
DCMT15	15	<10	<200	<10	.04	--	<10	55	<24	<25	4
DCMT15A	300	20	500	70	.3	--	<10	135	<24	<25	<2
DF01	200	50	N	50	.2	--	<10	45	<24	<25	2
DF02	300	50	N	70	.02	--	<10	80	<24	<25	2
DF03	1,000	200	<200	200	N	--	<10	220	<24	40	30
DF04	500	30	<200	150	.1	--	<10	150	<24	<25	8
DF05	200	50	<200	150	N	--	<10	52	--	30	6
DF06	100	30	N	100	.02	--	<10	70	420	<25	<2
DF07	70	15	N	70	.02	--	10	40	60	40	<2
DF08	100	20	N	30	.02	--	10	85	540	35	2
DF09	300	20	N	70	.06	--	<10	70	90	<25	<2
DF10	150	30	N	50	.06	--	<10	95	240	40	2
DF11	50	20	<200	70	.02	--	<10	125	--	35	4
DF12	<10	<10	<200	<10	N	--	<10	140	<24	25	<4
DF13	100	20	N	30	.02	--	10	110	<24	75	4
DF14	50	30	N	50	.02	--	<10	50	180	35	2
DF15	50	50	N	50	.02	--	10	80	120	<25	2
DF16	50	30	<200	50	.02	--	<10	155	<24	<25	<4
DF17	100	70	N	50	.1	--	30	90	300	<25	4
DF18	50	50	<200	50	.1	--	40	140	<24	<25	4

Table 2. - Analyses of rock and saprolite samples.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	B-ppm s	Ba-ppm s	Be-ppm s
DF19	34 31 33	83 57 58	5	.2	.005	.15	5,000	N	--	700	1
DF20	34 31 33	83 57 58	15	1.5	<.05	1	1,500	<.5	30	1,000	1.5
DF20	34 31 33	83 57 58	7	.5	.015	.2	10,000	N	--	700	1.5
DF21	34 31 31	83 58 0	7	.5	<.05	.3	>5,000	<.5	10	1,000	2
DF22	34 31 31	83 58 0	5	.2	.007	.15	5,000	N	--	500	N
DF23	34 31 31	83 58 0	7	.15	.005	.15	5,000	N	--	700	1
DF24	34 31 31	83 58 0	10	.02	<.05	.005	300	<.5	<10	20	<1
DF25	34 31 31	83 58 0	10	.07	N	.7	3,000	N	--	70	N
DF26	34 31 31	83 58 0	>10	.1	N	.7	3,000	N	--	700	N
DF27	34 31 33	83 58 3	15	.02	<.05	.01	700	<.5	10	50	<1
DF28	34 31 33	83 58 3	10	.15	.005	.2	2,000	N	--	700	1
DF29	34 31 33	83 58 3	10	1.5	.15	.3	10,000	N	--	1,000	1.5
DF30	34 31 33	83 58 3	2	.05	.1	.02	3,000	N	--	200	N
DF31	34 31 33	83 58 3	.5	.015	.02	.005	200	N	--	30	N
DF32	34 31 33	83 58 3	7	.7	.1	.15	7,000	N	--	700	1
DF33	34 31 33	83 58 3	10	.2	.015	.15	5,000	N	--	500	1
DF34	34 31 33	83 58 3	>10	.7	.1	.7	5,000	N	--	200	N
DF35	34 31 29	83 58 3	10	.07	.007	.2	10,000	N	--	300	N
DF36	34 31 29	83 58 3	15	.2	.05	.5	>5,000	<.5	10	500	1
DF37	34 31 29	83 58 3	.5	.02	<.05	.01	1,500	<.5	<10	50	<1
DF38	34 31 32	83 57 53	15	7	1.5	.2	>5,000	<.5	10	1,000	2
DF39	34 31 32	83 57 53	15	7	1.5	.15	>5,000	<.5	<10	1,500	2
DFT1	34 31 10	83 59 12	10	<.02	N	.1	200	N	<10	100	<1
DFT1	34 31 10	83 59 12	3	.015	.005	.07	150	N	--	100	N
DFT2	34 31 10	83 59 12	7	.2	.01	.7	150	N	--	500	1
DFT2	34 31 10	83 59 12	10	.05	<.05	>1	500	N	20	500	1
DFT3	34 31 10	83 59 12	10	.02	<.05	.3	700	N	N	200	<1
DFT3	34 31 10	83 59 12	3	.05	<.005	.15	300	N	--	150	N
DFT4	34 31 10	83 59 12	15	.5	<.05	1	500	N	50	1,000	1
DFT4	34 31 10	83 59 12	3	.2	.007	.3	100	N	--	700	N
DH01	34 32 15	83 58 30	15	.02	<.05	.05	>5,000	N	<10	700	1.5
DH01	34 32 15	83 58 30	7	.03	<.005	.015	7,000	N	--	500	N
DH02	34 32 15	83 58 30	1	.1	.005	.07	500	N	--	300	N
DH02	34 32 15	83 58 30	2	.2	<.05	.1	700	N	<10	500	1
DH03	34 32 14	83 58 28	3	.05	.2	.1	500	N	N	150	<1
DH03	34 32 14	83 58 28	1.5	.07	.3	.1	500	N	--	150	N
DH04	34 32 13	83 58 24	1	.2	.5	.1	200	N	--	500	N
DH04	34 32 13	83 58 24	2	.5	1	.1	200	1	10	500	1
DH05	34 32 13	83 58 24	2	1.5	3	.15	1,500	1	--	200	N
DH05	34 32 13	83 58 24	7	2	3	.15	2,000	5	<10	200	<1
DH06	34 32 13	83 58 24	1.5	.2	.5	.2	1,000	5	<10	500	<1
DH06	34 32 13	83 58 24	1	.2	.5	.15	700	1	--	500	N
DH07	34 32 13	83 58 24	7	2	1.5	1	700	.5	20	700	1
DH07	34 32 13	83 58 24	3	2	3	.15	700	N	--	700	2
DH09	34 32 13	83 58 24	7	2	1	.7	700	N	70	700	2
DH09	34 32 13	83 58 24	3	1.5	2	.7	500	N	--	700	3
DH11	34 32 14	83 58 21	10	1	<.05	.5	700	1	N	1,000	1.5
DH11	34 32 14	83 58 21	3	.1	.05	.7	500	N	--	700	1
DH12	34 32 14	83 58 21	5	1.5	.5	.7	700	<.5	N	1,000	2
DH12	34 32 14	83 58 21	3	1	1	.5	500	N	--	700	2
DH13	34 32 14	83 58 28	1	.1	1	.1	50	N	<10	500	1
DH13	34 32 14	83 58 28	.3	.2	.7	.7	30	N	--	500	N
DH14	34 32 14	83 58 28	7	1.5	1	.7	700	N	50	500	1
DH16	34 32 12	83 58 27	1.5	.2	.05	.1	300	.5	<10	1,000	1.5
OH17	34 32 12	83 58 27	1.5	.2	.05	.15	700	.7	<10	500	1.5
DI01	34 31 22	83 59 56	7	3	>10	.5	1,500	N	--	70	N
DI01	34 31 22	83 59 56	15	3	5	7	3,000	.7	<10	150	N
DI02	34 31 22	83 59 56	10	1.5	1.5	.7	700	.7	N	300	<1
DI02	34 31 22	83 59 56	3	1.5	3	.7	500	N	--	300	N
DI03	34 31 22	83 59 56	10	1.5	1.5	.7	700	N	N	200	1

Table 2. - Analyses of rock and saprolite samples.--Continued

Sample	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sc-ppm s	Sr-ppm s
DF19	15	20	150	50	N	N	20	15	--	300
DF20	30	100	50	30	<5	<10	30	15	15	<100
DF20	30	30	100	50	N	N	30	30	--	10
DF21	20	30	100	30	<5	<10	20	30	15	<100
DF22	15	20	100	30	N	N	10	50	--	10
DF23	20	20	100	N	N	N	15	30	--	300
DF24	<5	15	20	20	<5	<10	5	<10	<5	<100
DF25	70	30	200	N	N	N	50	10	--	N
DF26	30	150	150	N	N	N	50	50	--	15
DF27	<5	20	20	20	<5	<10	10	<10	5	<100
DF28	20	20	30	30	N	N	15	70	--	10
DF29	30	70	700	100	N	N	50	70	--	700
DF30	7	5	100	N	N	N	7	10	--	100
DF31	N	5	15	N	N	N	N	N	--	N
DF32	50	20	150	30	N	N	30	50	--	500
DF33	50	30	300	30	N	N	30	30	--	7
DF34	70	150	500	70	N	N	100	N	--	10
DF35	50	10	150	N	N	N	30	30	--	N
DF36	30	50	100	70	<5	<10	50	30	15	<100
DF37	<5	<10	30	<20	<5	<10	5	10	<5	<100
DF38	100	100	70	70	10	20	70	200	50	150
DF39	50	50	100	20	5	10	50	200	30	200
DFT1	10	20	10	20	N	<10	2	10	5	N
DFT1	10	15	70	30	N	N	10	10	--	N
DFT2	7	70	70	N	N	10	20	20	--	30
DFT2	10	100	50	N	N	20	30	50	70	N
DFT3	50	30	15	N	N	10	15	10	20	N
DFT3	30	15	50	N	N	<10	7	15	--	10
DFT4	10	150	30	<20	N	20	50	70	50	70
DFT4	5	70	50	N	N	<10	20	30	--	70
DH01	50	10	5	N	15	10	5	70	20	N
DH01	50	5	20	N	N	N	10	70	--	N
DH02	15	3	20	N	N	N	15	15	--	30
DH02	15	N	10	N	N	10	15	20	7	70
DH03	20	N	20	20	N	10	15	10	5	700
DH03	20	2	30	N	N	N	15	10	--	300
DH04	5	7	15	N	N	N	7	30	--	500
DH04	10	N	10	<20	N	10	5	70	5	1,000
DH05	10	15	200	N	10	N	50	15	--	500
DH05	15	15	150	N	30	10	30	30	7	500
DH06	5	20	100	<20	N	N	5	15	5	500
DH06	7	10	70	N	N	N	5	15	--	300
DH07	20	100	100	30	N	10	30	15	20	300
DH07	20	70	100	30	N	10	50	15	--	200
DH09	20	100	20	20	N	15	30	20	20	300
DH09	20	70	30	N	N	15	50	20	--	200
DH11	50	100	150	30	N	10	30	20	20	<50
DH11	30	50	150	30	N	15	30	10	--	15
DH12	20	150	300	50	N	15	30	20	30	50
DH12	15	100	500	30	N	15	30	<10	--	30
DH13	N	N	5	N	N	<10	2	20	<5	1,000
DH13	N	1	7	N	N	N	3	15	--	700
DH14	20	150	30	70	N	10	50	20	20	300
DH16	50	N	15	N	N	<10	20	30	5	150
DH17	50	<10	30	N	N	10	20	30	<5	200
DI01	30	150	150	N	N	10	50	20	--	150
DI01	70	200	200	N	N	10	50	70	70	300
DI02	20	30	200	30	N	10	<2	50	15	300
DI02	20	30	150	70	N	15	10	20	--	200
DI03	20	50	15	30	N	10	2	30	20	200

Table 2. - Analyses of rock and saprolite samples.--Continued

Sample	V-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Au-ppm aa	Hg-ppm inst	As-ppm aa	Zn-ppm aa	Cu-ppm aa	Pb-ppm aa	Mo-ppm aa
DF19	30	15	N	50	.02	--	<10	25	<24	<25	2
DF20	200	50	<200	300	N	--	<10	235	<24	35	8
DF20	70	50	N	50	.04	--	10	95	360	50	2
DF21	100	20	<200	150	.02	--	<10	140	<24	40	4
DF22	30	10	N	50	.02	--	<10	30	360	40	<2
DF23	70	10	N	50	.02	--	<10	30	<24	40	<2
DF24	20	<10	<200	<10	N	--	<10	155	<24	30	4
DF25	300	10	N	100	.04	--	<10	35	600	35	<2
DF26	700	30	N	70	N	--	<10	<25	480	50	<2
DF27	20	<10	<200	<10	N	--	<10	280	<24	40	<4
DF28	100	10	N	50	.06	--	<10	<25	120	50	2
DF29	200	30	N	100	1	--	<10	90	<24	50	<2
DF30	10	30	N	10	.02	--	10	<25	240	25	2
DF31	N	N	N	N	N	--	10	<25	<24	<25	2
DF32	70	20	N	50	.04	--	30	30	<24	25	<2
DF33	100	10	N	50	.1	--	10	65	960	40	<2
DF34	300	10	N	70	.06	--	<10	40	1,080	25	<2
DF35	70	10	N	50	.1	--	300	<25	240	40	<2
DF36	150	30	<200	150	.02	--	100	140	<24	35	15
DF37	15	<10	<200	<10	.2	--	10	140	<24	25	<4
DF38	150	50	<200	150	<.02	.16	<10	80	50	<25	--
DF39	150	50	<200	70	<.02	.3	10	40	40	<25	--
DFT1	70	10	N	20	5	--	--	--	--	--	--
DFT1	30	10	N	200	4.7	--	60	<25	16	<25	--
DFT2	200	30	N	200	.1	--	100	<25	20	<25	--
DFT2	300	50	N	300	.4	--	--	--	--	--	--
DFT3	150	50	N	100	.2	--	--	--	--	--	--
DFT3	50	15	N	50	.2	--	40	25	16	<25	--
DFT4	300	50	N	100	.06	--	--	--	--	--	--
DFT4	150	30	N	100	.1	--	60	<25	13	<25	--
DH01	20	30	N	20	.4	--	--	--	--	--	--
DH01	10	30	N	N	.4	--	<10	78	<10	140	--
DH02	20	N	N	100	.2	--	<10	<25	<10	<25	--
DH02	20	10	N	150	.2	--	--	--	--	--	--
DH03	10	20	N	100	.2	--	--	--	--	--	--
DH03	10	30	N	100	.1	--	<10	<25	24	<25	--
DH04	30	10	N	70	1.2	--	<10	<25	10	25	--
DH04	50	10	N	150	1.2	--	--	--	--	--	--
DH05	30	15	N	100	4.9	--	10	30	140	<25	--
DH05	50	20	N	150	8	--	--	--	--	--	--
DH06	70	10	N	150	3.4	--	--	--	--	--	--
DH06	50	15	N	200	3	--	<10	<25	44	<25	--
DH07	100	30	N	300	.04	--	--	--	--	--	--
DH07	150	30	N	300	N	--	<10	78	48	<25	--
DH09	100	30	N	200	.02	--	--	--	--	--	--
DH09	150	70	N	300	.07	--	<10	26	18	<25	--
DH11	150	70	N	300	15	--	--	--	--	--	--
DH11	150	70	N	300	7.9	--	10	50	120	<25	--
DH12	300	50	N	500	4	--	--	--	--	--	--
DH12	150	50	N	300	2.8	--	<10	72	430	<25	--
DH13	20	<10	N	150	.06	--	--	--	--	--	--
DH13	15	N	N	100	N	--	<10	<25	<10	<25	--
DH14	100	50	N	200	.05	--	<10	28	20	<25	--
DH16	50	15	N	150	1.8	--	<10	<25	<10	<25	--
DH17	50	20	N	150	3.5	--	10	<25	<10	<25	--
DI01	300	50	N	70	.1	--	<10	38	120	<25	--
DI01	300	50	N	100	.1	--	--	--	--	--	--
DI02	150	50	N	200	2.5	--	--	--	--	--	--
DI02	150	150	N	500	2.6	--	<10	35	130	<25	--
DI03	150	70	N	200	.3	--	--	--	--	--	--

Table 2. - Analyses of rock and saprolite samples.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	B-ppm s	Ba-ppm s	Be-ppm s
DI03	34 31 22	83 59 56	3	1.5	3	.7	700	N	--	150	N
DI05	34 31 22	83 59 55	.02	<.02	<.05	.07	50	N	N	30	<1
DI05	34 31 22	83 59 55	.1	.015	.007	.03	50	N	--	15	N
DI06	34 31 25	83 59 51	10	.02	<.05	.7	2,000	N	10	150	1.5
DI06	34 31 25	83 59 51	7	.3	.07	.3	1,500	N	--	150	2
DI07	34 31 25	83 59 51	5	.15	.05	.3	2,000	N	--	150	1
DI07	34 31 25	83 59 51	15	.02	N	.7	5,000	N	<10	200	1
DI08	34 31 25	83 59 51	15	.7	N	>1	3,000	N	10	150	1
DI08	34 31 25	83 59 51	7	.7	.02	.7	1,500	N	--	70	1
DL1	34 31 50	83 57 51	3	.7	.07	.15	7,000	N	--	1,500	3
DL1	34 31 50	83 57 51	7	.7	<.05	.2	>5,000	N	<10	1,500	2
DL2	34 31 50	83 57 51	1.5	.3	.005	.1	5,000	N	--	700	2
DL2	34 31 50	83 57 51	2	.3	<.05	.15	>5,000	N	<10	1,000	1.5
DL3	34 31 50	83 57 51	3	.15	.07	.15	10,000	1	--	700	2
DL3	34 31 50	83 57 51	10	.5	<.05	.3	>5,000	N	10	1,000	1.5
DL4	34 31 50	83 57 51	3	.3	.05	.15	7,000	N	--	500	1
DL4	34 31 50	83 57 51	10	.5	<.05	.3	>5,000	N	<10	1,000	1
DL5	34 31 51	83 57 50	15	.7	<.05	.5	>5,000	N	20	1,500	1.5
DL5	34 31 51	83 57 50	5	.2	.1	.15	15,000	1.5	--	1,000	2
DL6	34 31 51	83 57 50	7	.7	.05	.5	>5,000	N	10	1,000	2
DL6	34 31 51	83 57 50	3	.5	.1	.2	15,000	1.5	--	700	2
DL7	34 31 51	83 57 50	5	.5	<.05	.7	5,000	N	<10	1,000	2
DL7	34 31 51	83 57 50	3	.7	.03	.2	3,000	N	--	1,000	2
DL8	34 31 51	83 57 50	3	.7	.1	.2	7,000	N	--	1,000	3
DL8	34 31 51	83 57 50	7	.7	.05	.5	>5,000	N	10	1,500	2
DL9	34 31 51	83 57 50	>10	3	5	.7	10,000	N	--	300	1
DL9	34 31 51	83 57 50	15	3	3	.7	>5,000	N	10	500	<1
DP01	34 31 21	83 58 44	7	.07	.015	.1	10,000	3	--	700	N
DP02	34 31 21	83 58 44	7	.15	.005	.2	700	N	--	700	1
DP03	34 31 21	83 58 44	.07	.015	.005	.07	300	N	--	100	N
DP04	34 31 21	83 58 44	7	.07	.01	.15	7,000	N	--	500	N
DP05	34 31 21	83 58 44	7	.1	.005	.15	15,000	N	--	300	1
DP06	34 31 21	83 58 44	7	.1	.005	.15	10,000	N	--	500	N
DP07	34 31 20	83 58 43	7	.2	.005	.15	3,000	N	--	700	1
DP08	34 31 20	83 58 43	7	.05	.005	.15	10,000	N	--	700	1
DP09	34 31 20	83 58 43	10	.3	<.05	.5	>5,000	<.5	30	1,000	2
DP10	34 31 20	83 58 43	7	.02	.005	.15	7,000	N	--	700	N
DP11	34 31 20	83 58 43	2	.03	<.05	.2	>5,000	<.5	<10	150	<1
DP12	34 31 24	83 58 38	7	.1	.005	.2	3,000	N	--	500	1
DP13	34 31 24	83 58 38	3	.05	.005	.07	5,000	N	--	300	N
DP14	34 31 24	83 58 38	7	.5	.02	.15	10,000	N	--	700	1
DS1	34 32 6	83 57 55	.5	.05	.007	.03	200	N	--	50	N
DS1	34 32 6	83 57 55	1	.02	.05	1	700	N	N	100	<1
DS2	34 32 6	83 57 55	3	.5	.07	.15	200	N	70	700	2
DS3	34 32 6	83 57 55	1	.7	3	.2	150	N	--	700	N
DS3	34 32 6	83 57 55	2	1	1	.3	500	N	N	700	<1
DA001	34 29 23	84 1 15	3	.2	.005	.2	2,000	N	--	50	1
DA001	34 29 23	84 1 15	5	.07	<.05	.5	1,500	N	<10	100	<1
DA002	34 29 23	84 1 15	10	.1	<.05	.5	1,500	N	<10	150	<1
DA002	34 29 23	84 1 15	7	.5	.007	.3	2,000	N	--	70	N
DA004	34 29 23	84 1 16	10	.1	<.05	.7	1,000	N	<10	70	<1
DA004	34 29 23	84 1 16	5	.5	.005	.3	1,500	N	--	30	N
DA006	34 29 36	84 1 16	15	<.02	<.05	.7	1,000	N	<10	50	N
DA006	34 29 36	84 1 16	7	.015	.007	1.5	3,000	N	--	70	N
DA007	34 29 36	84 1 16	2	<.02	<.05	.5	1,000	N	<10	100	N
DA007	34 29 36	84 1 16	2	.015	.007	.2	1,500	N	--	70	N
DA008	34 29 34	84 1 15	3	.03	.005	.2	3,000	N	--	70	N
DA008	34 29 34	84 1 15	5	.02	<.05	.5	3,000	N	<10	50	N
DA009	34 29 34	84 1 15	10	.02	<.05	>1	3,000	N	20	100	<1
DA009	34 29 34	84 1 15	>10	.05	.005	.7	3,000	N	--	100	N

Table 2. - Analyses of rock and saprolite samples.--Continued

Sample	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sc-ppm s	Sr-ppm s
DI03	15	20	30	70	N	15	15	15	--	150
DI05	N	10	5	N	N	<10	N	<10	N	N
DI05	N	1	1	N	N	N	N	N	--	N
DI06	70	100	70	20	N	<10	50	15	70	N
DI06	70	150	150	70	N	<10	100	20	--	5
DI07	50	70	150	N	N	N	70	50	--	5
DI07	100	70	100	<20	N	<10	70	50	50	N
DI08	70	100	200	30	N	<10	30	50	70	N
DI08	50	70	200	N	N	10	50	30	--	N
DL1	10	10	50	70	N	10	20	50	--	30
DL1	10	15	50	50	N	10	30	70	10	<50
DL2	10	7	70	30	N	<10	20	70	--	15
DL2	10	10	20	30	N	<10	20	70	5	N
DL3	30	30	150	150	N	<10	20	50	--	30
DL3	70	70	150	150	N	<10	20	30	15	50
DL4	20	20	70	30	N	<10	20	30	--	15
DL4	30	30	150	20	N	<10	20	70	10	N
DL5	50	50	200	20	N	<10	50	100	15	N
DL5	30	30	100	N	N	<10	30	70	--	30
DL6	50	50	300	20	N	<10	50	50	15	<50
DL6	20	30	150	N	N	<10	30	30	--	30
DL7	20	50	150	<20	N	<10	20	10	10	<50
DL7	15	30	150	N	N	<10	20	20	--	30
DL8	20	30	150	N	N	10	20	70	--	30
DL8	50	30	150	<20	N	<10	30	70	10	<50
DL9	30	100	300	N	N	N	30	15	--	150
DL9	50	150	500	<20	15	<10	100	20	70	200
DP01	50	30	300	30	N	10	30	20	--	15
DP02	20	30	50	N	N	N	20	50	--	300
DP03	7	3	20	N	N	N	20	N	--	70
DP04	20	10	100	N	N	N	20	15	--	300
DP05	30	20	70	N	N	10	30	50	--	7
DP06	20	15	100	N	N	N	15	50	--	10
DP07	20	30	200	N	15	10	15	100	--	15
DP08	20	10	70	N	N	N	10	15	--	7
DP09	100	70	500	30	<5	<10	150	<10	20	<100
DP10	15	10	70	N	N	10	10	15	--	5
DP11	<5	10	70	20	<5	<10	100	10	5	<100
DP12	30	100	100	30	N	N	30	20	--	300
DP13	50	30	100	N	N	N	15	20	--	10
DP14	20	20	100	30	N	N	20	70	--	15
DS1	7	3	10	N	N	N	5	10	--	5
DS1	5	10	10	N	N	<10	2	<10	N	<50
DS2	N	N	30	20	N	N	5	50	10	100
DS3	7	7	2	N	N	N	7	50	--	300
DS3	10	20	5	20	N	<10	5	50	7	700
DA001	--	30	100	N	N	N	30	10	--	10
DA001	100	100	100	<20	N	10	30	15	50	<50
DA002	50	150	100	20	N	10	50	10	70	N
DA002	--	100	150	N	N	N	50	15	--	5
DA004	50	50	150	N	N	10	30	15	50	N
DA004	--	30	150	N	N	<10	30	10	--	7
DA006	150	70	150	N	N	10	100	20	50	N
DA006	--	70	150	N	N	10	100	20	--	N
DA007	200	10	70	N	N	<10	30	50	15	N
DA007	--	15	70	N	N	<10	30	30	--	5
DA008	--	70	150	N	N	N	70	30	--	5
DA008	500	100	150	<20	N	<10	70	70	50	N
DA009	700	300	200	N	5	10	200	200	100	N
DA009	200	200	200	N	N	<10	150	150	--	7

Table 2. - Analyses of rock and saprolite samples.--Continued

Sample	V-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Au-ppm aa	Hg-ppm inst	As-ppm aa	Zn-ppm aa	Cu-ppm aa	Pb-ppm aa	Mo-ppm aa
DI03	150	150	N	300	.09	--	<10	55	16	<25	--
DI05	<10	N	N	10	N	--	--	--	--	--	--
DI05	N	N	N	N	N	--	<10	<25	<10	<25	--
DI06	300	70	N	150	.8	--	--	--	--	--	--
DI06	300	150	N	100	1.8	--	<10	130	52	<25	--
DI07	150	70	N	100	1.5	--	<10	60	45	41	--
DI07	200	50	N	150	2.2	--	--	--	--	--	--
DI08	300	150	N	200	.1	--	--	--	--	--	--
DI08	300	150	N	150	.06	--	<10	95	140	26	--
DL1	70	150	N	100	N	--	<10	71	17	<25	--
DL1	70	100	N	150	.04	--	--	--	--	--	--
DL2	30	30	N	50	.08	--	<10	52	26	40	--
DL2	70	50	N	100	.08	--	--	--	--	--	--
DL3	70	30	N	70	.1	--	<10	46	50	<25	--
DL3	70	50	N	150	.08	--	--	--	--	--	--
DL4	70	20	N	70	N	--	<10	44	33	33	--
DL4	100	20	N	150	.1	--	--	--	--	--	--
DL5	100	30	N	150	N	--	--	--	--	--	--
DL5	70	70	N	70	.05	--	<10	59	40	<25	--
DL6	70	50	N	150	.9	--	--	--	--	--	--
DL6	70	70	N	70	.2	--	<10	78	44	<25	--
DL7	100	20	N	100	.7	--	--	--	--	--	--
DL7	70	30	N	70	.3	--	10	42	52	<25	--
DL8	70	30	N	70	.6	--	<10	61	110	<25	--
DL8	100	20	N	150	.6	--	--	--	--	--	--
DL9	200	150	N	70	1.7	--	<10	100	360	<25	--
DL9	300	70	300	100	2.6	--	--	--	--	--	--
DP01	50	20	N	70	.06	--	<10	40	<24	<25	<2
DP02	50	15	N	50	.02	--	<10	35	<24	45	<2
DP03	10	N	N	10	.02	--	<10	<25	<24	25	2
DP04	50	15	N	50	.04	--	<10	<25	<24	25	<2
DP05	50	70	N	50	.02	--	20	40	<24	30	<2
DP06	50	10	N	30	.02	--	20	<25	180	<25	2
DP07	100	15	N	50	.1	--	10	35	<24	25	10
DP08	50	10	N	30	.02	--	<10	30	120	<25	2
DP09	150	30	<200	150	.02	--	<10	200	<24	<25	8
DP10	50	20	N	50	.3	--	<10	30	<24	<25	2
DP11	10	<10	<200	30	.04	--	<10	81	--	50	<4
DP12	150	10	N	50	.04	--	<10	30	48	30	<2
DP13	50	15	N	20	.06	--	<10	<25	<24	<25	2
DP14	50	70	N	70	.02	--	<10	60	<24	30	<2
DS1	10	N	N	15	.06	--	10	<25	<10	<25	--
DS1	20	10	N	30	.04	--	--	--	--	--	--
DS2	70	<10	N	100	.3	--	--	90	20	35	N
DS3	30	10	N	150	.07	--	10	<25	<10	<25	--
DS3	70	<10	N	200	.1	--	--	--	--	--	--
DA001	70	70	N	20	N	--	<10	25	35	<25	--
DA001	150	70	N	70	N	--	--	--	--	--	--
DA002	300	100	N	70	N	--	--	--	--	--	--
DA002	150	100	N	70	N	--	<10	52	39	<25	--
DA004	200	30	N	200	N	--	--	--	--	--	--
DA004	150	30	N	150	N	--	<10	40	41	<25	--
DA006	300	15	N	150	N	--	--	--	--	--	--
DA006	300	30	N	150	N	--	<10	49	45	<25	--
DA007	200	10	N	70	N	--	--	--	--	--	--
DA007	70	10	N	50	N	--	<10	<25	39	44	--
DA008	150	15	N	50	N	--	<10	33	46	35	--
DA008	300	10	N	70	N	--	--	--	--	--	--
DA009	700	30	N	150	N	--	--	--	--	--	--
DA009	300	30	N	150	N	--	<10	66	52	220	--

Table 2. - Analyses of rock and saprolite samples.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	B-ppm s	Ba-ppm s	Be-ppm s
DA010	34 29 33	84 1 13	1	.15	.005	.2	300	N	--	700	N
DA010	34 29 33	84 1 13	3	.3	<.05	.3	500	N	<10	700	<1
DA011	34 29 34	84 1 11	3	1	.01	.7	10,000	<1	--	700	N
DA011	34 29 34	84 1 11	7	.5	<.05	.7	>5,000	N	<10	700	<1
DA012	34 29 34	84 1 11	7	.015	.005	.7	1,500	N	--	50	N
DA012	34 29 34	84 1 11	10	.05	<.05	1	1,500	N	10	70	1
DA013	34 29 34	84 1 11	2	.2	<.05	.3	700	N	<10	500	<1
DA013	34 29 34	84 1 11	1.5	.3	.005	.2	700	N	--	500	1
DA015	34 29 28	84 1 23	7	.7	.005	.3	1,500	N	--	70	N
DA015	34 29 28	84 1 23	10	.7	<.05	.7	1,500	N	<10	100	<1
DA016	34 29 28	84 1 23	5	1	<.05	.7	700	N	<10	300	<1
DA016	34 29 28	84 1 23	3	.5	.005	.3	700	N	--	150	N
DA017	34 29 28	84 1 23	3	.7	.005	.7	1,000	N	--	300	N
DA017	34 29 28	84 1 23	7	1	<.05	1	1,000	N	10	700	<1
DA020	34 29 48	84 2 14	5	1	<.05	.7	1,000	N	20	500	1
DA020	34 29 48	84 2 14	3	.5	.07	.3	1,500	N	--	300	N
DA021	34 29 54	84 2 15	15	1	<.05	.5	150	N	700	>5,000	2
DA021	34 29 54	84 2 15	>10	.7	.07	.3	150	N	--	7,000	2
DA022	34 29 54	84 2 15	>10	.2	.1	.2	100	10	--	20,000	N
DA022	34 29 54	84 2 15	10	.05	<.05	.1	100	10	30	>5,000	<1
DA024	34 28 23	84 2 30	7	1.5	1.5	.5	500	N	10	2,000	<1
DA024	34 28 23	84 2 30	5	1.5	1	.3	300	N	--	1,000	N
DA025	34 28 23	84 2 30	5	1	1	.3	500	N	--	700	N
DA025	34 28 23	84 2 30	10	.7	1.5	.5	500	N	<10	700	<1
DA028	34 28 31	84 2 29	10	1	.05	.5	700	N	<10	2,000	1.5
DA028	34 28 31	84 2 29	5	1	.15	.3	700	N	--	1,500	1
DA029	34 28 31	84 2 29	7	1	.1	.5	700	N	N	1,500	1.5
DA029	34 28 31	84 2 29	3	.5	.15	.2	700	N	--	700	1
DA030	34 28 31	84 2 29	3	.7	.02	.3	500	N	--	1,500	1
DA030	34 28 31	84 2 29	5	1	<.05	.7	700	N	20	3,000	1.5
DA031	34 28 31	84 2 29	10	1	N	.5	1,500	N	15	3,000	1.5
DA031	34 28 31	84 2 29	5	.7	.01	.3	1,000	N	--	700	1
DA032	34 28 31	84 2 29	1.5	.3	.01	.2	700	N	--	1,000	N
DA032	34 28 31	84 2 29	1.5	.2	N	.3	500	N	20	1,500	1
DA037	34 29 7	84 1 22	3	.02	.005	.2	3,000	N	--	50	N
DA037	34 29 7	84 1 22	2	.02	N	.2	2,000	N	N	70	<1
DA038	34 29 7	84 1 22	>10	.02	.005	.5	3,000	N	--	100	N
DA038	34 29 7	84 1 22	10	<.02	N	.7	3,000	N	15	150	<1
DA042	34 28 43	84 1 31	5	.2	.007	.3	2,000	N	--	100	N
DA042	34 28 43	84 1 31	10	.3	N	.7	3,000	N	150	200	<1
DA043	34 28 43	84 1 31	7	.5	.005	.5	1,000	N	--	100	N
DA043	34 28 43	84 1 31	5	.5	N	.7	1,500	N	<10	200	<1
DA044	34 28 43	84 1 31	10	.03	N	.7	2,000	N	10	150	<1
DA044	34 28 43	84 1 31	7	.02	.005	.3	3,000	N	--	70	N
DA045	34 28 43	84 1 30	7	.2	.02	.2	3,000	N	--	100	1
DA045	34 28 43	84 1 30	7	.1	N	.5	5,000	N	20	150	1
DA046	34 28 42	84 1 30	2	.5	.02	.2	500	N	--	300	N
DA046	34 28 42	84 1 30	2	.7	N	.3	500	N	<10	700	<1
DA047	34 28 42	84 1 30	3	.7	N	.3	700	N	N	500	<1
DA047	34 28 42	84 1 30	3	.7	.03	.2	500	N	--	200	N
DA048	34 28 42	84 1 30	5	.7	N	.5	700	N	N	700	1
DA048	34 28 42	84 1 30	3	.7	.02	.3	500	N	--	300	1
DA049	34 28 42	84 1 30	3	.3	N	.5	1,000	N	N	700	1
DA049	34 28 42	84 1 30	2	.5	.02	.2	500	N	--	300	N
DA050	34 28 42	84 1 30	3	.2	N	.3	1,000	N	N	500	1
DA050	34 28 42	84 1 30	2	.3	.005	.2	500	N	--	300	N
DA051	34 28 42	84 1 30	3	.5	.007	.3	1,500	N	--	500	N
DA051	34 28 42	84 1 30	5	.5	N	.3	1,500	N	10	700	1
DA052	34 28 42	84 1 30	5	.7	N	.5	1,000	N	<10	500	1
DA052	34 28 42	84 1 30	1.5	.5	.005	.2	700	N	--	200	N

Table 2. - Analyses of rock and saprolite samples.--Continued

Sample	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sc-ppm s	Sr-ppm s
DA010	7	15	20	N	N	<10	10	30	--	15
DA010	10	10	10	N	N	15	15	100	20	N
DA011	150	150	200	70	N	N	50	30	--	N
DA011	300	200	300	70	N	<10	100	150	70	N
DA012	30	20	150	N	N	<10	30	10	--	15
DA012	20	30	200	N	<5	<10	30	30	70	N
DA013	15	15	30	N	N	10	15	20	20	N
DA013	15	10	30	N	N	10	15	15	--	5
DA015	30	70	200	30	N	<10	50	20	--	N
DA015	100	200	200	30	N	10	100	50	70	N
DA016	20	100	100	70	N	10	50	20	20	N
DA016	15	50	70	30	N	<10	20	15	--	N
DA017	20	50	100	30	N	10	20	150	--	15
DA017	20	100	150	50	N	15	50	500	30	N
DA020	20	100	70	50	N	15	30	50	20	N
DA020	30	30	70	N	N	10	20	30	--	15
DA021	10	20	100	N	N	<10	5	100	70	100
DA021	7	15	50	N	N	N	3	30	--	30
DA022	5	10	70	N	N	N	5	30	--	1,000
DA022	N	10	50	N	5	10	<2	70	15	300
DA024	20	50	200	30	<5	<10	50	70	20	150
DA024	20	30	150	N	N	10	30	50	--	150
DA025	20	30	150	30	10	10	30	100	--	150
DA025	20	70	200	30	20	<10	50	150	15	150
DA028	20	70	300	70	5	10	50	150	20	N
DA028	30	50	150	70	N	10	30	70	--	10
DA029	20	50	150	70	10	10	20	70	15	50
DA029	20	20	70	50	N	10	20	30	--	15
DA030	30	30	100	N	7	10	30	30	--	15
DA030	30	70	150	50	20	15	30	50	30	<50
DA031	150	70	200	50	30	10	50	100	50	N
DA031	70	30	100	50	10	<10	30	50	--	15
DA032	30	15	50	70	N	<10	15	70	--	5
DA032	20	20	20	70	N	<10	5	150	10	N
DA037	200	70	150	70	N	<10	50	15	--	N
DA037	300	100	150	50	N	<10	50	50	30	N
DA038	200	300	200	N	N	<10	150	15	--	5
DA038	150	300	100	N	N	10	100	50	70	N
DA042	50	150	100	N	N	N	50	15	--	7
DA042	50	150	150	N	N	<10	70	70	50	N
DA043	30	70	150	N	N	N	30	10	--	N
DA043	30	50	150	N	N	<10	30	30	50	N
DA044	150	150	200	N	N	10	70	50	70	N
DA044	70	70	200	N	N	N	50	20	--	5
DA045	150	50	150	30	N	N	50	30	--	5
DA045	300	70	200	50	N	10	70	50	70	N
DA046	15	15	30	30	N	10	10	10	--	5
DA046	15	20	30	50	N	15	5	20	15	N
DA047	15	10	30	50	N	15	5	50	15	N
DA047	15	15	30	30	N	10	10	15	--	7
DA048	15	20	70	30	N	15	5	50	20	N
DA048	15	15	30	N	N	15	10	15	--	5
DA049	15	20	70	20	N	15	30	50	20	N
DA049	15	10	30	N	N	10	20	15	--	5
DA050	15	20	70	20	N	20	30	50	30	N
DA050	15	10	30	N	N	10	20	10	--	15
DA051	50	15	30	N	N	10	20	20	--	5
DA051	70	20	70	N	N	15	20	70	30	N
DA052	15	50	70	30	N	20	20	50	20	N
DA052	20	15	30	N	N	10	15	10	--	5

Table 2. - Analyses of rock and saprolite samples.--Continued

Sample	V-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Au-ppm aa	Hg-ppm inst	As-ppm aa	Zn-ppm aa	Cu-ppm aa	Pb-ppm aa	Mo-ppm aa
DA010	70	10	N	300	N	--	<10	<25	<10	<25	--
DA010	70	10	N	300	.06	--	--	--	--	--	--
DA011	300	200	N	150	N	--	<10	31	110	<25	--
DA011	700	200	N	150	N	--	--	--	--	--	--
DA012	150	15	N	150	N	--	<10	30	40	<25	--
DA012	300	20	N	300	.04	--	--	--	--	--	--
DA013	100	10	N	500	.6	--	--	--	--	--	--
DA013	70	10	N	300	.3	--	<10	<25	<10	<25	--
DA015	150	150	N	100	.1	--	<10	96	56	<25	--
DA015	200	200	N	200	N	--	--	--	--	--	--
DA016	150	100	N	700	N	--	--	--	--	--	--
DA016	70	70	N	150	N	--	<10	110	25	<25	--
DA017	150	70	N	300	N	--	<10	81	38	140	--
DA017	200	70	N	500	N	--	--	--	--	--	--
DA020	100	15	N	700	.02	--	--	--	--	--	--
DA020	70	20	N	300	N	--	<10	37	26	<25	--
DA021	300	<10	N	70	N	--	--	--	--	--	--
DA021	200	N	N	100	N	--	20	<25	<10	<25	--
DA022	150	N	N	30	.2	--	80	<25	14	<25	--
DA022	100	N	N	20	.06	--	--	--	--	--	--
DA024	150	50	<200	150	N	--	--	--	--	--	--
DA024	100	30	N	70	N	--	<10	48	135	<25	--
DA025	100	50	N	70	.2	--	<10	54	165	37	--
DA025	100	50	<200	150	.3	--	--	--	--	--	--
DA028	150	70	<200	200	N	--	--	--	--	--	--
DA028	150	70	N	70	N	--	<10	83	190	44	--
DA029	150	70	N	100	N	--	--	--	--	--	--
DA029	70	50	N	50	N	--	<10	50	39	<25	--
DA030	150	50	N	70	N	--	<10	98	57	<25	--
DA030	200	70	N	200	N	--	--	--	--	--	--
DA031	200	70	N	150	N	--	--	--	--	--	--
DA031	150	70	N	70	N	--	<10	95	53	35	--
DA032	50	30	N	50	N	--	<10	29	25	120	--
DA032	100	30	N	70	.04	--	--	--	--	--	--
DA037	100	15	N	50	N	--	<10	<25	34	<25	--
DA037	150	15	N	50	N	--	--	--	--	--	--
DA038	300	30	N	70	N	--	<10	42	38	<25	--
DA038	500	20	N	150	N	--	--	--	--	--	--
DA042	150	30	N	70	.1	--	<10	48	37	<25	--
DA042	300	30	N	150	.2	--	--	--	--	--	--
DA043	150	50	N	70	.2	--	<10	70	105	<25	--
DA043	300	70	N	200	N	--	--	--	--	--	--
DA044	500	50	N	150	.04	--	--	--	--	--	--
DA044	200	50	N	70	N	--	<10	59	55	<25	--
DA045	150	150	N	70	N	--	<10	73	130	<25	--
DA045	300	100	N	150	N	--	--	--	--	--	--
DA046	70	20	N	150	N	--	<10	<25	11	<25	--
DA046	70	30	N	300	N	--	--	--	--	--	--
DA047	70	30	N	500	.04	--	--	--	--	--	--
DA047	70	30	N	150	N	--	<10	33	12	<25	--
DA048	70	50	N	700	N	--	--	--	--	--	--
DA048	70	30	N	200	N	--	<10	31	12	<25	--
DA049	100	20	N	500	N	--	--	--	--	--	--
DA049	70	15	N	150	N	--	<10	<25	12	<25	--
DA050	100	20	N	500	.06	--	--	--	--	--	--
DA050	70	15	N	150	.1	--	<10	<25	10	<25	--
DA051	70	15	N	150	.06	--	<10	<25	16	<25	--
DA051	100	15	N	500	.1	--	--	--	--	--	--
DA052	100	20	N	700	.08	--	--	--	--	--	--
DA052	70	15	N	150	N	--	30	26	13	<25	--

Table 2. - Analyses of rock and saprolite samples.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	B-ppm s	Ba-ppm s	Be-ppm s
DA053	34 28 42	84 1 30	2	.5	.005	.2	1,000	N	--	200	N
DA053	34 28 42	84 1 30	3	.3	N	.3	1,000	N	N	300	<1
DA054	34 28 42	84 1 30	10	.1	N	1	2,000	N	N	100	1
DA054	34 28 42	84 1 30	3	.5	.005	.5	1,500	N	--	50	N
DA055	34 28 42	84 1 30	2	.5	.007	.2	300	N	--	100	N
DA055	34 28 42	84 1 30	5	.7	N	.5	700	N	N	150	<1
DA067	34 28 31	84 1 43	1	.15	.02	.07	700	N	--	30	N
DA067	34 28 31	84 1 43	1.5	.1	.05	.1	1,000	N	N	300	<1
DA068	34 28 31	84 1 43	15	1.5	1	1	2,000	N	10	100	<1
DA068	34 28 31	84 1 43	7	2	1	.7	1,500	N	--	70	N
DA069	34 28 31	84 1 43	7	.7	.005	.5	2,000	N	--	150	1
DA069	34 28 31	84 1 43	15	.3	N	1	3,000	N	10	150	1
DA070	34 28 31	84 1 43	15	.05	N	>1	1,500	N	<10	70	1
DA070	34 28 31	84 1 43	7	.2	.005	.7	200	N	--	70	N
DA071	34 28 31	84 1 43	5	.02	.005	.3	1,500	N	--	50	N
DA071	34 28 31	84 1 43	7	.02	N	1	1,000	N	<10	70	<1
DA072	34 28 31	84 1 43	5	.3	.005	.3	700	N	--	150	N
DA072	34 28 31	84 1 43	7	.03	N	.7	700	N	N	150	<1
DA073	34 28 31	84 1 43	2	.02	<.05	.3	5,000	N	<10	100	<1
DA073	34 28 31	84 1 43	1.5	.03	.005	.15	3,000	N	--	70	N
DA074	34 28 31	84 1 43	5	.03	.005	.3	1,500	N	--	70	N
DA074	34 28 31	84 1 43	10	.03	N	1	1,000	N	<10	50	<1
DA075	34 28 31	84 1 43	3	.02	.005	.1	2,000	N	--	70	N
DA075	34 28 31	84 1 43	5	<.02	N	.2	1,500	N	<10	70	<1
DA076	34 28 31	84 1 43	7	.03	N	.7	500	N	<10	50	<1
DA076	34 28 31	84 1 43	3	.02	.007	.3	700	N	--	50	N
DA077	34 28 31	84 1 43	5	.02	.005	.3	1,000	N	--	30	N
DA077	34 28 31	84 1 43	10	.05	N	.7	1,000	N	<10	30	1
DA078	34 28 31	84 1 43	2	.03	.005	.2	300	N	--	30	N
DA078	34 28 31	84 1 43	3	.02	N	.5	200	N	N	30	1
DA079	34 28 31	84 1 43	10	.02	N	.7	1,000	N	<10	20	N
DA079	34 28 31	84 1 43	7	.03	.005	.3	1,000	N	--	20	N
DA080	34 28 31	84 1 43	5	.03	.005	.3	2,000	N	--	70	N
DA080	34 28 31	84 1 43	10	.02	<.05	.5	3,000	N	<10	150	<1
DA081	34 28 31	84 1 43	3	.1	.007	.3	150	N	--	500	N
DA081	34 28 31	84 1 43	5	.07	N	.5	200	N	N	700	<1
DA086	34 28 20	84 2 9	3	1	.15	.3	300	N	--	700	N
DA086	34 28 20	84 2 9	7	1.5	.07	.3	500	N	10	700	<1
DA087	34 28 20	84 2 9	7	2	.5	.2	700	N	100	700	<1
DA087	34 28 20	84 2 9	3	1	.3	.15	700	N	--	500	N
DA088	34 28 20	84 2 10	10	.2	.07	.3	70	15	50	>5,000	<1
DA088	34 28 20	84 2 10	3	.2	.15	.3	70	15	--	15,000	N
DA089	34 28 20	84 2 11	3	.05	N	.15	100	N	300	1,500	<1
DA089	34 28 20	84 2 11	2	.1	.005	.07	70	N	--	700	N
DA090	34 28 20	84 2 11	7	.1	.05	.3	300	7	70	3,000	<1
DA090	34 28 20	84 2 11	3	.3	.07	.15	70	2	--	2,000	N
DA093	34 28 30	84 2 29	7	.3	.005	.15	1,000	N	--	700	2
DA093	34 28 30	84 2 29	10	.5	N	.3	700	N	10	1,500	1.5
DA094	34 28 30	84 2 29	5	1	N	.3	150	N	10	2,000	1
DA094	34 28 30	84 2 29	1.5	.7	.005	.3	150	N	--	2,000	N
DA095	34 28 30	84 2 29	10	1	.07	.3	700	N	N	2,000	1
DA095	34 28 30	84 2 29	3	.5	.15	.3	500	N	--	1,500	1
DA099	34 28 16	84 3 52	10	1	N	.7	1,500	N	20	500	1.5
DA099	34 28 16	84 3 52	3	.5	.005	.3	700	N	--	300	1
DA102	34 27 22	84 1 23	3	.7	.005	.3	700	N	--	150	N
DA102	34 27 22	84 1 23	10	1	N	1	1,000	N	50	300	1
DA110	34 22 59	84 7 27	7	.5	.03	.5	500	N	--	500	1.5
DA111	34 24 41	84 6 13	5	.05	.01	.3	500	N	--	500	N
DA112	34 23 33	84 5 18	5	.3	.03	.2	500	N	--	1,000	1.5
DA113	34 25 50	84 4 17	5	.3	.005	.3	150	N	--	500	N

Table 2. - Analyses of rock and saprolite samples.--Continued

Sample	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sc-ppm s	Sr-ppm s
DA053	70	15	30	N	N	10	20	15	--	N
DA053	100	30	30	N	N	10	20	30	15	N
DA054	100	50	100	30	N	15	30	50	50	N
DA054	70	20	100	N	N	<10	20	15	--	N
DA055	15	15	50	N	N	<10	15	10	--	N
DA055	15	30	70	<20	N	20	20	20	20	N
DA067	30	10	30	30	N	N	15	N	--	30
DA067	20	30	20	30	N	<10	5	10	15	N
DA068	50	300	100	N	N	10	70	70	50	N
DA068	70	200	100	N	N	N	50	30	--	N
DA069	100	150	200	N	N	N	70	20	--	N
DA069	100	150	300	N	N	10	100	30	50	N
DA070	150	70	100	N	N	N	70	50	50	N
DA070	70	70	100	N	N	<10	50	15	--	N
DA071	30	30	70	N	N	10	30	15	--	N
DA071	50	50	50	N	N	10	50	30	50	N
DA072	30	50	70	N	N	10	30	15	--	N
DA072	30	50	30	N	N	10	30	10	30	N
DA073	700	30	50	N	N	<10	50	30	15	N
DA073	500	15	70	N	N	<10	30	20	--	N
DA074	30	70	150	N	N	<10	30	15	--	N
DA074	50	70	150	N	N	10	50	30	50	N
DA075	150	15	50	N	N	N	20	15	--	N
DA075	200	70	20	N	N	<10	20	10	20	N
DA076	50	50	100	N	N	10	50	20	30	N
DA076	30	30	100	N	N	<10	30	15	--	N
DA077	30	50	150	N	N	N	30	15	--	N
DA077	20	70	150	N	N	10	50	20	70	N
DA078	10	15	50	N	N	10	30	10	--	N
DA078	10	20	50	N	N	10	50	20	20	N
DA079	50	100	150	N	N	10	100	500	70	N
DA079	30	70	200	N	N	<10	50	200	--	N
DA080	300	70	200	N	N	N	50	300	--	N
DA080	300	100	100	N	N	10	70	700	50	N
DA081	7	30	70	N	N	10	70	50	--	5
DA081	10	50	50	N	N	15	70	100	30	N
DA086	3	15	200	N	N	<10	5	150	--	70
DA086	N	10	200	N	N	10	10	200	30	100
DA087	15	10	150	N	N	10	10	150	30	100
DA087	7	10	150	N	N	<10	10	70	--	70
DA088	20	10	300	N	N	10	15	10,000	30	100
DA088	15	15	300	N	N	<10	10	1,500	--	100
DA089	N	N	30	N	N	<10	5	300	10	N
DA089	N	7	70	N	N	<10	N	150	--	15
DA090	N	10	200	N	15	10	5	1,500	30	70
DA090	N	15	150	N	10	<10	N	700	--	70
DA093	30	30	150	30	N	<10	30	70	--	7
DA093	30	20	70	20	10	10	30	70	15	N
DA094	10	50	50	20	7	10	20	50	15	N
DA094	15	30	150	N	10	<10	20	30	--	15
DA095	50	70	100	50	10	<10	30	50	20	N
DA095	30	30	150	30	N	<10	30	30	--	15
DA099	50	70	30	100	N	15	30	70	15	50
DA099	30	50	50	150	N	10	30	30	--	30
DA102	30	50	70	N	N	<10	30	30	--	5
DA102	100	100	50	50	N	15	30	30	30	N
DA110	20	70	70	70	N	10	30	30	--	15
DA111	5	50	30	N	N	10	15	50	--	10
DA112	30	50	70	50	N	10	20	20	--	50
DA113	N	10	15	N	N	N	N	30	--	15

Table 2. - Analyses of rock and saprolite samples.--Continued

Sample	V-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Au-ppm aa	Hg-ppm inst	As-ppm aa	Zn-ppm aa	Cu-ppm aa	Pb-ppm aa	Mo-ppm aa
DA053	70	20	N	150	.2	--	<10	28	14	<25	--
DA053	70	15	N	700	N	--	--	--	--	--	--
DA054	200	50	N	500	N	--	--	--	--	--	--
DA054	150	30	N	150	.3	--	20	31	25	<25	--
DA055	70	30	N	200	.2	--	30	<25	16	<25	--
DA055	100	70	N	1,000	.06	--	--	--	--	--	--
DA067	50	10	N	20	N	--	60	<25	12	<25	--
DA067	100	10	N	30	N	--	--	--	--	--	--
DA068	300	50	N	200	N	--	--	--	--	--	--
DA068	300	50	N	100	N	--	<10	61	40	28	--
DA069	300	30	N	100	N	--	<10	47	58	<25	--
DA069	300	30	N	200	N	--	--	--	--	--	--
DA070	300	15	N	150	N	--	--	--	--	--	--
DA070	300	20	N	100	N	--	<10	38	26	<25	--
DA071	150	20	N	150	.09	--	<10	<25	15	<25	--
DA071	200	20	N	200	.1	--	--	--	--	--	--
DA072	150	20	N	150	N	--	<10	<25	25	<25	--
DA072	150	20	N	200	N	--	--	--	--	--	--
DA073	150	15	N	150	N	--	--	--	--	--	--
DA073	70	20	N	100	N	--	<10	47	19	<25	--
DA074	200	20	N	70	N	--	<10	33	115	<25	--
DA074	300	20	N	150	N	--	--	--	--	--	--
DA075	70	N	N	20	N	--	<10	42	28	<25	--
DA075	200	<10	N	30	N	--	--	--	--	--	--
DA076	150	50	N	300	N	--	--	--	--	--	--
DA076	100	50	N	200	N	--	<10	<25	24	<25	--
DA077	200	15	N	70	N	--	<10	30	49	<25	--
DA077	500	15	N	150	N	--	--	--	--	--	--
DA078	50	15	N	150	N	--	<10	<25	12	<25	--
DA078	100	20	N	200	N	--	--	--	--	--	--
DA079	500	10	N	100	N	--	--	--	--	--	--
DA079	200	N	N	70	N	--	<10	94	57	240	--
DA080	200	N	N	50	N	--	<10	79	120	400	--
DA080	500	<10	N	50	N	--	--	--	--	--	--
DA081	100	30	N	300	N	--	<10	<25	16	44	--
DA081	150	15	N	100	N	--	--	--	--	--	--
DA086	150	15	700	70	N	--	<10	<25	220	34	--
DA086	200	N	500	70	.02	--	--	--	--	--	--
DA087	150	10	1,000	70	N	--	--	--	--	--	--
DA087	150	10	1,500	30	N	--	<10	240	130	39	--
DA088	200	N	7,000	70	.1	--	--	--	--	--	--
DA088	150	N	3,000	50	.2	--	<10	2,800	300	210	--
DA089	100	N	N	20	N	--	--	--	--	--	--
DA089	50	N	N	20	N	--	<10	140	30	110	--
DA090	200	N	N	70	.04	--	--	--	--	--	--
DA090	150	N	N	50	.07	--	<10	52	140	310	--
DA093	100	30	N	70	N	--	<10	70	42	48	--
DA093	150	50	N	100	N	--	--	--	--	--	--
DA094	150	30	N	100	N	--	--	--	--	--	--
DA094	150	30	N	70	N	--	<10	63	50	<25	--
DA095	150	50	N	150	N	--	--	--	--	--	--
DA095	150	30	N	70	.2	--	<10	68	130	<25	--
DA099	100	70	N	500	N	--	--	--	--	--	--
DA099	70	70	N	300	N	--	<10	190	14	<25	--
DA102	100	20	N	300	.1	--	<10	61	20	<25	--
DA102	150	50	N	300	N	--	--	--	--	--	--
DA110	200	30	N	150	<.02	.63	60	60	25	<25	--
DA111	150	N	N	500	<.02	.7	<10	80	25	<25	--
DA112	70	50	N	100	<.02	.58	<10	85	25	<25	--
DA113	50	<10	N	300	.11	2.5	<10	<25	<10	<25	--

Table 2. - Analyses of rock and saprolite samples.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	B-ppm s	Ba-ppm s	Be-ppm s
DA114	34 25 50	84 4 17	.2	.05	.015	.02	70	N	--	70	N
DA115	34 25 19	84 2 25	7	1	.01	.3	300	N	--	700	1.5
DA116	34 25 5	84 2 3	10	7	5	.7	1,500	N	--	70	N
DA117	34 25 5	84 2 3	5	.5	.02	.2	10,000	N	--	1,000	1
DA118	34 25 5	84 2 3	5	1.5	.015	.3	1,500	N	--	1,000	1.5
DA119	34 25 5	84 2 3	7	1	.2	.7	1,000	N	--	1,000	1
DA120	34 29 30	84 6 20	3	.7	<.02	.5	500	N	15	500	1.5
DA121	34 29 30	84 6 20	.5	.02	<.02	.03	20	<.5	N	70	<1
DA122	34 29 8	84 4 16	3	1	<.02	.3	1,000	N	20	500	1
DA123	34 26 23	84 5 3	2	.5	<.02	.3	700	N	<10	150	1.5
DA124	34 26 23	84 5 3	.2	<.02	<.02	.03	20	N	N	<20	<1
DA125	34 26 23	84 5 2	3	.7	<.02	.3	700	N	<10	300	1.5
DA126	34 26 44	84 6 22	3	1	.05	.3	1,000	N	10	700	1
DA127	34 26 41	84 7 16	5	.5	<.02	.5	500	N	50	700	1
DA128	34 26 41	84 7 16	.1	<.02	<.02	.007	20	N	N	<20	N
DA129	34 27 31	84 2 53	1.5	.1	1	.15	300	<.5	10	150	1
DA130	34 27 31	84 2 53	.5	<.02	N	N	30	N	N	N	N
DA131	34 27 12	84 3 11	3	1	.5	.15	1,000	N	30	300	2
DA132	34 27 12	84 3 11	<.05	.03	<.02	.003	100	N	N	20	N
DA133	34 27 12	84 3 11	.7	.1	<.02	.02	700	N	20	30	<1
DA134	34 27 12	84 3 11	2	.5	<.02	.1	700	N	<10	300	1
DA135	34 27 12	84 3 11	2	1	.7	.2	700	N	200	500	1.5
DA136	34 27 12	84 3 11	3	1	1	.2	1,000	N	200	500	1.5
DA137	34 27 12	84 3 11	1	.2	.05	.03	1,500	N	10	100	N
DA138	34 28 20	84 3 11	2	1	.3	.3	500	N	10	300	<1
DA139	34 28 22	84 3 20	1.5	.3	<.02	.2	200	N	<10	300	1.5
DA140	34 28 22	84 3 20	.2	.02	<.02	.03	30	N	N	50	N
DA141	34 28 40	84 3 1	2	.7	<.02	.3	500	<.5	N	500	1
DA142	34 28 40	84 3 1	1.5	.2	<.02	.15	300	N	<10	500	<1
DA143	34 28 38	84 3 0	2	1	<.02	.2	700	<.5	<10	300	1.5
DA144	34 28 38	84 3 0	1	.2	<.02	.1	500	<.5	<10	300	<1
DA145	34 28 37	84 2 59	2	.7	<.02	.2	1,000	<.5	<10	300	1
DA146	34 28 37	84 2 59	.5	.07	<.02	.03	300	N	N	150	<1
DA147	34 28 37	84 2 59	2	.7	<.02	.2	300	<.5	<10	300	2
DA148	34 27 56	84 2 0	3	1.5	1	.5	1,000	N	<10	200	N
DA149	34 27 56	84 2 0	1.5	.15	.1	.1	500	<.5	N	50	<1
DA150	34 27 56	84 2 0	2	.5	.15	.3	500	N	N	150	<1
DA151	34 27 53	84 1 55	5	2	2	1	1,000	N	10	N	N
DA152	34 27 58	84 1 54	3	2	1.5	.5	1,000	N	20	70	<1
DA153	34 28 5	84 1 50	1	.15	<.02	.15	100	N	N	20	N
DA154	34 28 5	84 1 50	5	.7	.2	.5	700	N	50	70	<1
DA155	34 28 5	84 1 50	5	.15	.05	.5	500	N	10	20	<1
DA156	34 28 7	84 1 51	2	.5	.05	>1	300	N	N	300	1
DA157	34 28 7	84 1 51	1	<.02	N	<.002	30	N	N	N	N
DA158	34 28 14	84 1 53	5	.7	.1	>1	1,000	<.5	10	150	<1
DA160	34 28 9	84 2 2	3	2	1.5	.5	1,000	N	30	30	N
DA161	34 28 9	84 2 2	2	.3	.15	.15	700	N	20	N	N
DA162	34 28 15	84 2 5	5	.7	.03	.2	5,000	N	<10	300	1
DA163	34 28 14	84 4 15	2	.3	.02	.3	500	N	<10	300	1.5
DA164	34 28 13	84 5 21	3	.7	<.02	.3	1,000	N	20	500	2
DA165	34 28 13	84 5 21	1	.05	.02	.07	200	N	<10	100	<1
DA166	34 25 53	84 5 58	2	.07	<.05	.5	200	N	<10	100	<1
DA167	34 25 53	84 5 58	.15	<.02	<.05	.02	20	N	N	N	N
DA168	34 25 23	84 5 13	3	.7	<.05	.5	500	N	15	300	1
DA169	34 25 23	84 5 13	.5	.05	<.05	.05	500	N	N	N	N
DA170	34 24 59	84 5 1	2	.7	<.05	.3	500	N	<10	300	1
DA171	34 24 59	84 5 1	.15	.03	<.05	.01	100	N	N	N	N
DA172	34 24 43	84 4 49	3	.2	.05	.5	700	N	50	300	1
DA173	34 24 43	84 4 49	.7	<.02	<.05	.03	500	N	N	N	N
DA174	34 24 24	84 4 31	3	.07	<.05	.5	500	N	20	200	<1

Table 2. - Analyses of rock and saprolite samples.--Continued

Sample	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sc-ppm s	Sr-ppm s
DA114	<3	1	5	N	N	N	N	N	--	N
DA115	7	30	70	30	N	N	20	15	--	15
DA116	15	200	100	N	N	N	100	N	--	100
DA117	10	20	150	30	N	N	20	20	--	15
DA118	15	70	100	50	N	N	50	30	--	15
DA119	10	70	100	50	N	<10	50	15	--	30
DA120	10	70	30	N	N	10	7	15	N	N
DA121	N	<5	<2	N	N	<10	5	N	10	N
DA122	20	50	30	70	N	20	10	15	10	N
DA123	10	5	3	70	<5	20	5	10	N	N
DA124	5	<5	<2	N	N	<10	5	<10	15	N
DA125	7	<5	3	20	N	20	N	70	10	N
DA126	20	30	<2	50	N	10	70	15	7	N
DA127	10	50	20	N	N	15	7	20	15	N
DA128	<5	N	<2	N	N	<10	<5	N	N	N
DA129	20	10	50	N	N	N	10	30	20	N
DA130	5	<5	2	N	N	N	N	<10	N	N
DA131	70	5	30	70	N	N	20	20	20	N
DA132	15	<5	<2	N	N	N	<5	N	N	N
DA133	30	<5	<2	N	N	N	5	N	N	N
DA134	30	10	30	N	N	N	10	15	10	N
DA135	50	10	30	N	N	N	10	15	20	100
DA136	30	7	100	N	N	N	20	20	20	50
DA137	10	<5	30	N	N	N	5	N	5	N
DA138	15	70	20	N	N	10	20	10	10	<50
DA139	5	<5	2	30	N	30	5	20	15	N
DA140	N	<5	<2	N	N	<10	N	N	N	N
DA141	7	<5	15	70	5	20	5	200	15	N
DA142	7	N	7	N	<5	10	N	50	7	N
DA143	10	<5	3	100	<5	20	<5	50	15	N
DA144	5	<5	5	70	7	10	<5	100	7	N
DA145	15	<5	2	100	N	15	<5	30	10	N
DA146	5	<5	<2	N	N	<10	<5	<10	N	N
DA147	10	<5	20	70	<5	10	<5	15	10	N
DA148	30	150	50	N	N	10	100	10	30	150
DA149	10	10	10	N	N	<10	7	<10	7	N
DA150	15	30	30	30	N	10	7	10	10	N
DA151	30	150	50	N	N	<10	70	<10	20	100
DA152	50	150	100	N	N	10	100	<10	30	100
DA153	10	10	7	N	N	<10	7	N	7	N
DA154	50	100	50	N	N	<10	100	N	30	N
DA155	50	30	50	N	N	<10	30	<10	20	N
DA156	15	15	30	N	N	15	5	10	10	N
DA157	10	<5	30	N	N	N	5	N	N	N
DA158	50	50	150	N	N	<10	70	30	30	N
DA160	30	200	150	N	N	<10	100	10	30	100
DA161	20	30	100	N	N	<10	20	N	7	N
DA162	15	30	150	N	N	<10	70	50	7	N
DA163	15	50	30	30	N	10	20	15	10	N
DA164	15	100	30	N	N	10	10	20	20	N
DA165	10	5	<5	N	N	<10	5	N	5	N
DA166	5	<10	<5	N	N	10	7	15	7	N
DA167	N	N	<5	N	N	N	N	N	N	N
DA168	20	30	30	N	N	10	20	15	15	N
DA169	15	N	7	N	N	N	7	N	N	N
DA170	15	<10	<5	100	N	10	5	15	15	N
DA171	5	N	<5	N	N	N	<5	N	N	N
DA172	15	70	30	N	N	10	20	20	30	N
DA173	20	N	<5	N	N	<10	5	N	N	N
DA174	10	20	20	N	N	10	20	10	30	N

Table 2. - Analyses of rock and saprolite samples.--Continued

Sample	V-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Au-ppm aa	Hg-ppm inst	As-ppm aa	Zn-ppm aa	Cu-ppm aa	Pb-ppm aa	Mo-ppm aa
DA114	N	N	N	N	.1	.4	<10	<25	10	<25	--
DA115	70	15	N	150	.07	.44	<10	<25	<10	<25	--
DA116	200	30	N	30	.1	.29	<10	35	20	<25	--
DA117	70	30	N	50	.09	.63	20	70	40	<25	--
DA118	100	50	N	150	.07	.65	<10	130	35	<25	--
DA119	150	70	N	150	<.02	.44	<10	95	50	<25	--
DA120	70	20	<200	150	N		--	100	42	14	3
DA121	<10	N	N	50	N		--	6	<5	<5	4
DA122	50	50	<200	100	N		--	42	55	14	2
DA123	15	30	N	500	N		--	28	9	120	4
DA124	<10	N	N	50	N		--	5	<5	12	<2
DA125	10	50	<200	500	N		--	36	7	40	3
DA126	50	20	<200	150	N		--	82	5	12	2
DA127	100	10	N	200	N		--	20	16	20	2
DA128	<10	N	N	N	N		--	<5	<5	<5	2
DA129	150	N	200	50	N		--	61	110	44	3
DA130	<10	N	N	N	N		--	23	12	20	4
DA131	100	50	<200	70	N		--	130	36	26	3
DA132	10	N	N	N	N		--	<5	<5	<5	3
DA133	20	N	N	N	N		--	8	5	6	3
DA134	100	<10	<200	50	N		--	59	58	20	3
DA135	150	15	<200	70	N		--	95	54	16	8
DA136	100	15	<200	70	N		--	67	110	20	4
DA137	30	N	N	N	N		--	11	47	<5	4
DA138	70	20	N	200	N		--	46	20	5	4
DA139	10	50	N	500	N		--	12	<5	16	4
DA140	N	30	<200	70	N		--	<5	<5	<5	6
DA141	<10	50	N	500	2.3		--	140	17	130	6
DA142	<10	20	<200	200	.7		--	58	15	40	4
DA143	10	50	<200	300	.02		--	140	9	32	4
DA144	<10	50	N	200	.08		--	150	13	96	8
DA145	30	30	N	300	N		--	57	10	20	3
DA146	10	<10	N	70	N		--	17	9	8	4
DA147	30	30	<200	300	N		--	87	26	14	4
DA148	150	20	<200	70	.4		--	82	77	8	3
DA149	30	<10	N	70	.4		--	16	22	<5	4
DA150	50	20	N	200	N		--	28	38	<5	4
DA151	150	30	<200	100	N		--	50	95	<5	4
DA152	200	15	<200	100	N		--	64	96	6	3
DA153	50	N	N	<10	N		--	11	10	<5	4
DA154	300	15	<200	70	N		--	69	69	12	2
DA155	300	10	<200	100	N		--	60	79	16	3
DA156	30	15	N	200	N		--	40	27	<5	4
DA157	<10	N	N	N	N		--	<5	64	<5	4
DA158	200	20	500	70	N		--	530	170	36	2
DA160	300	15	<200	70	N		--	50	150	8	3
DA161	100	<10	N	10	N		--	17	110	6	4
DA162	100	10	N	50	N		--	43	100	48	4
DA163	100	20	N	150	N		--	16	28	8	4
DA164	100	15	<200	100	N		--	32	20	12	4
DA165	15	<10	N	70	N		--	9	8	6	4
DA166	50	N	N	300	N	--	--	<5	<5	8	4
DA167	<10	N	N	N	N	--	--	<5	<5	<5	4
DA168	100	15	<200	150	N	--	--	86	65	14	4
DA169	10	N	N	<10	N	--	--	5	10	14	4
DA170	50	50	N	300	N	--	--	25	<5	6	4
DA171	<10	N	N	N	N	--	--	<5	<5	<5	8
0A172	200	10	N	150	N	--	--	30	56	20	2
DA173	10	N	N	N	N	--	--	7	7	<5	3
DA174	100	10	N	300	N	--	--	7	14	12	3

Table 2. - Analyses of rock and saprolite samples.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	B-ppm s	Ba-ppm s	Be-ppm s
DA175	34 24 12	84 4 9	3	.7	<.05	.3	700	N	50	300	2
DA176	34 24 12	84 4 9	1.5	.1	.15	.15	700	N	<10	300	<1
DA177	34 24 12	84 4 9	3	.7	<.05	.2	500	N	30	500	1
DA178	34 23 55	84 3 51	3	1	<.05	.3	500	N	50	300	1.5
DA179	34 23 55	84 3 51	3	1	<.05	.2	3,000	N	50	300	1
DA180	34 23 45	84 3 37	3	1	<.05	.3	1,000	N	10	500	1.5
DA181	34 23 45	84 3 37	1	.07	<.05	.05	500	N	N	300	1
DA182	34 23 45	84 3 37	.7	.07	<.05	.07	500	N	10	150	<1
DA183	34 27 0	84 0 53	3	1	<.05	.3	700	N	10	300	1
DA184	34 27 0	84 0 53	.7	.07	<.05	.07	200	N	N	70	<1
DA186	34 28 42	84 2 5	7	1.5	.7	1	1,000	N	<10	300	<1
DA187	34 28 36	84 2 7	10	1.5	.15	>1	5,000	N	15	500	1
DA188	34 28 36	84 2 5	.3	.1	.15	.03	150	N	N	<20	N
DA189	34 28 36	84 2 5	7	2	.7	>1	1,000	N	15	700	1
DA190	34 28 32	84 2 9	10	.7	<.02	.3	70	N	15	1,000	N
DA191	34 28 36	84 2 0	15	.07	.07	.7	1,500	N	15	150	<1
DA192	34 28 40	84 1 58	5	.7	.15	.3	300	N	<10	150	1
DA193	34 28 40	84 1 59	5	.3	.15	.2	70	N	20	150	1
DA194	34 28 40	84 2 0	15	.15	<.02	.2	50	N	10	1,500	N
DA195	34 28 32	84 2 7	7	.15	<.02	.7	150	N	30	500	N
DA196	34 28 31	84 2 6	15	.3	.15	.3	100	N	50	700	N
DA197	34 28 32	84 2 4	10	.3	.3	.3	300	N	10	150	<1
DA198	34 28 36	84 2 2	7	.07	.2	.5	100	N	20	300	<1
DA199	34 28 22	84 2 11	5	1.5	3	.7	500	<.5	150	1,000	<1
DA200	34 28 22	84 2 11	20	.07	.05	.07	300	<.5	30	100	<1
DA201	34 28 22	84 2 11	5	1.5	.1	.3	150	3	30	>5,000	<1
DA202	34 28 22	84 2 11	7	2	1	.7	1,000	<.5	20	700	1
DA203	34 28 22	84 2 11	7	1	.3	.3	700	2	10	>5,000	<1
DA204	34 28 22	84 2 11	7	1	.3	.3	1,000	1.5	10	>5,000	1
DA205	34 28 22	84 2 11	7	.3	.07	.3	300	5	20	1,500	<1
DA206	34 28 22	84 2 10	7	3	.5	.3	5,000	1.5	700	1,500	<1
DA207	34 28 22	84 2 10	7	3	.3	.3	5,000	1	100	700	<1
DA208	34 28 22	84 2 10	5	2	.3	.3	5,000	1.5	10	500	<1
DA209	34 28 22	84 2 10	10	1.5	.7	.15	3,000	.5	<10	150	<1
DA210	34 28 22	84 2 10	7	2	2	.2	3,000	<.5	150	100	<1
DA211	34 28 22	84 2 10	7	1.5	3	.15	3,000	.5	<10	150	<1
DA212	34 28 22	84 2 10	7	2	.3	.3	1,500	<.5	10	300	<1
DA213	34 28 22	84 2 10	7	2	.7	.5	2,000	<.5	10	500	<1
DA214	34 28 22	84 2 10	7	1.5	.5	.3	2,000	.5	<10	700	<1
DA215	34 28 22	84 2 9	7	1.5	.5	.3	700	.7	<10	1,500	<1
DA216	34 28 22	84 2 9	7	1.5	.07	.3	300	.7	<10	1,500	<1
DA217	34 28 22	84 2 9	7	1	.07	.3	200	<.5	<10	1,500	<1
DA218	34 28 22	84 2 9	7	1.5	.3	.3	1,500	<.5	10	700	<1
DA219	34 28 22	84 2 9	7	2	.3	.3	2,000	<.5	15	150	<1
DA220	34 28 22	84 2 9	7	2	.1	.3	1,500	2	10	150	<1
DA221	34 28 22	84 2 9	5	3	3	.3	1,000	N	<10	150	<1
DA222	34 28 22	84 2 9	7	1.5	.7	.2	150	<.5	50	200	<1
DA223	34 28 26	84 2 34	10	.07	<.02	.5	>5,000	N	70	300	<1
DA224	34 28 26	84 2 34	.3	<.02	<.02	.02	1,000	N	<10	<20	N
DA225	34 28 26	84 2 34	7	.15	<.02	.7	5,000	N	15	300	<1
DA226	34 28 26	84 2 34	5	.03	<.02	.5	300	N	10	700	N
DA227	34 28 26	84 2 34	.3	<.02	<.02	.07	30	N	<10	150	N
DA228	34 28 26	84 2 34	7	.7	<.02	1	150	N	10	700	1
DA229	34 28 26	84 2 34	.7	.02	<.02	.07	20	N	<10	150	N
DA230	34 28 26	84 2 35	7	.3	.07	1	300	N	<10	1,500	1
DA231	34 28 26	84 2 35	5	.07	<.02	1	700	N	<10	200	<1
DA232	34 28 26	84 2 35	.15	<.02	<.02	.03	200	N	N	<20	N
DA233	34 28 26	84 2 35	5	.07	<.02	1	700	N	10	300	<1
DA234	34 28 26	84 2 35	.15	<.02	<.02	.015	200	N	N	<20	N
DA240	34 28 22	84 2 11	5	.2	<.05	.15	50	N	30	700	N

Table 2. - Analyses of rock and saprolite samples.--Continued

Sample	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sc-ppm s	Sr-ppm s
DA175	30	30	20	100	N	10	10	20	30	100
DA176	15	N	10	30	N	<10	7	<10	5	N
DA177	30	30	30	N	N	10	10	100	20	N
DA178	20	70	30	50	N	10	20	20	30	N
DA179	20	150	50	N	N	<10	100	10	50	N
DA180	20	70	30	100	N	10	70	20	30	N
DA181	30	N	10	20	N	<10	15	50	7	N
DA182	30	N	7	<20	N	<10	7	<10	<5	N
DA183	20	50	30	100	N	10	50	15	30	N
DA184	10	N	<5	N	N	<10	7	N	5	N
DA186	15	70	30	20	<5	10	30	15	20	100
DA187	50	70	70	50	7	15	70	15	20	<50
DA188	N	<5	7	<20	N	<10	N	N	<5	N
DA189	15	70	70	<20	<5	15	30	20	20	100
DA190	N	20	700	<20	7	10	<5	70	30	70
DA191	20	10	300	<20	7	10	10	30	30	50
DA192	N	<5	70	<20	<5	<10	<5	30	15	70
DA193	N	5	70	<20	<5	10	<5	30	15	70
DA194	N	30	100	20	10	10	<5	20	20	<50
DA195	<5	70	70	20	7	15	10	50	15	<50
DA196	N	30	70	<20	7	10	7	50	30	N
DA197	<5	7	150	<20	5	10	10	15	20	50
DA198	5	10	70	<20	<5	10	10	30	30	100
DA199	10	30	100	20	7	10	50	30	20	70
DA200	5	5	300	<20	20	<10	15	300	10	N
DA201	10	30	300	<20	<5	10	15	1,500	30	70
DA202	15	70	70	30	<5	10	50	30	15	100
DA203	20	15	300	<20	5	10	15	1,500	30	70
DA204	15	15	300	<20	7	10	10	1,500	30	70
DA205	10	10	2,000	<20	5	10	10	700	15	<50
DA206	15	30	200	<20	5	10	15	1,000	20	50
DA207	15	15	500	<20	<5	10	15	1,500	20	<50
DA208	15	7	300	<20	<5	10	10	300	15	<50
DA209	20	20	700	<20	7	10	15	30	15	<50
DA210	15	50	200	<20	5	10	15	70	20	100
DA211	15	70	300	<20	<5	<10	15	300	20	100
DA212	15	30	300	<20	<5	<10	10	70	20	70
DA213	15	20	500	<20	<5	<10	10	70	20	50
DA214	15	50	500	<20	<5	<10	15	50	20	<50
DA215	15	20	700	<20	5	<10	15	1,500	20	<50
DA216	15	15	300	<20	<5	<10	15	700	15	<50
DA217	15	15	200	<20	<5	<10	15	70	15	N
DA218	15	15	300	<20	<5	<10	15	70	15	N
DA219	15	30	500	<20	<5	<10	15	70	20	N
DA220	15	50	200	<20	<5	<10	15	1,500	20	N
DA221	20	30	200	<20	<5	<10	15	30	20	<50
DA222	20	50	150	<20	<5	<10	20	15	20	70
DA223	20	15	7	<20	<5	10	20	30	15	N
DA224	20	<5	<5	<20	N	<10	N	N	<5	N
DA225	15	5	7	<20	<5	<10	10	20	20	N
DA226	7	50	15	<20	10	<10	20	30	20	N
DA227	N	<5	5	<20	N	<10	N	N	5	N
DA228	5	70	150	20	5	10	30	100	20	N
DA229	N	<5	7	<20	N	<10	N	N	<5	N
DA230	10	50	150	30	10	10	30	100	20	N
DA231	10	100	30	20	<5	10	20	50	15	N
DA232	15	<5	5	<20	N	<10	N	N	N	N
DA233	10	50	15	<20	<5	10	30	15	15	N
DA234	<5	<5	5	<20	N	<10	N	N	N	N
DA240	N	30	100	N	N	N	<5	100	20	N

Table 2. - Analyses of rock and saprolite samples.--Continued

Sample	V-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Au-ppm aa	Hg-ppm inst	As-ppm aa	Zn-ppm aa	Cu-ppm aa	Pb-ppm aa	Mo-ppm aa
DA175	50	50	<200	150	N	--	--	70	35	6	4
DA176	20	<10	N	100	N	--	--	16	10	6	3
DA177	50	15	<200	100	N	--	--	98	38	40	4
DA178	70	20	<200	200	N	--	--	54	29	8	4
DA179	200	15	<200	70	N	--	--	61	100	12	3
DA180	100	50	<200	300	N	--	--	76	20	16	3
DA181	10	15	N	50	N	--	--	6	7	20	4
DA182	15	10	N	70	N	--	--	10	5	6	3
DA183	100	70	<200	150	N	--	--	150	37	14	4
DA184	20	10	N	50	N	--	--	19	6	6	2
DA186	150	20	<200	200	N		--	54	35	<25	N
DA187	150	30	200	300	N		--	140	51	<25	<4
DA188	10	N	<200	<10	.2		--	<25	<10	<25	N
DA189	150	30	<200	150	N		--	100	50	<25	N
DA190	150	N	N	50	.04		--	<25	360	25	<4
DA191	300	<10	N	50	N		--	<25	120	28	<4
DA192	70	<10	<200	100	.02		--	<25	31	<25	N
DA193	100	N	N	100	N		--	26	53	<25	N
DA194	150	<10	<200	50	N		--	<25	88	<25	<4
DA195	100	10	200	200	N		--	34	56	28	<4
DA196	150	<10	<200	70	N		--	28	65	25	<4
DA197	200	N	<200	70	N		--	<25	90	<25	<4
DA198	300	<10	<200	50	N		--	<25	31	<25	<4
DA199	200	20	300	70	N		--	260	95	48	4
DA200	30	15	700	<10	N		--	1,200	160	60	4
DA201	150	N	700	30	N		--	800	260	930	6
DA202	150	20	<200	150	N		--	100	54	<25	N
DA203	150	<10	1,000	50	N		--	1,400	210	810	4
DA204	150	<10	1,500	50	N		--	2,200	220	580	<4
DA205	100	<10	3,000	50	.2		--	3,200	2,500	340	<4
DA206	150	<10	1,500	70	.02		--	1,800	140	610	<4
DA207	150	10	2,000	70	N		--	1,800	120	680	<4
DA208	100	<10	3,000	50	N		--	1,900	130	360	<4
DA209	100	10	3,000	30	.1		--	2,200	260	28	<4
DA210	100	10	1,500	50	N		--	120	120	28	<4
DA211	100	10	2,000	30	N		--	1,000	150	410	<4
DA212	100	10	5,000	50	N		--	400	160	<25	<4
DA213	150	<10	700	70	N		--	170	270	36	<4
DA214	100	<10	<200	70	.02		--	120	270	32	<4
DA215	100	<10	3,000	50	N		--	2,400	220	910	<4
DA216	100	<10	3,000	70	.02		--	3,000	140	780	<4
DA217	100	<10	1,000	50	N		--	1,200	90	60	<4
DA218	100	<10	1,000	50	.02		--	960	170	44	<4
DA219	100	<10	700	50	N		--	240	160	80	<4
DA220	100	<10	300	70	N		--	140	72	680	<4
DA221	100	10	300	50	N		--	140	70	25	<4
DA222	100	<10	<200	50	N		--	28	58	<25	<4
DA223	70	<10	N	100	N		--	<25	<10	52	6
DA224	<10	N	N	<10	N		--	<25	<10	<25	N
DA225	70	<10	N	70	--		--	--	--	--	<4
DA226	100	<10	N	100	N		--	<25	35	52	20
DA227	30	N	N	<10	N		--	<25	13	<25	N
DA228	200	15	<200	100	N		--	<25	120	180	4
DA229	30	N	N	<10	N		--	<25	25	<25	<4
DA230	150	15	<200	100	.06		--	52	90	100	8
DA231	150	15	N	300	.08		--	<25	29	44	N
DA232	<10	N	N	<10	N		--	<25	<10	<25	N
DA233	100	10	N	300	.2		--	<25	<10	25	N
DA234	<10	N	N	<10	.04		--	<25	<10	<25	<4
DA240	150	N	N	30	.04	--	20	35	140	60	N

Table 2. - Analyses of rock and saprolite samples.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	B-ppm s	Ba-ppm s	Be-ppm s
DA241	34 28 22	84 2 11	5	.2	.2	.15	70	N	10	700	<1
DA242	34 28 22	84 2 11	5	1.5	.1	.15	1,000	N	N	300	1
DA243	34 28 22	84 2 11	3	.2	N	.3	70	1.5	30	3,000	N
DAB01	34 30 7	84 0 55	7	.1	.005	.7	1,500	N	--	15	N
DAB01	34 30 7	84 0 55	5	.07	N	.5	700	N	N	30	<1
DAB02	34 30 7	84 0 55	2	.1	N	.3	500	N	N	150	<1
DAB02	34 30 7	84 0 55	3	.1	.005	.2	700	N	--	50	N
DAB03	34 30 7	84 0 55	3	.015	.005	.3	1,500	N	--	15	N
DAB03	34 30 7	84 0 55	5	<.05	N	.5	1,000	N	N	70	<1
DAB04	34 30 7	84 0 55	1.5	.2	N	.5	200	N	<10	700	<1
DAB04	34 30 7	84 0 55	2	.2	.005	.3	300	N	--	700	N
DAB05	34 30 5	84 0 54	2	.7	.2	.3	500	N	N	300	1.5
DAB05	34 30 5	84 0 54	1.5	.7	.2	.2	700	N	--	300	2
DAB06	34 30 3	84 0 53	2	.5	.3	.3	500	N	<10	500	2
DAB06	34 30 3	84 0 53	1.5	1	.2	.2	700	N	--	500	2
DAB08	34 29 58	84 0 56	2	.5	.15	.3	500	N	<10	700	2
DAB08	34 29 58	84 0 56	1.5	.7	.2	.3	700	N	--	700	2
DAB09	34 29 51	84 1 0	5	.7	.03	.3	1,500	N	--	100	1
DAB09	34 29 51	84 1 0	7	.7	<.05	.7	1,500	N	<10	200	<1
DAB10	34 29 51	84 1 0	2	.7	N	.3	1,000	N	15	700	1
DAB10	34 29 51	84 1 0	2	.7	.005	.2	1,500	N	--	500	N
DAB11	34 29 51	84 1 0	3	.7	.005	.3	700	N	--	500	1
DAB11	34 29 51	84 1 0	3	.7	N	.3	500	N	<10	500	2
DAB12	34 29 51	84 1 0	2	.5	.1	.3	700	N	10	500	1.5
DAB12	34 29 51	84 1 0	1.5	.7	.15	.2	700	N	--	500	2
DAB13	34 29 52	84 1 1	1.5	.7	.3	.3	700	N	--	500	2
DAB13	34 29 52	84 1 1	2	.5	.2	.3	500	N	<10	500	1.5
DAB14	34 29 52	84 1 1	2	.7	.1	.3	500	N	10	700	1.5
DAB14	34 29 52	84 1 1	1.5	.7	.2	.2	700	N	--	500	2
DAB15	34 29 52	84 1 1	2	.5	1.5	.2	500	N	<10	300	<1
DAB15	34 29 52	84 1 1	1.5	.7	2	.2	700	N	--	700	2
DAB16	34 29 52	84 1 1	1.5	1	.3	.3	500	N	--	700	2
DAB16	34 29 52	84 1 1	2	.5	.2	.2	200	N	10	500	1.5
DAB17	34 29 52	84 1 1	1.5	1	2	.3	700	N	--	500	1
DAB17	34 29 52	84 1 1	2	.5	1.5	.2	500	N	<10	300	1
DAB18	34 29 51	84 1 4	2	.5	.1	.2	500	N	<10	200	1.5
DAB18	34 29 51	84 1 4	1.5	.7	.2	.15	700	N	--	300	1
DAB19	34 29 50	84 1 5	1.5	.7	.005	.2	700	N	--	500	N
DAB19	34 29 50	84 1 5	3	1	N	.3	700	N	<10	500	1.5
DAB20	34 29 50	84 1 5	10	.1	N	1	1,500	N	<10	150	<1
DAB20	34 29 50	84 1 5	7	.5	.005	1	1,500	N	--	70	N
DAB21	34 29 51	84 1 4	3	.7	.05	.3	700	N	<10	700	1.5
DAB21	34 29 51	84 1 4	1.5	1	.1	.2	1,000	N	--	500	N
DAB22	34 29 48	84 0 56	1.5	.7	.007	.2	1,000	N	--	700	1
DAB22	34 29 48	84 0 56	2	.2	<.05	.3	700	N	<10	700	1
DAB23	34 29 46	84 0 55	2	.2	<.05	.2	700	N	15	500	1
DAB23	34 29 46	84 0 55	1.5	.5	.005	.2	1,000	N	--	300	N
DIL1	34 56 5	83 29 40	.7	.02	<.05	.005	30	2	N	50	N
DIL2	34 56 5	83 29 40	15	.03	15	1	>5,000	N	10	70	1
DIL3	34 56 5	83 29 40	15	.03	<.05	>1	1,500	N	10	700	<1
DIL4	34 56 5	83 29 40	7	1.5	<.05	1	2,000	N	<10	300	1.5
DIL5	34 56 5	83 29 40	.15	.02	<.05	.03	150	N	N	30	N
DIL6	34 56 2	83 29 45	7	1.5	7	.7	1,500	N	<10	700	2
DU01	34 6 32	84 11 30	.15	.01	<.005	.03	7	N	--	100	N
DU02	34 6 37	84 11 30	7	.15	.03	.5	200	N	--	700	N
DU03	34 5 46	84 10 58	1.5	.02	.005	.3	30	N	--	500	N
DU04	34 5 46	84 10 58	7	.03	.007	.5	20	N	--	700	1.5
DU05	34 5 46	84 10 58	.7	.015	<.005	.15	10	N	--	300	N
DU06	34 5 24	84 10 6	7	.7	.05	.5	200	N	--	1,000	N
DU07	34 4 51	84 9 43	.7	.015	.007	.07	150	N	--	100	N

Table 2. - Analyses of rock and saprolite samples.--Continued

Sample	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sc-ppm s	Sr-ppm s
DA241	<5	30	100	N	N	N	<5	50	20	N
DA242	20	70	200	N	N	N	15	70	20	N
DA243	N	20	70	N	N	N	30	200	20	N
DAB01	30	70	150	N	N	N	30	15	--	N
DAB01	20	70	150	<20	N	N	30	20	50	<50
DAB02	15	30	30	<20	N	15	30	30	15	<50
DAB02	30	30	50	N	N	10	50	20	--	N
DAB03	30	70	70	N	N	10	50	20	--	N
DAB03	100	100	70	<20	N	10	50	30	50	<50
DAB04	20	10	30	<20	N	15	10	50	20	<50
DAB04	15	15	50	N	N	10	20	30	--	N
DAB05	10	10	30	50	N	15	<5	30	15	100
DAB05	7	7	7	50	N	10	7	30	--	70
DAB06	10	<5	50	50	N	15	<5	30	20	150
DAB06	7	7	30	70	N	10	3	20	--	100
DAB08	10	<5	20	50	N	15	<5	20	20	70
DAB08	7	7	15	70	N	10	3	20	--	70
DAB09	30	70	200	150	N	N	50	10	--	N
DAB09	100	100	300	300	N	10	70	20	70	<50
DAB10	20	<5	20	50	N	15	5	20	20	<50
DAB10	30	10	20	50	N	10	15	20	--	10
DAB11	30	10	30	50	N	10	30	20	--	7
DAB11	20	<5	30	50	N	15	30	30	15	<50
DAB12	15	<5	20	70	N	10	<5	50	10	100
DAB12	15	5	10	70	N	10	5	30	--	70
DAB13	20	7	15	70	N	10	7	20	--	100
DAB13	15	<5	50	70	N	15	<5	30	15	100
DAB14	10	<5	50	50	N	15	<5	30	15	100
DAB14	7	7	15	70	N	15	7	30	--	100
DAB15	10	<5	50	30	N	<10	<5	50	10	100
DAB15	7	7	20	70	5	10	7	30	--	150
DAB16	7	10	30	50	N	15	3	30	--	100
DAB16	5	<5	10	20	N	<10	<5	30	15	70
DAB17	7	7	5	70	N	10	5	15	--	150
DAB17	10	<5	10	30	N	<10	<5	15	15	150
DAB18	10	<5	10	30	N	<10	<5	30	10	100
DAB18	5	5	10	70	N	10	5	20	--	150
DAB19	10	7	15	150	N	10	20	15	--	70
DAB19	15	10	15	50	N	15	30	30	20	<50
DAB20	150	70	100	20	N	15	20	50	50	<50
DAB20	100	70	70	50	N	10	30	20	--	30
DAB21	15	15	30	50	N	10	15	50	20	70
DAB21	15	10	7	70	N	10	5	30	--	70
DAB22	--	30	70	N	N	10	30	30	--	30
DAB22	100	50	70	N	N	10	30	70	30	50
DAB23	20	20	20	N	N	10	10	200	20	50
DAB23	--	15	20	30	N	10	7	100	--	70
DIL1	N	5	500	<20	N	<10	<5	N	N	<100
DIL2	30	150	300	<20	N	<10	15	70	70	500
DIL3	20	300	70	20	N	30	20	30	70	<100
DIL4	30	70	150	30	N	15	30	30	30	<100
DIL5	N	<5	10	<20	N	<10	N	N	N	<100
DIL6	10	150	30	<20	N	10	20	15	15	700
DU01	N	2	<1	N	N	<10	N	N	--	N
DU02	10	100	150	50	N	10	15	70	--	20
DU03	N	30	15	N	N	20	3	15	--	15
DU04	N	70	50	<30	N	15	5	15	--	50
DU05	N	5	<1	<30	N	10	3	15	--	N
DU06	15	100	70	30	N	15	30	20	--	20
DU07	10	3	2	N	N	<10	N	15	--	N

Table 2. - Analyses of rock and saprolite samples.--Continued

Sample	V-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Au-ppm aa	Hg-ppm inst	As-ppm aa	Zn-ppm aa	Cu-ppm aa	Pb-ppm aa	Mo-ppm aa
DA241	150	N	N	50	.06	--	40	<25	150	30	N
DA242	150	N	700	30	.04	--	40	50	230	90	N
DA243	200	N	N	50	.06	--	120	70	130	220	N
DAB01	200	15	N	100	N	--	<10	53	50	<25	--
DAB01	200	10	N	70	.02	--	--	--	--	--	--
DAB02	70	15	N	300	N	--	--	--	--	--	--
DAB02	50	20	N	200	N	--	<10	<25	<10	<25	--
DAB03	100	30	N	150	N	--	<10	31	27	<25	--
DAB03	200	30	N	200	N	--	--	--	--	--	--
DAB04	100	20	N	300	.02	--	--	--	--	--	--
DAB04	70	15	N	200	N	--	<10	<25	10	25	--
DAB05	70	50	N	200	.8	--	--	--	--	--	--
DAB05	30	30	N	200	.02	--	<10	38	<10	<25	--
DAB06	100	70	N	200	.4	--	--	--	--	--	--
DAB06	70	50	N	300	.02	--	<10	35	13	<25	--
DAB08	70	50	N	150	.02	--	--	--	--	--	--
DAB08	70	50	N	300	N	--	<10	29	<10	<25	--
DAB09	150	150	N	70	N	--	<10	67	52	<25	--
DAB09	300	>200	N	150	.02	--	--	--	--	--	--
DAB10	100	70	N	300	.04	--	--	--	--	--	--
DAB10	70	70	N	300	.2	--	<10	<25	<10	<25	--
DAB11	70	70	N	300	N	--	<10	65	12	<25	--
DAB11	70	50	N	1,000	N	--	--	--	--	--	--
DAB12	70	100	N	500	N	--	--	--	--	--	--
DAB12	30	70	N	300	N	--	<10	35	<10	<25	--
DAB13	70	100	N	300	N	--	<10	36	<10	<25	--
DAB13	70	100	N	200	.1	--	--	--	--	--	--
DAB14	70	50	N	700	.2	--	--	--	--	--	--
DAB14	70	50	N	300	1.3	--	<10	30	<10	<25	--
DAB15	30	20	N	150	.5	--	--	--	--	--	--
DAB15	70	30	N	300	.6	--	<10	<25	14	<25	--
DAB16	70	30	N	300	.2	--	<10	<25	13	<25	--
DAB16	30	20	N	150	.5	--	--	--	--	--	--
DAB17	70	30	N	200	N	--	<10	61	<10	<25	--
DAB17	30	30	N	300	.06	--	--	--	--	--	--
DAB18	30	30	N	150	.04	--	--	--	--	--	--
DAB18	30	30	N	200	N	--	<10	33	<10	<25	--
DAB19	70	30	N	200	.09	--	<10	32	<10	<25	--
DAB19	50	50	N	500	.06	--	--	--	--	--	--
DAB20	200	20	N	150	N	--	--	--	--	--	--
DAB20	150	15	N	100	N	--	<10	31	20	<25	--
DAB21	100	70	N	500	.02	--	--	--	--	--	--
DAB21	70	30	N	300	N	--	<10	39	<10	<25	--
DAB22	70	15	N	300	N	--	<10	<25	17	<25	--
DAB22	100	20	N	700	N	--	--	--	--	--	--
DAB23	70	15	N	300	.04	--	--	--	--	--	--
DAB23	70	15	N	300	.2	--	20	<25	11	<25	--
DIL1	10	<10	N	N	1.5	--	--	<5	600	<5	<2
DIL2	700	50	N	70	.02	--	--	49	200	14	<2
DIL3	300	10	N	700	N	--	--	14	22	16	2
DIL4	200	30	<200	500	N	--	--	60	44	16	<2
DIL5	10	<10	N	N	.02	--	--	<5	<5	<5	<2
DIL6	150	30	N	500	N	--	--	52	<5	<5	2
DU01	7	N	N	150	<.02	.53	<10	<25	<10	<25	--
DU02	300	30	N	150	<.02	.75	<10	90	80	<25	--
DU03	50	<10	N	500	<.02	.53	<10	<25	14	<25	--
DU04	150	<10	N	700	<.02	.69	<10	25	25	<25	--
DU05	15	N	N	300	<.02	1.2	<10	<25	11	<25	--
DU06	200	50	N	300	<.02	.75	<10	130	50	<25	--
DU07	15	N	N	70	<.02	.75	<10	<25	12	<25	--

Table 2. - Analyses of rock and saprolite samples.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	B-ppm s	Ba-ppm s	Be-ppm s
DU08	34 7 26	84 10 12	.7	.01	<.005	.07	15	N	--	300	N
DU09	34 7 26	84 10 12	.7	.015	.005	.07	15	N	--	100	N
DU10	34 6 42	84 9 11	.5	.015	<.005	.15	30	N	--	200	N
DU11	34 6 42	84 9 11	1.5	.02	.005	.2	150	N	--	300	N
DU12	34 6 42	84 9 11	7	.15	.007	.5	300	N	--	1,500	1.5
DU13	34 6 4	84 8 8	5	.3	.007	.5	150	N	--	500	N
DU14	34 6 4	84 8 10	.7	.007	<.005	.05	20	N	--	150	N
DU15	34 6 29	84 7 47	1	.05	.01	.07	50	N	--	500	N
DU16	34 6 29	84 7 47	.7	.01	<.005	.03	20	N	--	150	N
FB1	34 15 0	83 59 15	.7	.01	.005	.07	20	N	--	150	N
FB2	34 15 0	83 59 15	3	.1	.007	.1	70	N	--	500	N
H001	34 44 42	83 40 36	5	2	.05	.07	700	N	--	1,000	5
H001	34 44 42	83 40 36	10	2	<.05	.5	1,000	N	<10	1,000	5
H002	34 44 42	83 40 36	1	.05	N	.3	300	N	N	150	<1
H002	34 44 42	83 40 36	3	.3	<.005	.2	300	N	--	300	2
H003	34 44 27	83 41 15	3	.3	.007	.3	300	N	--	300	2
H003	34 44 27	83 41 15	2	.1	<.05	.3	500	N	<10	200	3
H004	34 44 27	83 41 15	7	1	<.05	.3	700	N	<10	700	5
H004	34 44 27	83 41 15	3	.7	.01	.3	500	N	--	700	3
H005	34 43 28	83 42 17	7	1.5	.03	.3	700	N	--	1,500	2
H005	34 43 28	83 42 17	10	1.5	<.05	.5	700	N	<10	700	2
H006	34 43 10	83 41 54	5	1.5	.05	.3	1,000	N	--	700	3
H006	34 43 10	83 41 54	7	1	<.05	.7	1,000	N	10	500	3
H007	34 42 58	83 41 46	2	1	1	.5	700	N	--	500	1
H007	34 42 58	83 41 46	2	.7	1.5	.5	500	N	N	300	1
H008	34 42 58	83 41 46	5	1	.15	.5	700	N	10	700	3
H008	34 42 58	83 41 46	3	1	.3	.5	1,000	N	--	700	3
H009	34 44 42	83 41 28	3	1	.007	.7	700	N	--	300	2
H010	34 44 42	83 41 28	3	.7	.02	.7	700	N	--	500	2
H010	34 44 42	83 41 28	3	.7	N	.7	500	N	30	200	1.5
H011	34 44 42	83 41 28	3	1	.03	.7	1,500	N	--	300	2
H011	34 44 42	83 41 28	5	.7	<.05	.7	1,000	N	20	300	1.5
H012	34 44 42	83 41 28	1	.2	.007	.3	1,500	N	--	70	N
H012	34 44 42	83 41 28	2	.2	<.05	.5	1,000	N	<10	200	1
H013	34 44 42	83 41 28	3	.7	.007	.7	2,000	N	--	200	2
H013	34 44 42	83 41 28	5	.7	N	.7	2,000	N	10	500	1.5
H014	34 44 42	83 41 28	3	1	.007	.7	1,000	N	--	200	2
H014	34 44 42	83 41 28	7	1	N	.7	700	N	50	300	1.5
H015	34 44 42	83 41 28	3	1	.005	.7	1,500	N	--	200	2
H015	34 44 42	83 41 28	10	.7	N	.7	1,000	N	15	200	1.5
H016	34 44 42	83 41 28	3	1	.03	.7	1,500	N	--	150	1
H016	34 44 42	83 41 28	5	.7	N	.5	1,000	N	70	150	1.5
H017	34 42 45	83 41 29	5	1.5	.2	.5	1,500	N	--	700	3
H017	34 42 45	83 41 29	5	1	.1	.3	1,500	N	100	700	3
H018	34 42 45	83 41 29	7	.7	<.05	.5	700	N	100	500	2
H018	34 42 45	83 41 29	2	.7	.007	.3	500	N	--	300	2
H019	34 42 45	83 41 29	15	1	.05	.7	1,500	N	150	700	3
H019	34 42 45	83 41 29	7	1	.1	.7	1,000	N	--	500	3
H021	34 40 28	83 39 23	3	.7	.02	.3	500	N	--	300	1
H021	34 40 28	83 39 23	5	.7	N	.5	700	N	<10	300	1
H022	34 42 46	83 41 38	5	1.5	1.5	.7	700	N	--	700	3
H022	34 42 46	83 41 38	10	.7	1	.5	500	N	20	500	2
H023	34 42 40	83 41 28	3	1.5	2	.7	700	N	--	300	2
H023	34 42 40	83 41 28	5	.7	1	.5	700	N	100	300	2
H024	34 42 25	83 42 5	10	3	3	.5	2,000	N	10	70	<1
H024	34 42 25	83 42 5	7	3	7	.3	2,000	N	--	70	1
H025	34 42 25	83 42 5	5	.7	.07	.5	700	N		700	3
H025	34 42 25	83 42 5	10	1	<.05	.5	700	N	100	700	3
H026	34 42 25	83 42 5	5	.2	<.05	.3	700	N	100	500	1.5
H026	34 42 25	83 42 5	3	.7	.07	.3	700	N	--	700	2

Table 2. - Analyses of rock and saprolite samples.--Continued

Sample	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sc-ppm s	Sr-ppm s
DU08	N	3	2	N	N	<10	N	15	--	N
DU09	N	5	1	N	N	N	N	10	--	N
DU10	3	7	1.5	N	N	<10	3	15	--	N
DU11	3	10	15	N	N	10	5	50	--	5
DU12	15	100	150	30	5	10	50	20	--	30
DU13	10	100	100	<30	N	15	20	20	--	5
DU14	3	3	3	N	N	N	N	10	--	N
DU15	3	5	10	<30	N	N	3	30	--	15
DU16	3	3	30	N	N	N	N	15	--	N
FB1	N	3	5	N	N	N	N	10	--	N
FB2	10	30	70	N	N	N	20	15	--	10
H001	30	70	50	100	N	20	70	20	--	30
H001	30	100	50	100	N	10	50	70	20	50
H002	5	20	50	N	N	<10	5	20	10	N
H002	15	50	100	N	N	10	20	15	--	15
H003	10	50	70	30	N	10	30	20	--	30
H003	N	20	15	30	N	10	20	20	10	N
H004	20	20	70	70	N	10	30	50	20	50
H004	20	50	70	100	N	15	50	30	--	100
H005	30	70	70	150	N	20	70	20	--	70
H005	30	70	70	100	N	10	50	50	20	50
H006	30	70	100	150	N	15	50	20	--	70
H006	50	70	100	100	N	15	50	50	30	50
H007	7	30	7	30	N	10	10	30	--	300
H007	10	50	5	30	N	10	5	50	10	500
H008	30	50	50	150	N	15	30	50	20	200
H008	30	50	70	150	N	10	30	20	--	200
H009	30	70	150	150	N	15	50	15	--	30
H010	30	70	150	70	N	15	50	20	--	30
H010	15	50	150	70	N	15	30	50	15	50
H011	30	70	200	150	N	15	50	20	--	30
H011	50	70	200	100	N	20	50	30	20	50
H012	30	10	150	70	N	10	20	10	--	10
H012	70	20	150	100	N	15	20	10	7	N
H013	30	70	70	70	N	15	50	20	--	15
H013	70	70	70	100	N	15	50	20	20	N
H014	30	70	150	100	N	15	30	20	--	15
H014	50	70	150	100	N	15	50	50	20	N
H015	30	70	100	50	N	15	30	20	--	5
H015	50	70	70	70	N	15	50	20	20	N
H016	30	70	150	70	N	15	30	20	--	30
H016	30	50	100	100	N	20	50	20	15	N
H017	30	70	150	70	N	20	50	30	--	70
H017	50	50	70	70	N	20	50	30	15	50
H018	30	50	70	100	N	20	100	20	15	N
H018	20	20	50	70	N	15	50	10	--	10
H019	100	150	70	100	N	20	100	30	30	50
H019	30	100	70	150	N	15	50	20	--	50
H021	15	50	100	100	N	10	30	10	--	30
H021	20	70	150	100	N	10	50	30	15	50
H022	15	50	50	150	N	30	30	50	--	300
H022	15	70	30	150	N	10	30	70	15	500
H023	15	70	30	70	N	10	30	15	--	200
H023	10	70	50	70	N	10	30	20	10	200
H024	70	300	100	<20	N	10	100	20	50	300
H024	30	150	70	N	N	N	70	15	--	200
H025	30	70	50	300	N	20	50	15	--	150
H025	100	100	50	150	N	15	50	20	20	300
H026	50	70	20	300	N	15	30	10	15	100
H026	30	50	30	300	N	15	30	10	--	100

Table 2. - Analyses of rock and saprolite samples.--Continued

Sample	V-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Au-ppm aa	Hg-ppm inst	As-ppm aa	Zn-ppm aa	Cu-ppm aa	Pb-ppm aa	Mo-ppm aa
DU08	15	N	N	300	<.02	.7	<10	<25	10	<25	--
DU09	10	N	N	70	<.02	.8	<10	<25	<10	<25	--
DU10	15	N	N	700	<.02	.73	<10	<25	10	<25	--
DU11	30	N	N	700	<.02	.73	<10	<25	110	<25	--
DU12	300	20	N	150	<.02	.73	<10	85	80	<25	--
DU13	150	30	N	200	<.02	.73	<10	180	50	<25	--
DU14	10	N	N	50	<.02	1	<10	<25	12	<25	--
DU15	15	50	N	300	<.02	.58	<10	<25	12	<25	--
DU16	7	N	N	150	<.02	.75	<10	<25	15	<25	--
FB1	15	N	N	150	<.02	.85	<10	60	<10	<25	--
FB2	70	30	N	300	<.02	.75	<10	65	<10	<25	--
H001	150	100	N	500	N	--	<10	130	19	<25	--
H001	100	70	<200	500	N	--	--	--	--	--	--
H002	50	70	N	700	N	--	--	--	--	--	--
H002	70	150	N	300	N	--	<10	<25	<10	<25	--
H003	70	30	N	300	N	--	<10	<25	<10	<25	--
H003	70	20	N	500	N	--	--	--	--	--	--
H004	70	50	N	500	N	--	--	--	--	--	--
H004	70	50	N	300	N	--	<10	68	27	<25	--
H005	150	100	N	300	N	--	<10	120	20	<25	--
H005	100	70	N	200	N	--	--	--	--	--	--
H006	100	150	N	150	N	--	<10	80	35	<25	--
H006	100	100	N	150	N	--	--	--	--	--	--
H007	50	30	N	300	N	--	10	50	<10	34	--
H007	70	50	N	300	N	--	--	--	--	--	--
H008	70	150	<200	150	N	--	--	--	--	--	--
H008	70	200	N	150	N	--	<10	100	28	<25	--
H009	70	150	N	500	.04	--	<10	130	50	<25	--
H010	70	100	N	300	.05	--	<10	110	53	<25	--
H010	100	100	N	500	.02	--	--	--	--	--	--
H011	70	100	N	300	2.6	--	<10	100	160	<25	--
H011	100	100	N	500	3.1	--	--	--	--	--	--
H012	20	15	N	300	3	--	<10	30	100	<25	--
H012	70	30	N	300	8	--	--	--	--	--	--
H013	70	70	N	300	N	--	<10	87	18	<25	--
H013	150	100	N	700	.04	--	--	--	--	--	--
H014	100	70	N	300	N	--	<10	110	42	<25	--
H014	150	70	N	700	.02	--	--	--	--	--	--
H015	150	70	N	300	.1	--	<10	120	30	<25	--
H015	150	70	N	700	.05	--	--	--	--	--	--
H016	100	70	N	200	.02	--	<10	110	46	<25	--
H016	100	70	N	500	N	--	--	--	--	--	--
H017	100	100	N	300	.4	--	<10	140	33	<25	--
H017	100	70	N	300	.2	--	--	--	--	--	--
H018	100	100	N	300	.02	--	--	--	--	--	--
H018	70	70	N	200	N	--	<10	100	25	<25	--
H019	150	150	300	300	N	--	--	--	--	--	--
H019	150	200	N	300	N	--	<10	210	23	<25	--
H021	70	70	N	300	N	--	<10	75	38	<25	--
H021	100	70	N	500	N	--	--	--	--	--	--
H022	100	150	N	300	N	--	<10	28	23	32	--
H022	70	70	N	200	N	--	--	--	--	--	--
H023	300	70	N	300	N	--	<10	67	21	<25	--
H023	100	30	N	300	N	--	--	--	--	--	--
H024	300	50	N	100	.02	--	--	--	--	--	--
H024	70	70	N	100	N	--	<10	25	28	<25	--
H025	70	200	N	300	.02	--	<10	120	26	<25	--
H025	100	100	200	150	N	--	--	--	--	--	--
H026	100	70	N	150	.08	--	--	--	--	--	--
H026	300	70	N	150	N	--	<10	33	15	<25	--

Table 2. - Analyses of rock and saprolite samples.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	B-ppm s	Ba-ppm s	Be-ppm s
H027	34 42 26	83 42 0	15	<.05	N	.5	1,000	N	10	70	<1
H027	34 42 26	83 42 0	7	.01	.05	.3	1,500	N	--	100	N
H028	34 42 26	83 42 0	7	.07	N	.7	500	N	100	300	<1
H028	34 42 26	83 42 0	3	.3	.005	.5	300	N	--	200	N
H029	34 42 36	83 41 18	3	.7	.07	.5	1,000	N	--	300	3
H029	34 42 36	83 41 18	5	1	<.05	.5	1,000	N	100	500	2
H030	34 42 9	83 41 13	.7	.5	1	.15	300	N	--	1,500	3
H030	34 42 9	83 41 13	1	.2	1	.1	100	N	N	1,000	2
H031	34 41 48	83 41 12	3	.7	.02	.5	2,000	N	--	700	3
H031	34 41 48	83 41 12	7	.7	N	.5	1,500	N	<10	300	2
H032	34 43 36	83 39 56	.05	.05	N	.05	100	N	N	300	<1
H032	34 43 36	83 39 56	.5	.03	.005	.02	200	N	--	500	1
H033	34 43 36	83 39 56	5	.5	<.05	.7	700	N	<10	500	1
H033	34 43 36	83 39 56	3	.7	.05	.5	700	N	--	500	1
H034	34 43 45	83 39 53	2	.3	.1	.2	300	N	N	100	<1
H034	34 43 45	83 39 53	3	.7	.3	.2	500	N	--	150	1
H035F	34 44 40	83 39 34	5	1.5	3	.5	700	N	--	700	5
H035F	34 44 40	83 39 34	5	1	1.5	.5	500	N	N	500	1.5
H035W	34 44 40	83 39 34	7	1	.5	.5	700	N	<10	500	2
H035W	34 44 40	83 39 34	3	1	.7	.3	1,000	N	--	500	3
H036	34 44 40	83 39 34	7	1	1.5	.5	700	N	<10	1,000	1
H036	34 44 40	83 39 34	3	1	2	.5	1,000	N	--	700	1
H037	34 44 40	83 39 34	2	.7	2	.3	500	N	--	700	5
H037	34 44 40	83 39 34	2	.7	1	.3	300	N	N	500	1
H038	34 44 40	83 39 34	2	.7	.7	.2	1,500	N	--	200	2
H038	34 44 40	83 39 34	2	.5	.5	.3	700	N	<10	200	1
H039	34 44 58	83 39 33	3	1	.7	.3	1,000	N	--	150	3
H039	34 44 58	83 39 33	5	1	.3	.5	700	N	<10	150	2
H040	34 44 58	83 39 33	3	1.5	.2	.3	2,000	N	--	500	3
H040	34 44 58	83 39 33	5	1	.07	.5	1,500	N	10	500	2
H041	34 43 15	83 42 56	3	1	.07	.3	700	N	--	1,500	N
H041	34 43 15	83 42 56	3	1	<.05	.3	700	N	<10	1,000	<1
H042	34 43 15	83 42 56	2	.7	.01	.3	500	N	N	200	2
H044	34 43 40	83 43 39	7	.7	<.05	.5	700	N	<10	700	2
H044	34 43 40	83 43 39	3	.7	.07	.3	500	N	--	700	2
H045	34 43 40	83 43 39	3	.5	.01	.3	300	N	--	300	2
H045	34 43 40	83 43 39	5	.5	N	.5	500	N	<10	300	2
H046	34 43 40	83 43 39	7	.3	<.005	.7	150	N	--	10	3
H046	34 43 40	83 43 39	10	.05	N	.7	100	N	10	15	5
H047	34 44 2	83 43 34	5	1.5	<.05	.3	700	N	<10	700	1
H047	34 44 2	83 43 34	3	.7	.07	.3	1,000	N	--	700	1
H048	34 44 2	83 43 34	3	1	.03	.5	1,000	N	--	1,500	3
H048	34 44 2	83 43 34	10	1	N	.7	1,500	N	10	1,500	2
H051	34 42 15	83 44 16	7	2	1	.5	700	N	<10	2,000	1
H051	34 42 15	83 44 16	3	1.5	.7	.5	1,000	N	--	1,500	3
H052	34 42 15	83 44 16	5	.2	1	.3	300	N	<10	300	1
H052	34 42 15	83 44 16	3	.7	.7	.2	500	N	--	300	1
H053	34 42 21	83 44 23	5	.7	1.5	.5	500	N	<10	700	1.5
H053	34 42 21	83 44 23	3	1.5	3	.7	1,000	N	--	700	3
H054	34 41 58	83 43 20	3	1	.3	.5	1,500	N	N	500	1
H055	34 41 37	83 42 48	3	.7	.07	.7	700	N	300	200	1
H059	34 40 51	83 41 28	2	.7	.05	.3	500	N	N	500	1
H064	34 41 48	83 42 55	3	1	1.5	.7	500	N	N	300	3
H065	34 42 2	83 43 42	3	1	.7	.7	1,000	N	N	700	3
H066	34 41 14	83 42 37	3	.3	.015	.5	2,000	N	200	700	2
H072	34 39 25	83 44 30	3	.2	.005	.5	700	N	N	200	1
H073	34 39 25	83 44 30	.7	.02	<.005	.05	10,000	N	N	100	N
H074	34 39 25	83 44 30	3	.1	<.005	.15	300	N	N	30	1
H080	34 40 53	83 44 42	.15	N	<.05	.002	50	N	N	N	<1
H081	34 40 53	83 44 42	3	.2	<.05	.3	700	N	<10	500	1.5

Table 2. - Analyses of rock and saprolite samples.--Continued

Sample	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sc-ppm s	Sr-ppm s
H027	50	300	200	N	N	<10	100	15	50	N
H027	30	300	150	N	N	N	70	10	--	N
H028	10	70	70	<20	N	15	70	10	50	N
H028	3	70	70	N	N	10	50	<10	--	5
H029	30	70	50	300	N	15	30	15	--	70
H029	50	70	30	300	N	15	70	20	20	50
H030	5	5	1	100	N	10	3	20	--	300
H030	5	N	5	70	N	<10	2	30	5	500
H031	50	70	50	200	N	10	30	20	--	30
H031	100	70	30	150	N	10	50	50	15	50
H032	5	N	20	20	N	N	10	70	N	N
H032	10	5	70	50	N	N	20	70	--	30
H033	20	100	70	100	N	15	30	70	20	50
H033	15	70	70	70	N	<10	30	50	--	30
H034	15	20	30	50	N	10	5	20	20	N
H034	30	15	70	30	N	<10	20	15	--	5
H035F	30	70	150	150	10	15	30	30	--	700
H035F	30	100	150	100	5	15	50	50	15	700
H035W	50	70	100	70	15	15	20	70	20	200
H035W	20	30	100	50	5	10	20	30	--	150
H036	20	100	150	100	N	20	30	50	20	700
H036	15	30	150	70	N	10	30	30	--	200
H037	15	20	20	70	N	N	30	15	--	500
H037	20	50	10	50	N	10	30	30	10	1,000
H038	10	20	50	50	N	<10	30	10	--	50
H038	15	20	15	50	N	15	30	10	10	100
H039	20	30	150	150	N	10	30	20	--	100
H039	20	70	150	100	N	15	50	50	15	150
H040	20	70	30	150	N	10	50	30	--	100
H040	30	150	15	150	N	15	70	50	20	150
H041	15	70	30	150	N	15	30	20	--	150
H041	20	100	15	150	N	15	50	50	30	150
H042	20	50	70	50	N	<10	30	50	10	30
H044	30	100	70	50	N	20	50	50	20	N
H044	15	30	70	30	N	10	30	15	--	30
H045	15	30	70	30	N	10	30	20	--	15
H045	20	70	100	50	N	20	50	50	20	N
H046	3	150	150	N	N	N	30	N	--	N
H046	10	300	100	20	N	10	50	15	100	N
H047	30	50	5	50	N	10	30	20	15	50
H047	20	30	10	70	N	10	50	15	--	70
H048	30	70	100	150	N	15	50	30	--	150
H048	7	150	150	150	N	15	50	50	20	150
H051	10	100	500	70	N	10	30	50	20	300
H051	15	70	700	70	N	10	30	20	--	150
H052	50	10	10	70	N	10	20	10	10	70
H052	30	15	70	100	N	<10	30	20	--	150
H053	15	70	70	70	N	15	20	70	20	500
H053	20	70	100	150	7	15	30	70	--	300
H054	100	70	200	150	N	15	70	20	15	150
H055	30	150	100	50	N	10	70	10	20	5
H059	30	70	2	50	N	10	20	20	10	15
H064	15	70	70	150	N	15	15	30	15	150
H065	15	50	50	70	N	15	20	30	10	150
H066	30	70	150	50	N	10	50	30	20	30
H072	10	50	70	N	N	10	20	20	20	15
H073	1,000	2	200	N	N	N	50	10	15	N
H074	5	7	70	N	N	N	20	15	50	N
H080	N	N	<5	<20	N	N	<5	N	N	N
H081	15	20	30	50	N	10	20	50	20	N

Table 2. - Analyses of rock and saprolite samples.--Continued

Sample	V-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Au-ppm aa	Hg-ppm inst	As-ppm aa	Zn-ppm aa	Cu-ppm aa	Pb-ppm aa	Mo-ppm aa
H027	500	<10	N	70	.2	--	--	--	--	--	--
H027	150	N	N	50	.1	--	<10	69	44	<25	--
H028	150	20	N	500	.02	--	--	--	--	--	--
H028	70	20	N	300	N	--	<10	<25	15	<25	--
H029	50	200	N	300	N	--	<10	140	19	<25	--
H029	70	150	N	700	N	--	--	--	--	--	--
H030	70	15	N	300	N	--	<10	40	<10	<25	--
H030	30	10	N	150	N	--	--	--	--	--	--
H031	7	150	N	300	.02	--	<10	170	18	<25	--
H031	70	100	N	700	N	--	--	--	--	--	--
H032	10	N	N	10	N	--	--	--	--	--	--
H032	70	15	N	30	N	--	<10	<25	<10	40	--
H033	100	100	N	700	N	--	--	--	--	--	--
H033	150	70	N	300	N	--	<10	50	20	35	--
H034	100	30	N	200	N	--	--	--	--	--	--
H034	100	30	N	150	N	--	<10	93	17	<25	--
H035F	50	150	N	200	N	--	<10	130	110	<25	--
H035F	70	70	<200	200	N	--	--	--	--	--	--
H035W	70	50	<200	200	N	--	--	--	--	--	--
H035W	70	50	N	150	N	--	<10	140	75	<25	--
H036	100	70	<200	300	N	--	--	--	--	--	--
H036	50	50	N	300	N	--	<10	130	75	<25	--
H037	30	50	N	300	N	--	<10	79	16	<25	--
H037	70	50	N	200	N	--	--	--	--	--	--
H038	70	30	N	100	N	--	<10	49	23	<25	--
H038	50	50	N	150	N	--	--	--	--	--	--
H039	70	150	N	300	N	--	<10	110	23	<25	--
H039	100	100	N	700	N	--	--	--	--	--	--
H040	70	150	N	200	N	--	<10	220	<10	<25	--
H040	100	100	200	300	N	--	--	--	--	--	--
H041	70	150	N	300	.06	--	<10	120	12	<25	--
H041	70	50	N	200	N	--	--	--	--	--	--
H042	70	30	N	200	N	--	<10	130	20	35	--
H044	100	70	N	300	N	--	--	--	--	--	--
H044	70	50	N	300	N	--	<10	97	25	<25	--
H045	150	30	N	500	N	--	<10	42	17	<25	--
H045	100	30	N	300	N	--	--	--	--	--	--
H046	70	15	N	70	N	--	<10	<25	30	<25	--
H046	300	20	N	150	N	--	--	--	--	--	--
H047	70	50	N	200	N	--	--	--	--	--	--
H047	70	30	N	700	N	--	<10	140	<10	<25	--
H048	100	150	N	300	N	--	<10	140	55	<25	--
H048	100	100	N	200	N	--	--	--	--	--	--
H051	70	70	<200	100	N	--	--	--	--	--	--
H051	100	150	N	300	N	--	<10	120	600	<25	--
H052	50	50	N	100	N	--	--	--	--	--	--
H052	30	70	N	70	N	--	<10	35	34	<25	--
H053	70	50	<200	100	N	--	--	--	--	--	--
H053	100	100	N	300	N	--	<10	47	28	40	--
H054	100	150	500	300	N	--	<10	500	160	<25	--
H055	100	70	N	200	N	--	<10	68	34	<25	--
H059	70	30	N	300	N	--	<10	94	<10	<25	--
H064	100	150	N	300	N	--	<10	<25	25	<25	--
H065	100	100	N	300	N	--	<10	72	15	25	--
H066	150	30	N	100	N	--	20	90	110	<25	--
H072	100	10	N	300	N	--	<10	<25	12	<25	--
H073	10	10	N	50	N	--	<10	35	30	<25	--
H074	70	N	N	70	N	--	<10	<25	11	<25	--
H080	N	N	N	N	N	--	--	<5	<5	10	8
H081	70	20	<200	200	.06	--	--	70	65	70	6

Table 2. - Analyses of rock and saprolite samples.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	B-ppm s	Ba-ppm s	Be-ppm s
H082	34 40 53	83 44 42	2	.5	<.05	.3	500	N	N	150	1
H083	34 40 53	83 44 42	2	.03	<.05	.07	700	N	N	N	1
H084	34 40 37	83 44 7	.15	.02	.2	.01	30	N	N	50	<1
H085	34 40 37	83 44 7	2	.7	<.05	.3	300	N	<10	300	2
H086	34 40 19	83 44 20	3	.7	<.05	.3	500	N	20	500	5
H087	34 40 15	83 44 6	3	.7	.05	.3	500	N	150	2,000	2
H088	34 40 15	83 44 6	.3	.03	.05	.01	200	N	<10	70	N
H089	34 39 56	83 43 59	1	.07	N	.07	300	N	N	100	<1
H090	34 39 56	83 43 59	.7	.02	N	.03	300	N	<10	30	<1
H091	34 39 56	83 43 59	1	.07	.2	.07	30	N	<10	50	<1
H092	34 39 58	83 44 0	.3	.02	<.05	.007	1,000	N	<10	20	2
H093	34 39 44	83 44 11	.7	.07	N	.05	30	N	10	150	<1
H094	34 39 44	83 44 11	1	<.02	N	.02	20	N	N	50	<1
H095	34 39 44	83 44 11	1.5	.05	<.05	.1	200	N	<10	200	<1
H096	34 39 44	83 44 11	3	.03	<.05	.03	2,000	N	<10	70	1
H097	34 39 44	83 44 11	3	.03	N	.05	1,000	N	<10	70	1
H098	34 39 44	83 44 11	1.5	.05	N	.05	200	N	10	100	<1
H099	34 39 40	83 44 18	.7	.07	N	.07	700	N	10	150	<1
H100	34 39 40	83 44 18	.7	.07	.1	.05	700	N	<10	200	1
H101	34 39 40	83 44 18	1	.1	<.05	.1	200	N	<10	150	<1
H102	34 39 38	83 44 19	1	<.02	<.05	.1	200	N	<10	70	<1
H103	34 39 38	83 44 19	1	.03	<.05	.07	50	N	<10	100	<1
H104	34 39 40	83 44 19	.7	.07	<.05	.05	500	N	<10	200	<1
H105	34 39 40	83 44 19	3	.1	<.05	.1	700	N	<10	100	<1
H106	34 39 42	83 44 17	.7	.07	<.05	.05	300	N	<10	150	<1
H107	34 39 42	83 44 17	1.5	.1	N	.07	500	N	<10	200	<1
H108	34 39 38	83 44 20	.3	<.02	N	.007	300	N	N	50	1
HB01	34 37 52	83 34 38	.5	.15	.15	.1	150	N	--	500	1
HB01	34 37 52	83 34 38	.05	.2	.07	.1	200	N	<10	1,000	2
HB02	34 37 52	83 34 32	.5	.7	N	.7	700	N	<10	500	1.5
HB02	34 37 52	83 34 32	3	.5	.02	.3	500	N	--	300	2
HB03	34 38 33	83 35 15	5	1	.1	.3	700	N	--	1,000	3
HB03	34 38 33	83 35 15	.7	1	<.05	.5	700	N	10	1,500	2
HB04	34 38 20	83 34 46	.7	.1	.5	.05	300	N	--	700	2
HB04	34 38 20	83 34 46	.05	.3	1	.07	500	N	N	1,000	2
HB05	34 38 6	83 34 35	5	.7	N	1	700	N	<10	500	2
HB05	34 38 6	83 34 35	3	1	.007	.7	700	N	--	300	1
HB11	34 55 29	83 31 7	3	1.5	<.05	.3	1,500	N	N	500	1.5
HB12	34 55 29	83 31 7	7	.7	.15	.7	2,000	N	N	150	<1
HB13	34 55 28	83 31 6	7	1.5	.05	1	2,000	N	<10	300	2
HB14	34 55 28	83 31 6	1.5	.3	.15	.1	1,000	N	N	500	<1
HM1	34 3 45	83 59 0	1.5	.15	.07	.1	150	N	N	200	3
HM2	34 4 20	83 59 0	7	.2	<.05	1	2,000	N	150	700	1
HM3	34 4 30	83 59 0	7	.15	<.05	1	300	N	200	100	1.5
HM4	34 4 30	83 59 0	.7	<.02	<.05	.03	30	N	N	70	<1
HM5	34 4 30	83 59 0	1.5	.1	<.05	.5	50	N	30	300	1.5
HM6	34 4 45	83 59 30	1.5	.07	<.05	.3	700	N	<10	500	<1
HM7	34 4 45	83 59 30	1	.05	<.05	.15	300	N	<10	300	<1
HM8	34 6 20	84 1 30	7	.5	<.05	1	700	N	200	1,000	1.5
J1	34 25 11	84 8 50	3	1.5	.02	.3	700	N	15	700	2
J2	34 25 11	84 8 50	1	.2	1	.1	500	N	10	70	<1
BL01	34 52 29	83 34 10	15	5	3	.7	2,000	N	N	50	N
BL01	34 52 29	83 34 10	7	5	7	.3	1,500	N	--	30	N
BL02	34 52 26	83 34 20	3	1	2	.7	700	N	--	200	2
BL03	34 52 29	83 34 15	5	1.5	<.05	.7	1,000	N	<10	500	2
BL03	34 52 29	83 34 15	3	1	.05	.3	1,000	N	--	200	2
BL04	34 52 29	83 34 15	1	.5	.7	.15	700	N	--	700	3
BL04	34 52 29	83 34 15	1	.5	1	.2	500	N	<10	500	2
BL05	34 52 26	83 33 58	5	.07	N	.2	700	N	N	20	1
BL05	34 52 26	83 33 58	7	.1	.005	.15	700	N	--	30	1

Table 2. - Analyses of rock and saprolite samples.--Continued

Sample	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sc-ppm s	Sr-ppm s
H082	10	10	20	N	N	10	10	<10	15	N
H083	7	<10	20	N	N	<10	5	N	10	N
H084	N	<10	<5	N	N	N	N	N	N	N
H085	10	30	10	50	N	10	7	15	10	100
H086	15	50	15	100	N	20	10	20	20	<100
H087	15	100	50	20	N	10	10	20	20	<100
H088	10	<10	<5	N	N	<10	5	N	N	N
H089	7	<10	<5	N	N	<10	5	15	10	N
H090	7	<10	<5	N	N	N	N	N	7	N
H091	N	<10	<5	N	N	N	5	15	7	N
H092	N	N	<5	N	N	10	<5	50	5	N
H093	N	<10	15	N	20	<10	5	<10	10	N
H094	N	<10	10	N	N	N	N	<10	5	N
H095	7	<10	20	N	N	<10	7	10	10	N
H096	10	<10	50	N	N	N	5	N	15	N
H097	10	<10	30	N	N	N	<5	15	20	N
H098	<5	<10	15	N	N	<10	5	<10	10	N
H099	20	<10	10	N	N	<10	<5	N	10	N
H100	20	<10	20	N	N	<10	<5	<10	10	N
H101	7	10	15	N	N	<10	5	<10	10	N
H102	15	<10	10	N	N	<10	5	N	7	N
H103	15	<10	20	N	N	<10	7	N	10	N
H104	15	N	30	N	5	<10	5	10	7	N
H105	20	<10	30	N	5	<10	5	<10	10	N
H106	10	<10	<5	N	N	<10	<5	<10	7	N
H107	10	<10	30	N	N	<10	5	<10	10	N
H108	7	<10	<5	N	N	70	7	30	7	N
HB01	7	5	15	N	N	N	N	20	--	30
HB01	10	N	20	N	N	10	<2	30	N	100
HB02	50	70	100	100	N	20	50	50	20	150
HB02	15	30	70	70	N	10	30	30	--	100
HB03	20	70	70	150	N	15	30	20	--	70
HB03	70	150	100	150	N	15	50	50	50	150
HB04	3	1	7	N	N	N	N	50	--	150
HB04	N	N	20	N	N	<10	N	70	N	700
HB05	30	70	30	70	N	20	30	50	20	N
HB05	20	70	30	70	N	15	30	20	--	15
HB11	10	50	20	70	N	<10	15	30	15	<100
HB12	70	150	20	50	N	<10	20	<10	15	<100
HB13	30	150	30	30	N	10	50	30	15	<100
HB14	10	5	30	<20	N	<10	10	50	<5	<100
HM1	N	<5	15	20	N	30	<5	30	<5	N
HM2	15	200	20	<20	N	15	20	20	30	<100
HM3	10	150	30	<20	N	15	15	30	20	<100
HM4	<5	<5	7	<20	N	<10	5	<10	<5	N
HM5	<5	70	10	<20	N	10	<5	15	7	<100
HM6	N	15	30	<20	N	10	<5	<10	5	<100
HM7	15	15	10	<20	N	<10	<5	<10	<5	N
HM8	20	200	20	<20	N	15	15	15	30	<100
J1	20	50	50	70	N	10	70	15	15	N
J2	5	10	<5	20	N	<10	70	<10	<5	50
BL01	50	100	200	N	N	<10	50	50	50	200
BL01	30	100	150	N	N	N	30	30	--	150
BL02	15	50	70	70	N	15	30	30	--	150
BL03	30	70	150	150	N	20	70	50	30	N
BL03	30	70	100	150	N	15	30	20	--	20
BL04	15	15	3	70	N	10	15	50	--	150
BL04	10	20	10	100	N	10	5	70	5	200
BL05	20	200	30	20	N	10	30	<10	50	N
BL05	30	200	70	30	N	<10	30	10	--	N

Table 2. - Analyses of rock and saprolite samples.--Continued

Sample	V-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Au-ppm aa	Hg-ppm inst	As-ppm aa	Zn-ppm aa	Cu-ppm aa	Pb-ppm aa	Mo-ppm aa
H082	50	20	<200	300	.9	--	--	64	30	8	6
H083	30	10	N	70	N	--	--	23	26	10	4
H084	<10	N	N	N	N	--	--	<5	<5	<5	4
H085	50	20	<200	150	N	--	--	84	42	24	4
H086	70	50	<200	200	N	--	--	44	27	8	4
H087	100	15	<200	150	N	--	--	12	77	10	2
H088	<10	N	N	70	N	--	--	<5	8	<5	3
H089	15	<10	N	70	N	--	--	25	<5	12	3
H090	15	N	N	30	12	--	--	6	5	8	4
H091	20	10	N	70	N	--	--	18	5	22	3
H092	<10	20	N	70	N	--	--	<5	<5	6	4
H093	<10	20	N	100	.5	--	--	<5	17	12	60
H094	15	<10	N	70	.3	--	--	5	42	16	8
H095	10	15	N	70	.7	--	--	<5	14	10	4
H096	30	<10	N	50	26	--	--	32	58	8	4
H097	20	<10	N	70	.2	--	--	6	26	36	3
H098	10	15	N	50	.2	--	--	<5	9	6	2
H099	10	15	N	150	2.6	--	--	<5	10	<5	2
H100	<10	20	N	70	.2	--	--	5	12	8	2
H101	15	20	N	100	.1	--	--	10	18	10	<2
H102	30	10	N	50	.02	--	--	5	9	<5	<2
H103	50	15	N	70	.08	--	--	6	17	6	2
H104	<10	20	N	100	.1	--	--	12	44	10	4
H105	50	15	N	50	.3	--	--	15	39	6	2
H106	<10	20	N	150	4.9	--	--	9	10	6	4
H107	15	20	N	200	17	--	--	7	32	8	<2
H108	<10	10	N	30	.02	--	--	5	6	24	<2
HB01	7	20	N	300	N	--	<10	<25	<10	<25	--
HB01	10	15	N	500	N	--	--	--	--	--	--
HB02	100	30	N	700	N	--	--	--	--	--	--
HB02	70	30	N	200	N	--	<10	58	22	<25	--
HB03	150	150	N	150	N	--	<10	130	24	<25	--
HB03	150	150	<200	200	.02	--	--	--	--	--	--
HB04	7	20	N	20	N	--	<10	<25	<10	<25	--
HB04	10	30	N	50	N	--	--	--	--	--	--
HB05	200	50	N	700	N	--	--	--	--	--	--
HB05	150	50	N	300	N	--	10	170	<10	<25	--
HB11	70	70	<200	150	N	--	--	70	<5	16	2
HB12	150	30	N	70	N	--	--	44	10	14	<2
HB13	150	30	N	300	N	--	--	59	<5	18	<2
HB14	20	10	N	70	N	--	--	20	<5	12	<2
HM1	10	30	N	200	N	--	--	10	<5	12	2
HM2	150	15	N	300	N	--	--	13	16	18	2
HM3	200	30	N	500	N	--	--	10	19	10	2
HM4	15	N	N	30	N	--	--	<5	<5	<5	<2
HM5	70	N	N	700	N	--	--	16	6	8	2
HM6	50	<10	N	700	N	--	--	7	6	<5	2
HM7	30	<10	N	200	.02	--	--	6	<5	<5	2
HM8	150	10	N	300	N	--	--	18	14	14	2
J1	200	30	<200	200	N		--	80	30	16	4
J2	10	10	N	200	N		--	14	<5	<5	4
BL01	500	30	N	15	.04	--	--	--	--	--	--
BL01	300	20	N	N	N	--	<10	<25	110	<25	--
BL02	70	50	N	300	.04	--	<10	60	39	<25	--
BL03	200	200	N	700	.02	--	--	--	--	--	--
BL03	150	150	N	300	N	--	10	230	29	<25	--
BL04	20	70	N	100	.02	--	<10	56	<10	<25	--
BL04	20	70	N	150	N	--	--	--	--	--	--
BL05	100	50	N	50	N	--	--	--	--	--	--
BL05	150	30	N	10	N	--	<10	41	16	<25	--

Table 2. - Analyses of rock and saprolite samples.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	B-ppm s	Ba-ppm s	Be-ppm s
BL06	34 52 25	83 33 57	5	.07	N	.3	700	N	N	50	1
BL06	34 52 25	83 33 57	5	.2	.005	.3	700	N	--	50	1
BL07	34 51 50	83 34 20	2	.2	.3	.05	700	N	--	30	N
BL07	34 51 50	83 34 20	2	.07	.3	.07	500	N	N	30	<1
BL08	34 51 52	83 34 37	1	.2	.7	.1	500	N	N	70	1
BL08	34 51 52	83 34 37	3	.7	1	.1	1,000	N	--	100	N
BL09	34 51 52	83 34 37	1.5	.2	.2	.07	1,500	N	--	70	N
BL09	34 51 52	83 34 37	1	.2	.2	.1	1,000	N	N	70	1
BL10	34 51 30	83 34 49	5	.2	.005	.1	1,000	N	--	70	N
BL10	34 51 30	83 34 49	5	.2	N	.2	700	N	N	100	<1
BL12	34 51 32	83 35 4	.5	.2	.1	.05	200	N	--	30	N
BL12	34 51 32	83 35 4	1	.1	.1	.1	200	N	N	50	<1
BL13	34 51 32	83 35 4	5	.2	N	.2	700	N	N	300	1
BL13	34 51 32	83 35 4	3	.5	.005	.3	1,500	N	--	300	1
BL17	34 49 54	83 35 14	2	.05	1.5	.1	300	N	N	30	1
BL17	34 49 54	83 35 14	3	.3	3	.15	500	N	--	50	1
BL18	34 50 3	83 35 34	3	.7	.7	.7	1,000	N	N	500	3
BL18	34 50 3	83 35 34	2	.7	.7	.3	70	N	--	500	2
BL19	34 52 4	83 32 16	1.5	.3	.07	.15	200	N	--	150	N
BL19	34 52 4	83 32 16	1.5	.2	<.05	.2	200	N	N	200	1
BL20	34 52 5	83 32 36	3	.7	5	.15	1,000	N	--	50	N
BL20	34 52 5	83 32 36	5	2	3	.2	1,000	N	N	50	<1
BL21	34 50 37	83 34 56	7	.03	.07	.15	2,000	N	--	50	N
BL21	34 50 37	83 34 56	5	<.02	<.05	.2	1,500	N	N	30	<1
BL22	34 50 20	83 34 32	3	.03	.015	.15	300	N	--	30	N
BL22	34 50 20	83 34 32	5	.02	<.05	.5	500	N	N	50	<1
BL25	34 49 59	83 36 25	1	.2	.5	.2	200	N	N	200	1.5
BL25	34 49 59	83 36 25	1.5	.3	1.5	.15	200	N	--	200	2
BL26	34 49 12	83 35 0	3	.1	N	.5	700	N	N	100	1
BL26	34 49 12	83 35 0	3	.2	.02	.15	700	N	--	70	1
BL29	34 47 21	83 36 0	2	.3	.03	.15	1,500	N	--	100	N
BL29	34 47 21	83 36 0	3	.5	<.05	.3	1,000	N	N	200	1
BL33	34 47 50	83 36 41	5	.5	.15	.3	300	N	--	150	N
BL33	34 47 50	83 36 41	3	.2	.05	.7	300	N	N	200	<1
BL35	34 47 15	83 33 10	5	.5	.07	.3	500	N	--	500	1
BL35	34 47 15	83 33 10	5	.5	<.05	.5	700	1	50	500	1
BL37	34 46 18	83 37 7	1.5	.5	.005	.3	700	N	--	150	N
BL37	34 46 18	83 37 7	3	.7	<.05	.7	1,000	N	N	300	1.5
BL40	34 51 32	83 35 9	3	.7	1	.3	500	N	<10	300	1
BL41	34 51 32	83 35 9	3	.7	1	.5	700	N	<10	300	1.5
OS1	34 57 33	83 43 46	.2	<.02	<.02	<.002	20	N	N	<20	N
OS2	34 57 33	83 43 46	.15	<.02	<.02	<.002	20	N	N	<20	N
MAT01	34 18 40	84 13 50	5	.5	.015	.3	1,000	N	--	700	1
MAT02	34 19 27	84 13 17	7	.1	.02	.5	500	N	--	700	2
MAT03	34 19 41	84 13 1B	5	.7	.05	.5	200	N	--	300	2
MAT04	34 19 55	84 13 7	5	.3	.03	.3	500	N	--	700	2
MAT05	34 19 56	84 13 6	1	.07	.005	.1	70	N	--	500	N
MAT06	34 20 19	84 12 50	5	.07	.03	.5	150	N	--	700	1.5
MAT07	34 21 7	84 12 58	3	.15	.07	.3	500	N	--	700	1.5
MAT08	34 21 20	84 12 58	7	.7	.015	.5	200	N	--	1,000	2
MAT10	34 20 23	84 13 5	10	<.005	.007	.015	100	N	--	50	N
MAT11	34 20 21	84 13 10	10	.015	.01	.7	1,000	N	--	100	N
MAT12	34 20 22	84 13 10	>10	.007	.02	.015	2,000	N	--	150	N
MAT13	34 20 22	84 13 10	7	.07	.03	.5	300	N	--	700	1.5
MAT14	34 20 23	84 13 10	7	.3	.07	.3	500	N	--	500	1.5
MAT15	34 20 24	84 13 10	7	.7	.03	.5	500	N	--	700	3
MAT16	34 20 35	84 11 33	7	.3	.03	1	500	N	--	500	1.5
MAT17	34 20 29	84 11 13	7	.2	.07	.5	500	N	--	700	3
M05	34 28 8	83 58 2	10	1.5	<.05	1	1,000	<.5	50	500	2
M07	34 28 8	83 58 2	7	.7	.005	.5	700	N	--	700	N

Table 2. - Analyses of rock and saprolite samples.--Continued

Sample	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sc-ppm s	Sr-ppm s
BL06	15	20	70	N	N	10	30	10	30	N
BL06	15	15	70	N	N	15	30	15	--	N
BL07	15	30	70	30	3	<10	10	10	--	7
BL07	15	70	30	20	N	<10	<2	<10	15	N
BL08	15	20	30	N	N	<10	5	20	30	N
BL08	30	15	70	N	N	<10	15	20	--	30
BL09	50	10	70	N	N	<10	15	15	--	5
BL09	50	10	30	N	N	<10	5	20	20	N
BL10	30	30	150	N	N	<10	70	10	--	N
BL10	70	70	200	N	N	<10	100	10	50	N
BL12	15	50	70	N	N	<10	30	N	--	N
BL12	15	70	70	N	N	<10	10	N	10	N
BL13	20	50	200	100	N	<10	5	70	20	N
BL13	20	50	150	150	N	10	30	70	--	30
BL17	5	N	10	N	N	<10	<2	10	15	100
BL17	5	5	30	N	N	N	N	10	--	150
BL18	15	50	100	50	N	10	5	50	15	300
BL18	15	30	30	50	N	10	15	30	--	150
BL19	15	20	30	N	N	<10	15	15	--	30
BL19	10	20	20	20	N	<10	2	30	5	N
BL20	30	300	15	N	N	N	150	15	--	100
BL20	50	700	10	N	N	<10	150	20	50	100
BL21	30	100	70	N	N	N	30	15	--	5
BL21	50	100	100	N	N	<10	5	20	30	N
BL22	15	10	70	N	N	<10	15	20	--	N
BL22	20	20	100	N	N	10	5	50	20	N
BL25	5	10	20	20	N	<10	N	30	10	200
BL25	5	10	7	50	N	<10	3	20	--	200
BL26	10	10	70	<20	N	10	<2	30	30	N
BL26	15	10	70	N	N	10	10	15	--	N
BL29	15	7	70	N	N	<10	3	10	--	N
BL29	50	10	70	<20	N	10	<2	20	20	N
BL33	20	100	700	N	N	<10	70	10	--	5
BL33	20	100	300	<20	N	10	50	15	30	N
BL35	7	50	100	300	N	20	10	20	--	100
BL35	15	70	150	300	N	10	2	70	20	100
BL37	20	30	70	70	N	10	20	20	--	15
BL37	30	50	100	200	N	10	30	50	10	N
BL40	15	30	20	20	N	10	10	<10	10	100
BL41	15	20	50	N	N	15	7	10	10	200
OS1	N	<5	10	<20	N	<10	N	N	N	N
OS2	N	<5	5	<20	N	<10	N	N	N	N
MAT01	50	50	30	150	N	10	20	20	--	10
MAT02	50	70	70	70	N	10	30	30	--	70
MAT03	15	70	50	100	N	10	30	30	--	70
MAT04	20	30	50	150	N	20	20	50	--	70
MAT05	N	10	15	N	N	<10	5	20	--	15
MAT06	7	100	70	N	N	10	30	50	--	30
MAT07	15	70	50	50	N	15	20	50	--	70
MAT08	10	70	50	N	N	10	15	30	--	50
MAT10	N	5	15	N	N	N	7	10	--	N
MAT11	70	200	200	N	N	N	100	10	--	5
MAT12	70	20	150	<30	N	N	50	15	--	5
MAT13	15	150	100	N	N	10	50	50	--	15
MAT14	30	100	70	30	N	10	50	50	--	20
MAT15	15	100	100	50	N	10	30	30	--	50
MAT16	20	100	200	N	N	15	50	30	--	10
MAT17	15	70	70	150	N	20	20	50	--	100
M05	20	100	50	50	<5	<10	20	50	30	<100
M07	10	70	50,000	50	N	10	20	30	--	10

Table 2. - Analyses of rock and saprolite samples.--Continued

Sample	V-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Au-ppm aa	Hg-ppm inst	As-ppm aa	Zn-ppm aa	Cu-ppm aa	Pb-ppm aa	Mo-ppm aa
BL06	100	N	N	150	.02	--	--	--	--	--	--
BL06	150	N	N	300	N	--	<10	<25	13	<25	--
BL07	50	30	N	10	N	--	<10	<25	19	<25	--
BL07	70	20	N	10	N	--	--	--	--	--	--
BL08	70	20	N	50	.02	--	--	--	--	--	--
BL08	150	30	N	300	N	--	<10	99	18	<25	--
BL09	70	15	N	70	N	--	<10	32	15	<25	--
BL09	70	15	N	300	N	--	--	--	--	--	--
BL10	150	N	N	50	N	--	<10	35	31	<25	--
BL10	150	10	N	100	N	--	--	--	--	--	--
BL12	20	N	N	30	N	--	<10	<25	24	28	--
BL12	50	N	N	20	N	--	--	--	--	--	--
BL13	100	50	N	150	N	--	--	--	--	--	--
BL13	70	50	N	150	N	--	<10	87	120	<25	--
BL17	10	50	N	70	N	--	--	--	--	--	--
BL17	15	50	N	70	N	--	<10	<25	12	<25	--
BL18	100	50	N	500	.04	--	--	--	--	--	--
BL18	70	30	N	300	N	--	<10	68	15	<25	--
BL19	50	15	N	150	N	--	<10	45	<10	<25	--
BL19	50	10	N	200	.02	--	--	--	--	--	--
BL20	150	10	N	10	N	--	<10	<25	<10	<25	--
BL20	150	10	N	10	N	--	--	--	--	--	--
BL21	150	<10	N	15	N	--	<10	28	16	<25	--
BL21	200	N	N	20	N	--	--	--	--	--	--
BL22	70	N	N	70	N	--	<10	<25	13	<25	--
BL22	150	N	N	200	N	--	--	--	--	--	--
BL25	20	15	N	500	.02	--	--	--	--	--	--
BL25	30	20	N	300	N	--	<10	51	<10	<25	--
BL26	200	15	N	150	.02	--	--	--	--	--	--
BL26	150	15	N	200	N	--	<10	37	13	<25	--
BL29	70	10	N	100	N	--	<10	62	15	<25	--
BL29	150	15	N	200	N	--	--	--	--	--	--
BL33	150	10	N	100	N	--	<10	50	330	<25	--
BL33	200	15	N	150	.02	--	--	--	--	--	--
BL35	70	150	N	150	N	--	<10	46	43	<25	--
BL35	70	150	N	150	.04	--	--	--	--	--	--
BL37	50	30	N	200	N	--	<10	<25	15	<25	--
BL37	100	100	N	700	N	--	--	--	--	--	--
BL40	50	20	N	200	N	--	--	50	30	<5	<2
BL41	50	20	N	200	N	--	--	43	47	<5	<2
OS1	<10	N	N	N	N		--	<25	60	<25	N
OS2	<10	N	N	N	N		--	<25	10	<25	N
MAT01	70	150	N	200	<.02	1.2	<10	140	15	<25	--
MAT02	150	70	N	150	<.02	2.5	<10	50	15	<25	--
MAT03	150	70	N	200	<.02	.95	<10	40	25	<25	--
MAT04	100	70	N	200	<.02	.95	<10	60	50	<25	--
MAT05	20	N	N	200	<.02	1	<10	<25	15	<25	--
MAT06	150	10	N	150	<.02	1.2	<10	<25	25	<25	--
MAT07	100	70	N	300	<.02	1.2	<10	30	25	<25	--
MAT08	150	15	N	150	<.02	.75	<10	50	25	<25	--
MAT10	30	N	N	N	<.02	.6	<10	<25	12	<25	--
MAT11	500	15	N	70	.02	1.3	<10	25	25	<25	--
MAT12	30	20	N	10	.03	.54	<10	<25	50	<25	--
MAT13	300	15	N	150	<.02	1.2	10	25	50	<25	--
MAT14	150	30	N	150	<.02	.9	<10	60	15	45	--
MAT15	300	70	N	200	<.02	1.2	10	120	50	<25	--
MAT16	300	30	N	150	<.02	.71	10	120	150	<25	--
MAT17	150	70	N	300	<.02	.95	<10	25	25	<25	--
M05	200	70	<200	300	N	--	<10	140	--	35	6
M07	150	30	N	200	.02	--	<10	75	<24	25	4

Table 2. - Analyses of rock and saprolite samples.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	B-ppm s	Ba-ppm s	Be-ppm s
M08	34 28 8	83 58 2	7	1	.005	.7	700	1	--	500	N
M09	34 28 8	83 58 2	5	.7	.01	.5	500	N	--	700	N
M10	34 28 8	83 58 2	7	.7	.015	.2	10,000	N	--	700	1.5
M11	34 28 8	83 58 2	7	1	<.005	.3	1,500	N	--	700	N
M12	34 28 8	83 58 2	5	.7	.015	.15	500	N	--	200	3
M13	34 28 8	83 58 2	5	.7	--	.2	300	N	--	200	N
M14	34 28 8	83 58 3	7	1	<.05	.5	700	<.5	<10	300	2
M15	34 28 8	83 58 3	5	.5	.015	.15	300	N	--	150	N
M16	34 28 8	83 58 3	7	1	.01	.3	200	N	--	150	1
M17	34 28 8	83 58 3	1	.2	.005	.07	300	N	--	300	N
M18	34 28 8	83 58 3	5	.7	.01	.3	700	N	--	500	2
M19	34 28 8	83 58 3	10	1	<.05	.7	700	<.5	<10	100	1.5
M20	34 28 8	83 58 3	5	.5	.007	.3	500	N	--	500	2
M21	34 28 8	83 58 4	10	1.5	<.05	1	700	<.5	200	500	1
M22	34 28 8	83 58 4	3	.5	.01	.2	500	N	--	500	N
M24	34 28 7	83 58 5	7	.7	<.05	1	1,000	<.5	70	200	<1
M25	34 28 7	83 58 5	7	.05	.015	.1	200	N	--	70	1.5
M26	34 28 8	83 58 5	7	.7	.02	.5	300	N	--	700	1.5
M27	34 28 7	83 58 6	2	.5	.01	.5	200	N	--	700	N
M28	34 28 7	83 58 6	1.5	.02	.01	.07	150	N	--	150	N
M29	34 28 7	83 58 6	15	.5	<.05	1	1,500	<.5	70	150	1
M30	34 28 7	83 58 6	5	.7	.015	.15	1,000	N	--	100	1.5
M31	34 28 7	83 58 7	10	.7	<.05	.7	1,500	<.5	10	100	1
M32	34 28 7	83 58 8	5	.7	<.05	.7	3,000	<.5	200	>5,000	2
M33	34 28 7	83 58 8	10	1	<.05	1	500	<.5	50	700	1.5
M34	34 28 7	83 58 9	7	.07	.01	.2	1,500	N	--	70	3
M35	34 28 7	83 58 9	7	.7	.01	.5	700	N	--	1,000	1.5
M36	34 28 7	83 58 10	15	.7	.1	.5	2,000	N	10	300	<1
M37	34 28 7	83 58 10	7	.5	<.05	.5	700	N	10	500	1
M38	34 28 7	83 58 13	5	1	.1	.5	700	N	70	700	3
M39	34 28 7	83 58 10	10	.05	.05	.5	2,000	N	10	300	1.5
M40	34 28 8	83 58 17	7	3	7	.2	1,500	N	--	15	N
M40	34 28 8	83 58 17	10	3	5	.3	700	N	N	20	N
M41	34 28 10	83 58 19	5	1	1	.3	700	N	50	500	1.5
M41	34 28 10	83 58 19	3	1.5	2	.3	1,500	N	--	700	2
M42	34 28 12	83 58 25	7	1	.1	.5	500	N	150	700	7
M42	34 28 12	83 58 25	5	1	.15	.7	1,000	N	--	700	3
M43	34 28 13	83 58 28	3	1	.7	.3	1,000	N	--	700	3
M43	34 28 13	83 58 28	5	1	1	.3	500	N	100	500	1.5
M45	34 28 58	83 58 42	2	<.02	.07	.1	100	N	N	30	<1
M45	34 28 58	83 58 42	1	.01	.2	.07	70	N	--	15	N
M48	34 28 32	83 58 46	7	.5	<.05	.5	1,000	N	10	150	2
M48	34 28 32	83 58 46	3	.3	.05	.07	500	N	--	150	3
M50	34 28 19	83 58 36	10	2	2	.5	700	N	70	500	1.5
M50	34 28 19	83 58 36	3	2	3	.2	700	N	--	500	3
M51	34 28 21	83 58 38	3	1	.7	.3	700	N	--	700	3
M51	34 28 21	83 58 38	10	1	.2	.7	700	N	20	700	2
M52	34 29 22	83 58 21	5	2	.5	.3	1,000	N	--	50	N
M52	34 29 22	83 58 21	15	2	.1	.3	1,500	N	N	50	<1
M54	34 29 23	83 58 21	1	1	1	.2	500	N	--	50	1
M54	34 29 23	83 58 21	1.5	.7	.7	.15	500	N	N	50	<1
M58	34 29 45	83 56 35	1	.05	<.05	.2	2,000	N	N	150	1
M58	34 29 45	83 56 35	.7	.03	.03	.15	1,000	N	--	70	1
MC01	34 29 32	83 58 57	10	1	N	.7	1,000	N	20	700	2
MC01	34 29 32	83 58 57	3	.7	.05	.5	300	N	--	700	1.5
MC02	34 29 32	83 58 57	3	1.5	.07	.7	200	N	--	700	1.5
MC02	34 29 32	83 58 57	10	1.5	<.05	.7	500	N	50	700	1
MC03	34 29 32	83 58 57	10	2	3	.5	700	N	20	1,000	1
MC03	34 29 32	83 58 57	3	1.5	1	.7	300	N	--	700	1
MC05	34 29 32	83 58 57	3	.7	.007	.5	500	N	--	500	1

Table 2. - Analyses of rock and saprolite samples.--Continued

Sample	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sc-ppm s	Sr-ppm s
M08	20	100	100	100	N	20	30	50	--	5
M09	10	50	30	50	N	15	20	50	--	15
M10	20	30	70	50	N	10	20	30	--	5
M11	15	100	70,000	30	N	10	20	50	--	10
M12	10	50	70	30	N	N	15	20	--	N
M13	10	50	50	30	N	10	15	50	--	5
M14	10	70	20	70	<5	<10	20	10	10	<100
M15	10	30	20	50	N	10	15	20	--	N
M16	10	50	50	30	N	N	20	10	--	N
M17	15	7	50	N	N	10	15	30	--	15
M18	15	20	70	50	N	10	20	20	--	10
M19	15	70	50	100	<5	<10	50	15	15	<100
M20	7	30	30	N	N	10	15	15	--	5
M21	20	200	70	100	<5	<10	50	30	20	<100
M22	7	30	30	N	N	10	7	20	--	10
M24	10	70	50	20	<5	<10	20	<10	15	<100
M25	5	7	7	N	N	N	3	N	--	N
M26	15	100	70	30	N	20	30	30	--	20
M27	5	30	30	N	N	20	7	20	--	10
M28	10	30	50	30	N	N	100	10	--	N
M29	20	300	70	100	<5	<10	100	<10	100	<100
M30	10	70	70	30	N	N	30	20	--	N
M31	20	200	70	50	<5	<10	50	<10	50	<100
M32	20	100	100	30	<5	<10	20	20	30	<100
M33	20	150	50	30	<5	<10	50	30	30	<100
M34	30	150	300	<30	N	N	70	10	--	N
M35	10	70	50	N	N	10	20	20	--	20
M36	50	100	150	100	N	10	50	20	50	N
M37	15	70	20	100	N	15	20	30	10	50
M38	15	70	30	100	N	10	20	50	15	100
M39	100	200	200	70	N	10	150	20	70	N
M40	30	150	100	N	N	N	100	N	--	150
M40	70	300	150	<20	N	10	100	10	70	200
M41	30	70	30	70	N	10	30	30	20	200
M41	20	30	50	70	N	10	30	30	--	150
M42	30	70	100	200	N	100	15	100	30	100
M42	30	70	70	300	N	70	30	50	--	150
M43	7	50	30	30	N	20	10	30	--	150
M43	10	70	10	50	N	N	5	50	15	200
M45	N	<10	5	20	N	<10	2	<10	5	70
M45	N	1	1	N	N	<10	N	N	--	30
M48	20	50	70	150	N	15	30	50	15	50
M48	30	50	50	150	N	10	50	20	--	30
M50	15	70	50	70	N	15	20	70	20	500
M50	15	50	50	70	N	15	30	20	--	150
M51	15	30	30	100	N	30	15	30	--	150
M51	20	70	20	100	N	20	15	50	15	200
M52	30	150	30	N	N	N	50	10	--	30
M52	50	200	20	N	N	<10	50	30	50	<50
M54	10	7	70	N	N	N	N	10	--	150
M54	10	10	70	N	N	<10	2	15	15	150
M58	30	10	10	N	N	<10	20	10	5	N
M58	20	5	30	N	N	N	30	10	--	5
MC01	50	100	30	70	N	20	30	50	20	50
MC01	30	70	70	70	N	15	30	30	--	70
MC02	30	70	70	70	N	15	30	30	--	30
MC02	30	100	70	70	N	15	30	50	30	N
MC03	20	100	50	50	N	15	30	100	15	200
MC03	15	70	30	50	N	15	30	50	--	150
MC05	50	50	70	N	N	15	30	20	--	15

Table 2. - Analyses of rock and saprolite samples.--Continued

Sample	V-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Au-ppm aa	Hg-ppm inst	As-ppm aa	Zn-ppm aa	Cu-ppm aa	Pb-ppm aa	Mo-ppm aa
M08	150	70	N	150	.02	--	<10	120	<24	35	2
M09	100	50	N	200	N	--	10	60	<24	25	<2
M10	70	50	N	100	.02	--	60	75	48	40	<2
M11	150	30	N	70	N	--	<10	75	<24	30	2
M12	70	15	N	100	N	--	<10	50	180	<25	<2
M13	70	20	N	150	N	--	10	--	<24	--	--
M14	200	20	<200	300	N	--	<10	140	--	25	4
M15	100	20	N	70	N	--	--	--	--	--	--
M16	70	15	N	100	.02	--	10	70	<24	40	2
M17	10	20	N	50	N	--	<10	<25	<24	<25	<2
M18	50	50	N	150	N	--	<10	50	300	<25	2
M19	200	100	<200	200	N	--	<10	120	--	25	8
M20	70	15	N	300	.02	--	10	30	180	<25	2
M21	300	50	<200	500	N	--	<10	145	--	25	4
M22	70	30	N	200	N	--	<10	<25	<24	<25	<2
M24	200	15	<200	300	.2	--	<10	100	--	25	4
M25	15	N	N	70	.02	--	60	<25	<24	<25	<2
M26	150	30	N	200	.02	--	20	30	600	<25	2
M27	70	30	N	200	.02	--	30	30	<24	<25	2
M28	15	30	N	150	.04	--	10	<25	<24	<25	<2
M29	700	100	<200	200	N	--	40	105	--	25	10
M30	70	15	N	30	.02	--	10	60	300	<25	<2
M31	500	50	<200	70	N	--	<10	125	--	30	8
M32	200	20	<200	200	N	--	20	120	--	<25	8
M33	200	30	<200	300	N	--	<10	170	--	<25	8
M34	200	10	N	30	N	--	N	45	1,080	<25	2
M35	100	30	N	200	.02	--	10	40	240	<25	4
M36	300	150	N	150	N	--	10	68	44	<25	--
M37	70	50	N	500	N	--	<10	76	16	<25	--
M38	70	50	N	700	N	--	<10	83	16	<25	--
M39	500	70	N	150	N	--	<10	95	120	<25	--
M40	300	30	N	30	N	--	<10	<25	41	<25	--
M40	300	30	N	500	N	--	--	--	--	--	--
M41	100	50	N	300	N	--	--	--	--	--	--
M41	70	70	N	300	N	--	<10	60	26	<25	--
M42	100	100	N	700	N	--	--	--	--	--	--
M42	70	150	N	700	N	--	10	73	33	<25	--
M43	70	20	N	300	N	--	<10	76	13	<25	--
M43	100	20	N	200	N	--	--	--	--	--	--
M45	<10	50	N	200	N	--	--	--	--	--	--
M45	7	50	N	300	.02	--	<10	<25	<10	<25	--
M48	70	70	N	300	N	--	--	--	--	--	--
M48	70	150	N	200	N	--	20	85	17	<25	--
M50	100	50	N	300	N	--	--	--	--	--	--
M50	70	70	N	300	N	--	<10	73	23	<25	--
M51	70	70	N	500	N	--	<10	87	15	<25	--
M51	50	50	<200	500	N	--	--	--	--	--	--
M52	150	<10	N	30	N	--	<10	44	10	<25	--
M52	200	10	<200	100	N	--	--	--	--	--	--
M54	30	15	N	100	N	--	<10	<25	41	<25	--
M54	50	10	N	150	N	--	--	--	--	--	--
M58	100	10	N	50	N	--	--	--	--	--	--
M58	30	10	N	N	N	--	<10	28	17	<25	--
MC01	200	70	N	500	.06	--	--	--	--	--	--
MC01	150	70	N	300	N	--	100	68	27	<25	--
MC02	150	70	N	300	N	--	60	110	25	<25	--
MC02	200	50	N	300	.06	--	--	--	--	--	--
MC03	100	30	<200	200	.06	--	--	--	--	--	--
MC03	150	70	N	200	N	--	10	82	23	25	--
MC05	150	30	N	200	.05	--	10	63	28	<25	--

Table 2. - Analyses of rock and saprolite samples.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	B-ppm s	Ba-ppm s	Be-ppm s
MC05	34 29 32	83 58 57	15	.7	<.05	.7	2,000	N	20	500	1
MC06	34 29 32	83 58 57	3	1	.05	.7	200	N	--	500	1
MC06	34 29 32	83 58 57	10	1.5	<.05	.7	700	N	50	700	1
MC07	34 29 32	83 58 57	3	1	.02	.7	500	N	--	700	1
MC07	34 29 32	83 58 57	5	1	N	.5	700	N	10	300	1
MC08	34 29 32	83 58 57	15	1.5	<.05	.5	2,000	N	20	1,000	1
MC08	34 29 32	83 58 57	5	1.5	.07	.7	700	N	--	700	1.5
MC09	34 29 32	83 58 57	3	.2	.005	.7	300	N	--	500	1
MC09	34 29 32	83 58 57	10	.1	N	.5	700	N	50	500	1
MC10	34 29 32	83 58 57	15	1	N	.7	700	N	30	700	1.5
MC10	34 29 32	83 58 57	7	1	.007	.7	300	N	--	700	2
MC11	34 29 32	83 58 57	3	1	.005	.7	1,500	N	--	300	1
MC11	34 29 32	83 58 57	15	1	N	.7	3,000	N	10	300	1
MC12	34 29 32	83 58 57	5	1	.03	.7	1,500	N	--	200	1.5
MC12	34 29 32	83 58 57	15	1.5	<.05	1	1,500	N	50	500	1
MC13	34 29 32	83 58 57	15	1.5	<.05	.7	3,000	N	15	500	1
MC13	34 29 32	83 58 57	3	.7	.01	.3	1,500	N	--	150	1
MC14	34 29 32	83 59 0	3	.1	N	.5	500	N	20	150	1
MC15	34 29 32	83 59 0	3	.1	N	.7	200	N	20	200	1
MC16	34 29 32	83 59 0	3	.5	N	.7	500	N	20	200	1
MC17	34 29 32	83 59 0	2	.3	N	.5	300	N	30	300	1
MC20	34 29 32	83 59 0	15	7	5	1	3,000	<.5	20	1,000	2
MC21	34 29 32	83 59 0	15	10	10	1	3,000	<.5	20	1,500	1
MC22	34 29 32	83 59 0	10	5	10	.2	3,000	<.5	10	700	1
MC23	34 29 32	83 59 0	15	7	5	>1	3,000	<.5	20	1,500	1
MC24	34 29 32	83 59 0	.7	.05	.1	.05	200	<.5	<10	50	<1
MC25	34 29 32	83 59 0	20	5	3	>1	3,000	<.5	70	2,000	2
MC26	34 29 32	83 59 0	>20	5	2	>1	5,000	<.5	100	2,000	2
MC27	34 29 32	83 59 0	2	.05	.05	.05	200	<.5	10	50	<1
MC28	34 29 32	83 59 0	15	7	3	>1	3,000	<.5	30	1,500	2
MC29	34 29 32	83 59 0	15	7	3	>1	3,000	<.5	50	1,000	2
MC30	34 29 32	83 59 0	15	7	5	>1	3,000	<.5	50	1,000	2
MC31	34 29 32	83 59 0	7	3	2	.15	3,000	<.5	10	300	1
MC32	34 29 32	83 59 0	15	7	5	>1	3,000	<.5	15	1,500	2
MC33	34 29 32	83 59 0	10	3	5	.7	2,000	<.5	10	1,000	1
MC34	34 29 32	83 59 0	20	7	3	1	3,000	<.5	20	1,000	1
MC35	34 29 32	83 59 0	15	7	3	.5	1,500	<.5	30	1,000	2
MC36	34 29 32	83 59 0	15	7	1.5	.5	1,000	<.5	20	1,000	2
MC37	34 29 32	83 59 0	10	5	7	.3	1,500	<.5	10	1,000	1
MC38	34 29 32	83 59 0	15	7	2	1	1,000	<.5	50	1,000	1
MC39	34 29 32	83 59 0	15	5	1.5	1	700	<.5	10	1,500	1
MC40	34 29 32	83 59 0	15	7	1.5	1	2,000	<.5	20	1,000	1
MC41	34 29 32	83 59 0	10	7	10	.5	1,500	<.5	10	700	1
MC42	34 29 32	83 59 0	15	7	3	.7	1,000	<.5	10	1,000	2
MC43	34 29 32	83 59 0	15	7	5	1	2,000	<.5	30	1,500	1
MC44	34 29 32	83 59 0	15	5	2	1	1,000	<.5	50	1,500	2
MC45	34 31 47	83 22 32	>20	.3	1	.15	>5,000	N	15	300	2
MC46	34 29 32	83 59 0	15	5	10	1	1,500	<.5	50	1,000	2
MC47	34 29 32	83 59 0	15	5	5	.7	1,500	<.5	50	1,500	1
MC48	34 29 32	83 59 0	10	5	3	.5	1,000	<.5	10	700	1
MC49	34 29 32	83 59 0	15	7	3	1	1,500	<.5	10	1,000	1
MC50	34 29 32	83 59 0	5	1.5	2	.1	1,500	<.5	<10	150	<1
MC51	34 29 32	83 59 0	10	7	1.5	.7	1,000	<.5	<10	1,000	2
MC52	34 29 32	83 59 0	7	2	2	.2	1,500	<.5	<10	500	1
MC53	34 29 32	83 59 0	15	7	1	.7	1,000	<.5	50	1,000	2
MC54	34 29 32	83 59 0	7	5	1	.5	1,500	<.5	30	1,000	2
MC55	34 31 47	83 22 32	20	.5	1	.3	>5,000	N	15	700	1
MC56	34 29 32	83 59 0	10	7	1	.5	1,000	<.5	70	1,500	2
MC57	34 29 32	83 59 0	15	7	.7	.5	1,000	<.5	70	1,500	2
MT1	34 29 15	83 59 9	3	1.5	1	.7	500	N	--	500	1

Table 2. - Analyses of rock and saprolite samples.--Continued

Sample	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sc-ppm s	Sr-ppm s
MC05	100	100	50	30	N	15	50	20	20	N
MC06	30	70	70	70	N	10	30	20	--	30
MC06	50	100	70	70	N	15	50	30	20	N
MC07	15	70	10	50	N	10	50	30	--	15
MC07	15	70	20	70	N	15	20	30	15	N
MC08	50	150	70	50	N	15	50	100	20	50
MC08	30	70	100	30	N	10	30	70	--	30
MC09	20	70	70	N	N	15	30	15	--	15
MC09	20	100	20	20	N	20	30	10	20	N
MC10	50	150	100	70	N	20	50	30	30	N
MC10	30	70	150	70	N	15	50	30	--	15
MC11	15	50	150	70	N	15	30	300	--	10
MC11	50	150	100	70	N	15	50	300	20	N
MC12	20	70	70	100	N	15	30	500	--	15
MC12	30	150	100	100	N	20	50	500	30	<50
MC13	50	100	50	30	N	15	30	20	30	N
MC13	30	30	30	30	N	10	30	15	--	7
MC14	30	50	30	<20	N	10	70	10	15	N
MC15	15	50	20	<20	N	10	50	10	15	N
MC16	20	70	50	20	N	10	50	15	15	N
MC17	15	50	30	50	N	<10	50	15	15	N
MC20	50	150	100	20	<2	20	100	50	50	500
MC21	30	150	5	20	<2	15	70	20	50	500
MC22	10	15	5	<20	<2	10	30	10	10	150
MC23	50	200	5	50	<2	30	100	30	70	500
MC24	<5	5	5	<20	<2	10	<2	<10	<5	<50
MC25	70	150	10	50	<2	15	100	15	50	300
MC26	100	200	70	70	<2	20	150	70	70	200
MC27	<5	<5	2	<20	<2	10	<2	<10	<5	<50
MC28	50	200	20	50	<2	50	100	20	50	300
MC29	70	200	10	50	<2	30	100	30	50	500
MC30	70	200	70	30	<2	50	100	30	70	500
MC31	<5	5	50	<20	<2	15	20	10	5	100
MC32	70	200	70	30	<2	50	100	20	70	500
MC33	15	100	50	20	<2	20	50	<10	20	150
MC34	50	150	50	30	<2	30	70	20	50	500
MC35	50	150	10	20	<2	10	70	20	30	200
MC36	50	150	10	20	<2	15	50	15	30	200
MC37	20	30	70	<20	<2	15	30	20	20	150
MC38	70	200	10	20	<2	20	100	30	50	200
MC39	50	150	150	20	<2	20	70	50	50	150
MC40	70	150	10	20	<2	30	70	30	50	200
MC41	70	100	150	<20	<2	20	70	50	30	300
MC42	50	150	50	<20	5	20	70	50	50	300
MC43	70	200	30	20	10	20	100	50	70	300
MC44	70	200	20	20	5	20	70	50	50	200
MC45	30	15	50	N	N	N	30	30	15	70
MC46	70	150	15	20	5	30	70	70	30	300
MC47	70	150	30	20	5	20	70	20	30	300
MC48	20	50	20	<20	<2	15	30	50	20	100
MC49	70	150	50	20	5	20	70	150	50	500
MC50	<5	<5	5	<20	<2	10	10	100	10	70
MC51	50	150	30	70	15	15	70	700	30	200
MC52	10	20	50	20	<2	10	20	10	15	150
MC53	50	150	10	50	<2	20	50	20	50	150
MC54	30	70	5	50	<2	20	30	20	30	150
MC55	100	30	100	N	N	<10	200	30	15	50
MC56	70	150	50	100	15	15	70	200	30	150
MC57	20	100	30	150	15	20	50	150	50	100
MT1	20	70	70	50	N	15	30	30	--	150

Table 2. - Analyses of rock and saprolite samples.--Continued

Sample	V-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Au-ppm aa	Hg-ppm inst	As-ppm aa	Zn-ppm aa	Cu-ppm aa	Pb-ppm aa	Mo-ppm aa
MC05	150	30	N	300	.1	--	--	--	--	--	--
MC06	150	50	N	300	N	--	<10	100	25	<25	--
MC06	150	50	N	300	.02	--	--	--	--	--	--
MC07	150	70	N	300	N	--	10	130	19	<25	--
MC07	100	30	N	500	.06	--	--	--	--	--	--
MC08	200	50	<200	300	.06	--	--	--	--	--	--
MC08	150	70	N	300	.6	--	<10	120	35	45	--
MC09	150	50	N	300	N	--	<10	<25	16	<25	--
MC09	150	30	N	700	.04	--	--	--	--	--	--
MC10	200	70	<200	500	.04	--	--	--	--	--	--
MC10	200	100	N	300	N	--	200	100	42	<25	--
MC11	150	70	N	200	N	--	60	140	39	230	--
MC11	200	50	200	300	.04	--	--	--	--	--	--
MC12	150	10	N	200	N	--	100	210	28	260	--
MC12	300	70	300	500	.02	--	--	--	--	--	--
MC13	200	30	<200	300	.04	--	--	--	--	--	--
MC13	100	30	N	150	N	--	<10	72	<10	<25	--
MC14	100	15	N	300	.04	--	<10	30	37	<25	N
MC15	100	20	N	300	.04	--	<10	30	36	<25	N
MC16	100	20	N	150	<.02	--	20	100	63	<25	N
MC17	100	15	N	200	.02	--	40	110	60	<25	N
MC20	200	70	<200	200	.02	.07	<10	45	100	<25	--
MC21	200	100	<200	300	<.02	.05	10	40	60	<25	--
MC22	150	15	<200	100	<.02	.04	10	<25	40	<25	--
MC23	200	70	<200	300	.02	.16	<10	80	45	<25	--
MC24	10	<5	<200	<10	<.02	.2	<10	<25	15	<25	--
MC25	300	70	<200	300	<.02	.06	<10	70	40	<25	--
MC26	500	100	<200	500	<.02	.03	<10	70	20	<25	--
MC27	15	<5	<200	<10	<.02	.05	<10	<25	10	<25	--
MC28	500	70	<200	500	<.02	.09	<10	110	80	<25	--
MC29	300	50	<200	300	<.02	.07	<10	110	35	<25	--
MC30	500	100	<200	500	<.02	.1	<10	95	65	<25	--
MC31	150	10	<200	100	<.02	.07	<10	35	50	<25	--
MC32	500	150	<200	700	<.02	.07	10	90	50	<25	--
MC33	300	50	<200	200	<.02	.08	<10	50	50	<25	--
MC34	300	150	<200	300	<.02	.2	<10	80	60	<25	--
MC35	200	50	<200	200	<.02	.08	<10	75	40	<25	--
MC36	200	70	<200	200	<.02	.13	<10	80	40	<25	--
MC37	200	20	<200	150	<.02	.18	<10	45	95	<25	--
MC38	300	100	<200	300	<.02	.16	10	85	40	<25	--
MC39	200	70	<200	200	<.02	.3	<10	70	50	<25	--
MC40	300	70	<200	300	<.02	.18	<10	50	20	<25	--
MC41	200	70	<200	150	.06	.24	<10	60	135	<25	--
MC42	200	50	<200	200	<.02	.24	<10	50	40	<25	--
MC43	200	100	<200	200	<.02	.26	<10	75	35	<25	--
MC44	200	70	<200	200	<.02	.17	<10	80	70	<25	--
MC45	50	30	N	70	2.9	.48	>10	35	<10	<25	--
MC46	200	70	<200	300	<.02	.25	<10	70	75	<25	--
MC47	150	70	<200	300	<.02	.1	<10	60	60	<25	--
MC48	150	50	<200	200	<.02	.21	10	30	60	<25	--
MC49	200	100	<200	300	<.02	.11	<10	70	25	<25	--
MC50	70	70	<200	100	<.02	.14	<10	<25	10	<25	--
MC51	200	70	<200	150	<.02	.22	<10	130	45	<25	--
MC52	100	15	<200	150	<.02	.11	10	<25	25	<25	--
MC53	200	70	<200	200	<.02	.2	<10	75	35	<25	--
MC54	150	50	<200	200	.38	.23	<10	35	25	<25	--
MC55	70	30	500	150	.14	.34	10	50	<10	<25	--
MC56	150	50	<200	200	<.02	.25	<10	120	60	<25	--
MC57	200	70	<200	200	<.02	.13	20	80	30	<25	--
MT1	150	50	N	300	N	--	10	75	40	<25	--

Table 2. - Analyses of rock and saprolite samples.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	B-ppm s	Ba-ppm s	Be-ppm s
MT1	34 29 15	83 59 9	5	1	1.5	1	500	N	30	500	2
MT2	34 29 15	83 59 9	3	.5	1.5	.5	500	N	--	500	1
MT2	34 29 15	83 59 9	5	1	1.5	1	500	N	15	500	2
MT3	34 29 15	83 59 9	3	.5	.07	.7	200	N	--	700	1
MT3	34 29 15	83 59 9	10	1.5	<.05	1	500	N	20	1,000	2
MT4	34 29 15	83 59 9	3	.5	.07	.7	300	N	--	300	1
MT4	34 29 15	83 59 9	7	1.5	<.05	1	500	N	30	300	1.5
MT5	34 29 15	83 59 9	1.5	.2	.007	.2	300	N	--	150	N
MT5	34 29 15	83 59 9	2	.7	<.05	.7	500	N	N	300	1
MT6	34 29 15	83 59 9	15	1.5	.07	1	500	N	100	500	1
MT6	34 29 15	83 59 9	3	.7	.15	.7	300	N	--	500	1
SA1	34 58 30	83 10 41	5	1	.05	.7	700	N	<10	300	1
SA2	34 57 22	83 10 50	3	1.5	.05	1	700	N	<10	500	1
SA3	34 57 2	83 11 0	5	1.5	.15	1	700	N	10	500	1
SA4	34 56 10	83 11 58	3	.7	<.02	.7	300	N	<10	300	1.5
SU1	34 6 30	84 1 45	10	.5	<.05	.7	1,500	N	300	2,000	3
SU2	34 6 45	84 2 30	1	.15	.03	.1	50	<.5	N	500	<1
SU3	34 7 30	84 1 50	2	.3	.5	.15	1,000	N	N	200	1
R1	34 53 0	84 7 0	.3	<.02	<.02	<.002	50	N	N	<20	N
TF1	34 42 42	83 24 24	2	.2	<.05	.5	150	N	10	700	<1
TF2	34 44 24	83 23 48	.7	.05	<.05	.2	20	N	N	150	<1
TF2R	34 44 24	83 23 48	1.5	.07	<.05	.5	150	N	10	300	N
TF3	34 44 24	83 23 48	7	1.5	<.05	>1	500	N	300	3,000	3
TF4	34 41 43	83 25 22	7	.7	<.05	1	1,000	N	15	700	1.5
TF5	34 37 38	83 26 30	7	1.5	<.05	1	700	N	300	1,500	2
TF6	34 37 38	83 26 30	15	1	<.05	1	3,000	N	70	1,500	2
TI3	34 52 18	83 27 28	1.5	.3	<.05	.1	300	N	N	70	1
TI4	34 52 18	83 27 28	7	.3	<.05	.7	500	N	<10	200	1.5
TI5	34 49 52	83 25 31	3	.5	<.05	1	300	N	20	1,000	<1
TI6	34 49 3	83 25 25	3	.7	<.05	.07	500	N	N	1,500	<1
TI7	34 46 55	83 24 0	1.5	.3	.7	.5	700	N	15	1,000	N
TO1	34 33 45	83 22 16	2	.3	.7	.15	1,500	N	N	3,000	1
TO2	34 33 42	83 22 18	15	>10	20	1	3,000	N	15	30	N
TO3	34 33 50	83 22 15	1.5	.2	1	.15	1,000	N	<10	1,500	1
TO4	34 36 17	83 21 10	2	.3	2	.3	1,500	N	N	1,500	1.5
TO5	34 36 18	83 22 11	10	1.5	3	>1	2,000	N	<10	700	2
TO6	34 36 0	83 21 1	.7	.07	.7	.3	1,000	N	N	2,000	1.5
TM2	34 46 18	83 38 15	3	1.5	.07	.3	700	N	--	300	3
TM2	34 46 18	83 38 15	7	1	<.05	.7	700	N	N	300	3
TM3	34 46 18	83 38 15	7	.3	.05	.3	150	N	--	700	1
TM3	34 46 18	83 38 15	10	.3	N	.5	150	N	<10	1,000	1
TM4	34 45 18	83 39 15	10	.5	N	.7	2,000	N	10	1,000	2
TM4	34 45 18	83 39 15	3	.3	.05	.3	1,500	N	--	700	N
TM5	34 45 11	83 39 26	3	.7	.02	.3	500	N	--	700	2
TM5	34 45 11	83 39 26	5	1	N	.5	700	N	<10	500	5
TM6	34 45 11	83 39 26	5	2	<.05	.5	1,000	N	<10	1,000	2
TM6	34 45 11	83 39 26	3	1	.07	.3	500	N	--	700	2
TM7	34 45 2	83 39 55	3	1	1	.5	700	N	<10	1,000	2
TM7	34 45 2	83 39 55	2	1	.7	.3	500	N	--	1,000	1
TU1	34 38 12	83 19 45	7	.7	2	.2	1,500	N	<10	300	<1
TU2	34 37 53	83 19 34	7	.3	<.05	.7	150	N	700	700	<1
TU3	34 37 52	83 19 30	1.5	.3	.7	1	2,000	N	N	3,000	<1
TU4	34 38 30	83 17 0	10	7	3	.5	2,000	N	--	300	N
TU5	34 38 20	83 17 0	2	.5	5	.2	700	N	--	700	N

Table 2. - Analyses of rock and saprolite samples.--Continued

Sample	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sc-ppm s	Sr-ppm s
MT1	30	100	150	50	N	20	50	50	20	200
MT2	15	70	70	30	N	15	30	50	--	150
MT2	30	100	150	30	N	15	30	100	20	300
MT3	20	70	70	70	N	15	30	30	--	30
MT3	50	100	70	50	N	20	50	50	50	50
MT4	20	70	70	N	N	15	30	20	--	7
MT4	30	100	70	30	N	15	50	30	20	N
MT5	15	15	30	N	N	<10	20	10	--	N
MT5	20	50	20	20	N	15	30	20	10	N
MT6	50	100	100	70	N	20	50	50	30	<50
MT6	20	70	100	50	N	15	30	20	--	30
SA1	10	50	20	30	<5	10	50	15	15	N
SA2	15	50	10	30	N	<10	50	15	10	N
SA3	15	70	7	50	N	10	50	15	15	50
SA4	15	15	10	30	<5	<10	30	15	10	N
SU1	30	150	30	50	N	15	20	50	15	150
SU2	5	<5	<2	30	N	<10	5	50	7	100
SU3	N	<5	<2	N	N	<10	<5	10	20	50
R1	5	<5	30	<20	N	<10	N	N	N	N
TF1	5	50	20	30	N	15	2	100	7	100
TF2	N	N	10	20	N	10	7	15	5	N
TF2R	N	<5	30	20	N	<10	<5	20	<5	<100
TF3	N	500	<5	300	N	10	5	150	70	<100
TF4	15	100	50	70	N	15	15	150	20	<100
TF5	<5	150	30	70	N	30	5	30	30	<100
TF6	150	150	100	100	N	20	50	150	20	<100
TI3	<5	15	20	50	N	<10	5	10	<5	<100
TI4	10	70	70	150	N	15	7	70	15	<100
TI5	N	20	30	150	N	15	10	15	5	<100
TI6	N	20	20	70	N	20	5	70	5	<100
TI7	<5	7	15	20	N	10	5	10	<5	<100
TO1	N	<5	15	30	N	10	5	30	5	<100
TO2	70	700	100	N	N	<10	150	<10	70	<100
TO3	N	50	10	20	N	10	5	15	10	<100
TO4	N	N	<5	30	N	10	<5	15	5	150
TO5	30	150	70	150	N	15	50	20	30	100
TO6	N	N	5	30	N	10	5	15	<5	<100
TM2	20	50	100	150	N	10	30	50	--	15
TM2	20	70	100	100	N	10	50	50	15	N
TM3	N	30	150	100	150	10	3	15	--	70
TM3	N	30	200	50	300	15	N	20	5	<50
TM4	150	150	20	50	N	20	30	100	30	50
TM4	30	70	10	30	N	10	15	30	--	15
TM5	10	30	30	50	N	10	20	15	--	70
TM5	15	50	30	50	N	15	20	50	15	70
TM6	30	70	30	150	N	15	50	70	15	100
TM6	15	70	15	150	N	10	30	30	--	100
TM7	20	70	150	20	N	15	20	50	15	700
TM7	10	30	70	N	N	10	15	20	--	200
TU1	<5	15	15	20	N	<10	5	10	20	<100
TU2	N	70	50	70	N	15	7	10	20	<100
TU3	N	N	20	30	N	<10	5	10	5	<100
TU4	10	100	100	N	N	N	30	20	--	100
TU5	N	1	N	N	N	N	N	10	--	100

Table 2. - Analyses of rock and saprolite samples.--Continued

Sample	V-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Au-ppm aa	Hg-ppm inst	As-ppm aa	Zn-ppm aa	Cu-ppm aa	Pb-ppm aa	Mo-ppm aa
MT1	200	50	N	300	N	--	--	--	--	--	--
MT2	150	30	N	150	.06	--	20	75	42	42	--
MT2	200	50	N	500	N	--	--	--	--	--	--
MT3	150	70	N	300	N	--	60	130	24	<25	--
MT3	200	70	N	500	N	--	--	--	--	--	--
MT4	150	30	N	200	N	--	20	150	29	<25	--
MT4	150	50	N	200	N	--	--	--	--	--	--
MT5	30	20	N	150	N	--	10	60	10	<25	--
MT5	100	30	N	200	N	--	--	--	--	--	--
MT6	150	30	<200	300	.06	--	--	--	--	--	--
MT6	150	30	N	200	N	--	10	122	31	<25	--
SA1	70	20	N	200	.04		--	72	16	25	N
SA2	70	20	<200	150	.04		--	80	26	<25	N
SA3	100	15	<200	150	.06		--	100	13	25	N
SA4	70	10	<200	150	.04		--	72	21	30	N
SU1	200	30	<200	300	N	--	--	43	18	8	2
SU2	15	15	N	30	N		--	9	<5	10	3
SU3	<10	15	N	200	N		--	32	<5	<5	4
R1	<10	N	N	N	N		--	<25	52	<25	N
TF1	30	15	N	500	.2	--	10	<25	<10	25	--
TF2	20	<10	N	150	.08	--	--	20	95	100	N
TF2R	30	10	N	300	N	--	--	<5	<5	10	<2
TF3	500	150	N	300	N	--	--	5	<5	32	2
TF4	150	100	N	500	N	--	--	28	16	48	2
TF5	200	70	N	700	N	--	--	8	20	18	4
TF6	200	100	<200	700	.04	--	--	160	42	48	<2
TI3	30	<10	N	150	N	--	--	<5	5	6	<2
TI4	150	30	N	300	N	--	--	22	26	20	4
TI5	50	30	N	>1,000	N	--	--	17	<5	7	2
TI6	100	20	N	300	N	--	--	21	<5	24	<2
TI7	30	10	N	300	N	--	--	8	<5	<5	2
TO1	15	30	N	70	N	--	--	7	<5	<5	<2
TO2	700	30	N	30	N	--	--	5	37	<5	2
TO3	15	50	N	70	N	--	--	11	<5	5	2
TO4	30	30	N	70	N	--	--	14	<5	5	<2
TO5	300	100	N	500	N	--	--	80	17	6	<2
TO6	10	30	N	70	N	--	--	9	<5	8	2
TM2	70	150	N	200	N	--	<10	230	28	<25	--
TM2	70	150	<200	700	N	--	--	--	--	--	--
TM3	70	70	N	300	N	--	<10	27	40	<25	--
TM3	50	30	N	700	N	--	--	--	--	--	--
TM4	200	100	N	700	N	--	--	--	--	--	--
TM4	70	50	N	300	N	--	<10	<25	<10	50	--
TM5	70	50	N	300	N	--	<10	69	<10	<25	--
TM5	70	50	N	700	N	--	--	--	--	--	--
TM6	70	100	N	700	.02	--	--	--	--	--	--
TM6	70	150	N	300	N	--	<10	150	<10	<25	--
TM7	100	20	N	700	.02	--	--	--	--	--	--
TM7	70	30	N	300	N	--	<10	85	27	<25	--
TU1	30	50	N	100	N	--	--	56	<5	<5	<2
TU2	150	70	N	300	N	--	--	10	33	6	<2
TU3	15	30	N	70	N	--	--	5	<5	<5	2
TU4	100	50	500	100	.04	.8	<10	220	65	<25	--
TU5	20	30	N	100	.09	.38	<10	45	<10	<25	--

Table 3. XRF Trace element analyses of mica schist (all data in parts per million).

Lab #	Field #	Sn (2)	Ba (15)	La (10)	Ce (20)	Rb (2)	Sr (5)	Y (5)	Zr (10)	Nb (5)	Mo (10)	Ni (5)	Cu (5)	Zn (5)	Cr (20)
AAM-55	DAB1	2	52	L10	L20	5	L5	18	175	7	L10	132	102	62	45
AAM-56	DAB2	3	62	L10	98	6	L5	19	363	15	L10	48	30	67	23
AAM-57	DAB3	4	46	13	51	4	5	29	289	12	L10	105	50	72	108
AAM-58	DAB4	5	554	L10	131	34	6	21	402	17	L10	16	37	39	L20
AAM-60	DAB6	2	419	54	94	81	91	45	248	11	L10	7	25	58	L20
AAM-63	DAB10	3	520	49	77	84	11	50	268	12	L10	8	16	52	20
AAM-64	DAB11	2	524	41	74	71	7	47	356	13	L10	41	36	130	L20
AAM-65	DAB12	3	423	75	81	73	66	73	228	7	L10	9	7	65	32
AAM-66	DAB13	3	462	92	82	101	84	76	270	9	L10	7	18	51	25
AAM-67	DAB14	3	470	51	83	93	74	43	269	10	L10	6	17	53	L20
AAM-71	DAB18	2	290	33	73	47	81	30	214	8	L10	L5	6	52	L20
AAM-72	DAB19	2	462	31	91	67	5	40	350	14	L10	25	16	66	L20
AAM-74	DAB21	3	462	35	77	91	39	40	231	13	L10	5	L5	61	L20
AAM-75	DAB22	5	531	L10	81	45	6	19	329	14	L10	30	59	52	L20
AAM-76	DAB23	4	376	10	100	77	20	16	214	13	L10	8	22	48	20
AAM-85	DA10	4	535	L10	74	47	L5	11	337	18	L10	8	10	30	L20
AAM-88	DA13	3	398	L10	179	41	7	9	247	12	L10	12	27	33	27
AAM-108	DA46	5	371	35	75	53	6	26	289	14	L10	10	27	53	27
AAM-110	DA48	4	419	28	91	58	L5	25	334	13	L10	13	26	67	L20
AAM-112	DA50	2	345	L10	74	41	5	14	319	14	L10	28	32	52	L20
AAM-114	DA52	L2	367	25	100	43	6	21	335	16	L10	17	33	56	31
AAM-117	DA55	3	144	22	112	30	5	40	321	13	L10	28	50	64	25
ABO-003	H25	3	651	230	188	117	105	115	295	22	L10	45	42	179	100
ABO-005	H27	L2	149	L10	38	9	L5	6	83	L5	L10	284	118	27	552
ABO-006	H28	2	274	L10	110	17	7	21	506	18	L10	74	63	52	55
ABO-007	H29	2	351	274	183	80	44	110	611	19	L10	57	33	158	109
ABO-020	H41	3	959	160	94	99	67	39	526	12	L10	32	32	104	99
ABO-039	H42	8	352	79	80	102	43	59	510	15	L10	66	85	114	64
ABO-040	D31	L2	489	L10	L20	39	6	10	216	L5	L10	6	L5	38	L20
ABO-041	D32	3	443	109	53	73	7	43	402	14	L10	64	46	151	95
ABO-042	D34	4	759	125	229	126	58	78	202	12	L10	47	49	118	112
ABO-046	D38	5	220	25	156	50	13	52	224	20	L10	74	211	166	92
ABO-047	D39	4	159	41	143	27	7	48	347	21	L10	121	177	147	82
ABO-049	D44	3	624	L10	60	44	9	14	322	16	L10	43	65	39	L20
ABO-050	D46	L2	115	10	30	8	L5	15	120	L5	L10	375	126	96	514
ABO-052	D56	5	581	68	311	45	44	22	335	29	L10	48	65	215	87
ABO-054	D63	2	193	29	101	81	8	32	653	22	L10	55	114	97	38
ABO-055	D67	2	86	17	22	5	L5	29	120	L5	L10	234	121	98	242
ABO-058	D71	6	394	48	112	32	31	18	552	18	L10	33	19	45	33
ABO-059	D74	5	372	10	71	20	13	15	328	20	L10	69	102	38	27
ABO-061	D77	5	959	17	50	76	26	11	180	22	L10	21	41	31	44
ABO-063	D80	8	705	70	97	77	20	55	235	17	L10	54	175	200	92
ABO-065	D81	5	562	26	70	100	49	25	238	18	L10	31	34	97	45
ABO-066	D82	5	608	95	118	111	59	43	234	20	L10	51	82	113	89
ABO-075	D114	2	500	L10	69	16	41	7	17	8	L10	37	58	24	24

Table 3. cont.

Lab #	Field #	Sn (2)	Ba (15)	La (10)	Ce (20)	Rb (2)	Sr (5)	Y (5)	Zr (10)	Nb (5)	Mo (10)	Ni (5)	Cu (5)	Zn (5)	Cr (20)
ABO-078	D112	4	423	27	152	15	7	28	741	38	L10	50	57	59	32
ABO-079	D123	2	198	39	75	26	16	15	65	8	L10	10	347	293	23
ABO-081	D125	5	843	76	155	97	49	48	350	22	L10	58	714	531	55
ABO-087	D140	2	394	14	53	24	12	7	131	L5	L10	8	26	54	L20
ABO-093	D160	2	214	60	63	57	9	57	311	7	L10	26	22	84	48
ABO-094	D166	9	188	L10	28	11	6	36	136	L5	L10	-	315	125	119
ABO-097	D195	2	454	16	93	18	18	15	68	8	L10	49	57	35	L20
ABO-100	D198	2	383	16	65	9	11	21	65	7	L10	42	52	34	L20
ABO-101	D199	L2	323	34	86	11	13	15	61	5	L10	34	49	35	24
ABO-102	D200	2	439	14	133	26	25	15	58	6	L10	46	64	27	L20
ABO-103	D201	2	458	33	72	27	24	18	54	5	L10	36	50	33	L20
AAM-577	DL1	4	905	34	55	84	30	58	112	7	L10	23	47	79	L20
AAM-580	DL4	4	408	26	51	55	16	16	59	6	L10	28	71	42	L20
AAM-581	DL5	2	878	35	76	71	18	24	84	7	L10	64	98	58	L20
AAM-607	DI6	4	252	46	52	6	L5	74	148	L5	L10	222	110	175	185
AAM-609	DI8	4	158	52	57	38	5	174	288	L5	L10	116	142	113	75
AAM-611	DFT	3	398	12	43	22	13	26	233	14	L10	56	43	21	L20
AAM-613	DFT	L2	643	14	44	59	35	22	191	7	L10	51	30	42	87
AAM-619	CM3	2	581	47	95	80	45	45	311	18	L10	36	34	104	97
AAM-622	CM13	5	1175	65	135	99	29	51	542	23	L10	10	7	42	L20
AAM-624	CM17	5	516	31	105	70	6	62	513	23	L10	11	38	66	L20
AAM-627	CM44	2	604	13	51	47	142	10	168	5	L10	13	L5	57	L20
AAM-630	CM48	3	96	L10	32	13	47	34	102	L5	L10	155	179	87	226
AAM-632	CM54	4	562	33	97	87	9	45	281	13	L10	15	34	94	L20
AAM-633	CM55	4	585	37	83	104	31	36	346	15	L10	14	23	97	L20
AAM-637	MC5	3	337	L10	239	54	17	30	276	14	L10	55	61	83	75
AAM-640	MC8	5	785	23	75	111	34	50	308	17	L10	49	59	116	38
AAM-643	MC11	2	352	64	105	51	6	62	259	12	L10	68	94	177	76
AAM-645	MC13	L2	262	29	62	41	9	28	164	6	L10	33	L10	72	39
AAM-646	DCM5	6	585	22	92	40	19	20	97	6	L10	28	17	40	L20
AAM-647	DCM6	3	666	33	115	39	18	18	90	5	L10	29	72	39	L20
AAM-648	DCM7	2	901	17	73	105	28	17	88	7	L10	38	33	43	L20
AAM-650	DCM9	L2	258	19	75	14	14	16	80	8	L10	50	39	31	27
AAM-652	DCM11	L2	375	L10	90	4	6	21	146	7	L10	166	57	64	80
AAM-654	DH2	2	408	10	84	43	47	10	112	L5	L10	13	49	54	L20
AAM-662	DH12	4	678	42	88	70	39	49	431	23	L10	36	600	64	95
AAM-664	DH14	3	427	67	99	56	186	38	229	10	L10	30	42	53	89
AAM-666	DH17	2	458	10	22	34	150	18	106	15	L10	6	22	62	L20
AAM-507	BL18	2	550	47	79	60	280	40	536	21	L10	21	24	79	33
AAM-508	BL19	L2	293	40	74	49	30	23	255	5	L10	14	26	65	21
AAM-510	BL21	2	71	L10	41	6	6	5	48	L5	L10	62	48	33	140
AAM-511	BL22	L2	71	11	134	6	5	8	255	13	L10	26	61	40	L20
AAM-515	BL23	3	275	27	57	21	9	17	207	12	L10	94	800	41	175
AAM-516	BL35	4	493	257	440	143	77	93	237	20	L10	22	59	56	72
AAM-518	CL1	3	387	57	84	56	L5	41	78	5	L10	66	61	114	L20

Table 3. cont.

Lab #	Field #	Sn (2)	Ba (15)	La (10)	Ce (20)	Rb (2)	Sr (5)	Y (5)	Zr (10)	Nb (5)	Mo (10)	Ni (5)	Cu (5)	Zn (5)	Cr (20)
AAM-519	CCL2	3	324	116	139	84	37	48	262	19	L10	102	36	175	98
AAM-520	CL5	L2	254	103	248	73	19	82	281	14	L10	54	56	124	85
AAM-524	CL12	L2	306	58	99	68	6	57	425	11	L10	44	47	118	73
AAM-529	CL20	L2	64	22	65	9	6	13	221	13	L10	34	60	35	32
AAM-532	CL24	L2	57	56	22	17	5	91	71	L5	L10	206	133	67	167
AAM-538	CL33	2	252	20	94	43	15	20	405	18	L10	45	54	65	61
AAM-539	CL34	2	493	62	133	76	20	62	604	17	L10	46	243	198	60
AAM-540	CL35	4	816	130	190	91	32	67	170	14	L10	54	1100	182	76
AAM-541	CL36	2	550	189	201	104	56	60	175	15	L10	50	45	131	97
AAM-544	CL40	4	635	140	211	108	36	121	333	15	L10	51	29	209	103
AAM-547	CL46	3	574	145	193	119	55	58	347	34	L10	61	37	154	78
AAM-549	CL51	L2	168	L10	46	26	17	12	438	19	L10	34	16	21	69
AAM-550	CL55	L2	132	18	40	39	12	21	60	L5	L10	59	137	106	72
AAM-551	CL56	3	179	18	39	58	10	39	121	L5	L10	10	10	143	L20
AAM-554	C8	5	504	24	182	50	11	27	431	23	L10	62	89	39	99
AAM-557	C12	5	163	19	116	26	7	26	588	18	L10	38	37	66	38
AAM-558	C13	5	1317	63	159	86	50	71	849	27	L10	35	12	70	62
AAM-560	C16	6	697	63	154	170	16	59	333	12	L10	53	49	124	57
AAM-563	C19	4	843	97	204	90	24	76	168	16	31	66	579	226	89
AAM-568	C31	3	982	50	185	117	12	37	329	27	L10	73	49	199	62
AAM-570	C34	5	570	167	260	69	37	102	454	39	L10	82	278	192	102
AAM-572	C36	4	419	191	229	134	45	147	220	13	L10	33	25	97	91
AAM-573	C37	3	801	74	122	66	21	67	1290	37	L10	37	188	126	81
AAM-574	C38	3	292	52	91	24	28	28	601	17	L10	39	15	73	31
AAM-575	C42	4	446	187	348	82	36	89	506	31	L10	101	63	209	88
AAM-680	H1	2	1074	101	244	267	28	71	627	18	L10	63	50	152	79
AAM-681	H2	2	351	19	97	25	16	72	856	20	L10	30	105	72	44
AAM-682	H3	3	269	44	51	37	24	30	585	16	L10	34	69	75	39
AAM-683	H4	5	635	80	130	117	62	44	803	15	L10	44	112	114	50
AAM-684	H5	3	1209	127	230	221	48	72	291	18	L10	73	65	155	101
AAM-685	H6	5	724	88	193	170	58	92	167	18	L10	67	53	100	100
AAM-687	H8	5	839	158	224	167	171	104	162	12	L10	57	50	124	92
AAM-688	H9	L2	389	78	125	73	23	65	533	22	L10	63	142	154	88
AAM-689	H10	4	363	63	128	70	23	72	461	20	L10	70	138	138	92
AAM-690	H11	2	333	92	121	68	27	71	611	24	L10	56	192	116	72
AAM-692	H13	L2	404	91	121	77	20	75	777	21	L10	67	69	155	76
AAM-694	H15	3	306	48	111	53	9	58	699	23	L10	61	98	135	73
AAM-696	H17	3	928	57	184	132	65	71	457	32	L10	69	95	169	72
ABU-080	DA-113	4	412	15	202	48	9	11	325	19	L10	11	11	27	L20
ABU-082	DA-115	3	608	36	114	160	11	49	213	15	L10	32	49	88	37
ABU-084	DA-117	2	670	32	84	94	17	31	83	6	L10	53	69	66	L20
AEW-897	DA-120	6	1125	30	82	148	29	56	257	21	L10	53	62	143	65
AEW-908	DA-122	6	943	87	175	172	79	64	159	18	L10	39	98	144	70
AEW-909	DA-123	8	262	90	276	97	13	81	595	31	L10	17	21	99	27
AEW-912	DA-126	3	1051	83	116	201	30	50	243	21	L10	64	L5	160	52

Table 3, cont.

Lab #	Field #	Sn (2)	Ba (15)	La (10)	Ce (20)	Rb (2)	Sr (5)	Y (5)	Zr (10)	Nb (5)	Mo (10)	Ni (5)	Cu (5)	Zn (5)	Cr (20)
AEW-927	DA-141	4	608	61	96	108	20	75	461	21	L10	L5	30	206	L20
AEW-929	DA-143	5	562	79	100	155	28	87	474	21	L10	L5	13	229	L20
AEW-949	DA-163	3	597	41	112	99	63	28	230	18	L10	38	41	116	86
AEW-950	DA-164	5	1005	45	207	126	95	26	190	27	L10	36	27	68	86
AEW-954	DA-166	2	123	L10	137	15	5	L10	438	13	L10	18	7	22	33
AEW-956	DA-168	3	524	17	89	135	30	22	252	17	L10	59	95	114	108
AEW-958	DA-170	6	655	109	76	145	12	64	322	18	L10	9	L5	55	23
AEU-140	DA-231	3	360	19	85	33	19	22	318	14	L10	31	51	59	164
AEU-141	DA-233	2	383	9	68	51	23	12	324	12	L10	24	15	36	54