

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

**Analytical results and sample locality map
of stream-sediment, heavy-mineral-concentrate, rock, and water samples
from the roadless areas and the Santa Lucia Wilderness
in the Los Padres National Forest, Kern, Los Angeles,
San Luis Obispo, Santa Barbara, and Ventura Counties,
southwestern California**

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This report is preliminary and has not been reviewed for conformity with U.S. Geological Survey editorial standards and stratigraphic nomenclature. Any use of trade names is for descriptive purposes only and does not imply endorsement by the USGS.

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STUDIES RELATED TO WILDERNESS

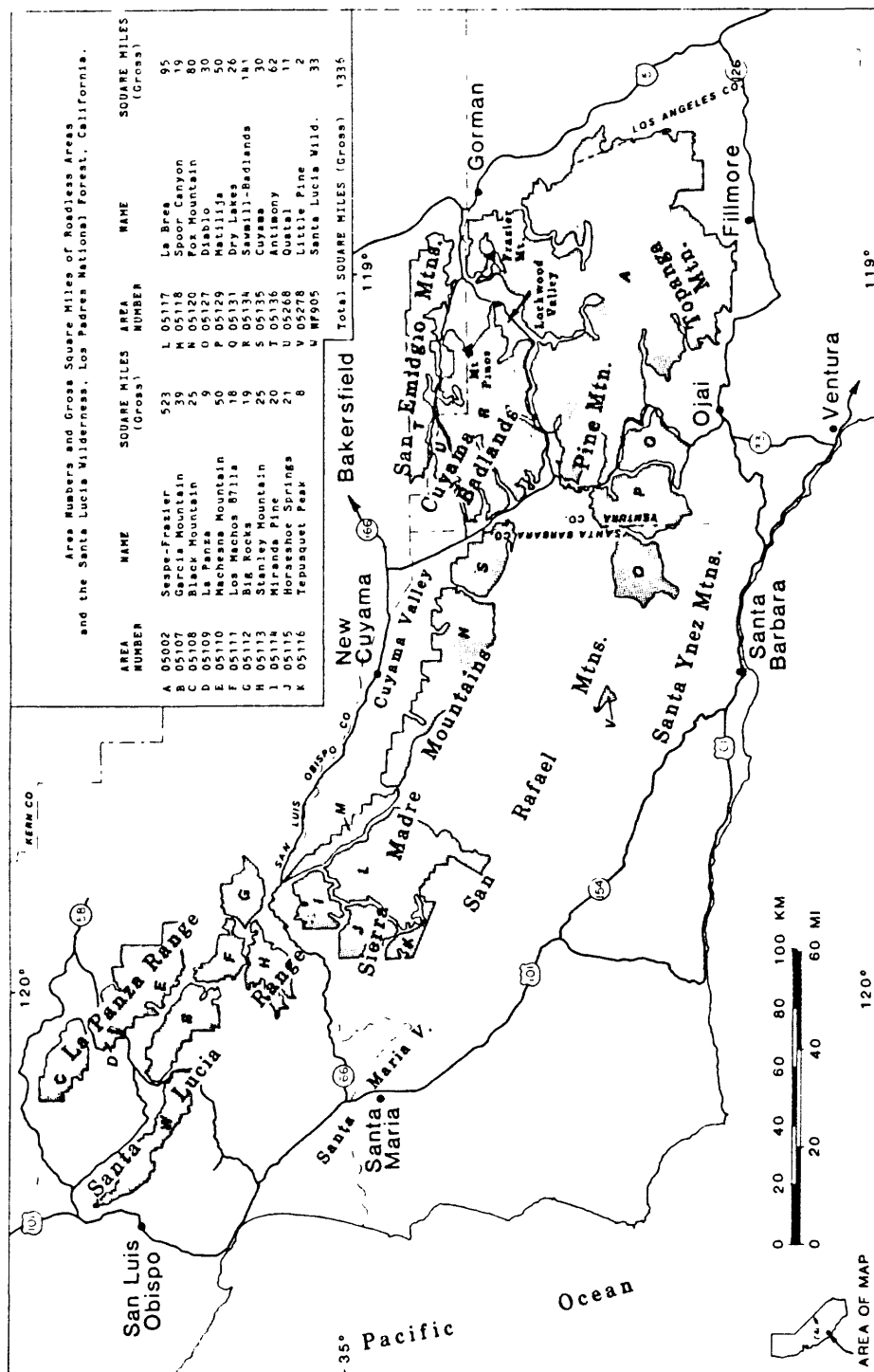
The Wilderness Act (Public Law 88-577, September 3, 1964) and related acts require the U.S. Geological Survey and the U.S. Bureau of Mines to survey certain areas on Federal lands to determine their mineral resource potential. Results must be made available to the public and be submitted to the President and the Congress. This report presents the results of a geochemical survey of the Santa Lucia Wilderness and the Sespe-Frazier, Garcia Mountain, Black Mountain, La Panza, Machesna Mountain, Los Machos Hills, Big Rocks, Stanley Mountain, Miranda Pine, Horseshoe Springs, Tepusquet Peak, La Brea, Spoor Canyon, Fox Mountain, Diablo, Matilija, Dry Lakes, Sawmill-Badlands, Cuyama, Antimony, Quatal, and Little Pine Roadless Areas, Los Padres National Forest, Kern, Los Angeles, San Luis Obispo, Santa Barbara, and Ventura Counties, California. The Santa Lucia Wilderness was established by Public Law 95-237 in 1978. The twenty-two Roadless Areas were classified as further planning areas during the Second Roadless Area Review and Evaluation (RARE II) by the U.S. Forest Service, January 1979. For the purpose of this report the areas will be referred to collectively as the study area.

INTRODUCTION

In May and June, 1981, and June, 1982, we conducted a reconnaissance geochemical survey of the Santa Lucia Wilderness and Sespe-Frazier, Garcia Mountain, Black Mountain, La Panza, Machesna Mountain, Los Machos Hills, Big Rocks, Stanley Mountain, Miranda Pine, Horseshoe Springs, Tepusquet Peak, La Brea, Spoor Canyon, Fox Mountain, Diablo, Matilija, Dry Lakes, Sawmill-Badlands, Cuyama, Antimony, Quatal, and Little Pine Roadless Areas, Kern, Los Angeles, San Luis Obispo, Santa Barbara, and Ventura Counties, California (fig. 1). For purposes of this report the individual areas will be referred to collectively as the study area. The roadless areas individually range from about 1 to 523 square miles (plate 1) and the study area totals some 1336 square miles (3,460 km²).

The study area is in the Los Padres National Forest in the southern part of the Coast Ranges and western part of the Transverse Ranges of California. It forms an elongate curve between U.S. Highway 101 on the west and Interstate 5 on the east. California State Highways 33, 58, and 166 provide paved access to numerous paved and unpaved roads that generally allow access to within a quarter mile of the borders of the various roadless areas. Trails provide access into many parts of most roadless areas.

Thick sequences of Mesozoic and Cenozoic sedimentary rocks, predominantly sandstone, siltstone, shale, and conglomerate, but also some siliceous shale and minor limestone, underlie most of the study area. These sedimentary rocks overlie crystalline basement rocks composed mostly of pre-Tertiary igneous intrusive and metamorphic rocks.



Large areas of pre-Tertiary plutonic and metamorphic rocks occur in both the extreme northeastern and northwestern parts of the study area. Included are undifferentiated metasedimentary rocks distributed as screens and pendants within the plutonic rocks. These rocks include layered to spotted mica schist, metasandstone, metaquartzite, amphibolite, marble, and minor calc-silicate rock, and greenschist. Also included are undifferentiated Precambrian granitic gneisses, Mesozoic granitic and ophiolitic rocks, and minor Tertiary igneous rocks.

Most of the rest of the study area is underlain by highly folded, in part chaotic, pre-Miocene sedimentary rocks. They comprise a thick, heterogenous, incomplete marine section of interbedded sandstone, siltstone, shale, conglomerate, and minor marble, ranging in age from Late Jurassic to Oligocene, with local nonmarine interbeds.

Neogene sedimentary rocks include organic-rich siltstone and shale, interbedded sandstone, and lesser conglomerate. These rocks formed mostly from sediments deposited in relatively restricted marine basins where the organic remains of flora and fauna living in the water column constituted a relatively important source of sediment. Neogene nonmarine rocks occur mostly in the Cuyama Badlands, Lockwood Valley, and along the eastern boundary of the study area in the Ridge Basin. These reddish rocks include variously interbedded arkosic sandstone, claystone, conglomerate, and bentonitic clay representing alluvial fan, stream, and lacustrine deposits. The individual formations have been described in detail by Frizzell and Vedder, 1983.

The study area is mostly characterized by steep walled canyons and sharp ridges. Mountain top altitudes are variable: 2,856 feet at Lopez Mountain in the Santa Lucia Wilderness; 8,831 feet at Mt. Pinos in the Sawmill-Badlands Roadless Area. Although summit ridges support forests of coniferous trees and riparian woodlands line valley bottoms, impenetrable chaparral covers much of the vegetated portion of the study area. Mixtures of manzanita, buckbush, chamise, and poison oak characterize the chaparral plant community in the study area and make off-trail traverses quite challenging and slow.

METHODS OF STUDY

Sample Collection

The sample media used for this study consisted of stream sediments, heavy-mineral concentrates from stream sediments, rocks, and spring water. We analyzed 452 stream-sediment samples, 444 panned-concentrate samples, 95 rock samples, and 16 water samples, for a sampling density of about 1 sample per 3 mi² for the stream sediment and heavy-mineral concentrate.

Stream-sediment samples

Analyses of the stream-sediment samples represent the chemistry of the rock material eroded from the drainage basin upstream from each sample site. Such information is useful in identifying those basins which contain concentrations of elements that may be related to mineral deposits.

The stream-sediment samples consisted of active alluvium collected from first-order (unbranched) and second-order (below the junction of two first-order) streams as shown on USGS topographic maps (scale = 1:24,000). Each sample was composited from several localities within an area that may extend as much as 50 ft from the site plotted on the map.

Heavy-mineral-concentrate samples

We panned heavy-mineral-concentrate samples from the same active alluvium as the stream-sediment samples. Each bulk sample was passed through a 2.0-mm (10-mesh) screen to remove the coarse material. The sediment passing through the screen was panned until most of the quartz, feldspar, organic material, and clay-sized material was removed. The sample was air dried.

Rock samples

Most rock samples were collected from exposures near mines and prospects to determine the geochemical signature of known mineralization. In addition, some unaltered rocks were collected from granitic terrane in the eastern part of the study area to determine background geochemical values. A description of the rock samples is given in Table 5C.

Water samples

We collected water samples from springs. A 200-mL sample was taken at each site and stored in a new untreated plastic bottle. In addition, a 100-mL sample was filtered through a 0.45-micrometer filter, was acidified with reagent-grade concentrated nitric acid to pH 2, and was stored in an acid-rinsed polyethylene bottle. The pH of the water was determined later using an Orion model 901 pH meter.

Sample Preparation

Only the stream-sediment samples required extensive preparation. Rock samples were simply crushed and then pulverized with ceramic plates to minus 0.15 mm. Water samples required no preparation beyond that done in the process of collecting them.

We sieved the stream-sediment samples at the collection site through a 10-mesh screen and the minus 10-mesh material was retained. The samples were air dried and sieved to 0.18 mm using stainless steel sieves. The portion of the sediment passing through the sieve was saved for analysis.

After panning the sediment, we used bromoform to separate and remove the remaining quartz and feldspar from the heavy-mineral concentrate. The heavy minerals (specific gravity 2.8) were separated into three fractions using a large electromagnet (in this case a modified Frantz Isodynamic Separator). The most magnetic material (largely magnetite) was discarded. The second fraction (largely ferromagnesian silicates and iron oxides) was saved for analysis/archival storage. The third fraction (the least magnetic material including nonmagnetic ore minerals, zircon, sphene, etc.) was divided into two splits using a Jones splitter. One split was hand ground for spectrographic analysis; the other split was saved for mineralogical analysis.

The magnetic separates discussed are the same separates that would be produced by removing the magnetite with a hand magnet and then using a Frantz Isodynamic Separator set at a slope of 15° and a tilt of 10° with a current of 0.1 ampere to remove the ilmenite, and a current of 1.0 ampere to split the remainder of the sample into magnetic and nonmagnetic fractions.

Rock samples were crushed and then pulverized with ceramic plates to minus 0.15 mm.

Sample Analysis

Spectrographic method

We analyzed the stream-sediment, heavy-mineral-concentrate, and rock samples for 31 elements using a semiquantitative, direct-current arc emission spectrographic method (Grimes and Marranzino, 1968). The elements analyzed and their lower limits of determination are listed in Table 1. The analytical data for the stream-sediment, heavy-mineral-concentrate, rock and water samples are given in Tables 3, 4, 5A and B, and 6, respectively. Spectrographic results were obtained by visual comparison of spectra derived from the sample against spectra obtained from standards made from pure oxides and carbonates. Standard concentrations are geometrically spaced over any given order of magnitude of concentration as follows: 100, 50, 20, 10, and so forth. Samples whose concentrations are estimated to fall between those values are assigned values of 70, 30, 15, and so forth. The precision of the analytical method is approximately plus or minus one reporting unit at the 83 percent confidence level and plus or minus two reporting units at the 96 percent confidence level (Motooka and Grimes, 1976). Values determined for the major elements (iron, magnesium, calcium, and titanium) are given in weight percent; all others are given in parts per million (micrograms/gram).

TABLE 1.--Limits of determination for the spectrographic analysis of rocks and stream sediments, based on a 10-mg sample

[The spectrographic limits of determination for heavy-mineral-concentrate samples are two reporting units higher than the limits given for rocks and stream sediments]

Elements	Lower determination limit	Upper determination limit
Percent		
Iron (Fe)	0.05	20
Magnesium (Mg)	.02	10
Calcium (Ca)	.05	20
Titanium (Ti)	.002	1
Parts per million		
Manganese (Mn)	10	5,000
Silver (Ag)	0.5	5,000
Arsenic (As)	200	10,000
Gold (Au)	10	500
Boron (B)	10	2,000
Barium (Ba)	20	5,000
Beryllium (Be)	1	1,000
Bismuth (Bi)	10	1,000
Cadmium (Cd)	20	500
Cobalt (Co)	5	2,000
Chromium (Cr)	10	5,000
Copper (Cu)	5	20,000
Lanthanum (La)	20	1,000
Molybdenum (Mo)	5	2,000
Niobium (Nb)	20	2,000
Nickel (Ni)	5	5,000
Lead (Pb)	10	20,000
Antimony (Sb)	100	10,000
Scandium (Sc)	5	100
Tin (Sn)	10	1,000
Strontium (Sr)	100	5,000
Vanadium (V)	10	10,000
Tungsten (W)	50	10,000
Yttrium (Y)	10	2,000
Zinc (Zn)	200	10,000
Zirconium (Zr)	10	1,000
Thorium (Th)	100	2,000

Chemical methods

Other methods of analysis used on samples from the study area are summarized in table 2.

Table 2.--Chemical methods used

Sample type	Constituent determined	Analytical method	Determination limit ¹ micrograms/ gram or ppm	Reference
Sediments and selected rocks	Th U	Delayed neutron Delayed neutron		Millard, 1976. Millard, 1976.
Rocks	Au	Atomic absorption	0.05	Thompson, and others, 1968.
	Hg	Instrumental	0.02	Modification of McNerney and others, 1972, and Vaughn, and McCarthy, 1964.
	As	Atomic absorption	5	Modification of Viets, 1978.
	Sb	Atomic absorption	2	Modification of Viets, 1978.
	Zn	Atomic absorption	5	Modification of Viets, 1978.
	Bi	Atomic absorption	1	Modification of Viets, 1978.
	Cd	Atomic absorption	0.1	Modification of Viets, 1978.
Water ²	Cu	Atomic absorption	1 ppb	Perkin-Elmer Corp., 1977.
	Zn	Atomic absorption	.5 ppb	Perkin-Elmer Corp., 1977.
	Mo	Atomic absorption	1 ppb	Perkin-Elmer Corp., 1977.
	F ⁻	Ion chromatograph	0.01	Fishman and Pyen, 1979.
	Cl ⁻	Ion Chromatograph	0.05	Fishman and Pyen, 1979.
	NO ₃ ⁻	Ion Chromatograph	0.1	Fishman and Pyen, 1979.
	SO ₄ ⁼	Ion Chromatograph	0.1	Fishman and Pyen, 1979.

¹The determination limit is dependent upon sample weight. Given limits imply use of sample weight required by method. Higher limits of determination result from using less than required sample weight.

²Untreated water samples were analyzed for anions and pH. Filtered and acidified water samples were analyzed for metals.

ROCK ANALYSIS STORAGE SYSTEM

Upon completion of all analytical work, the analytical results were entered into a computer-based file called RASS (Rock Analysis Storage System). This RASS file contains both descriptive geological information and analytical data. Any or all of this information may be retrieved and converted to a standard form (STATPAC) for computerized statistical analysis or publication (VanTrump and Miesch, 1976).

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Table 3.--Analytical data from stream sediments from roadless areas and the Santa Lucia Wilderness in the Los Padres National Forest, southwestern California

[N, not detected; <, detected but below the limit of determination shown; >, determined to be greater than the value shown; H, interfering spectra render analytical lines unusable.]

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
LP024	34 29 37	119 16 49	5.0	.70	.70	.50	500	N	50	1,500	1.0
LP025	34 30 27	119 17 46	3.0	.70	2.00	.30	300	N	30	1,000	1.0
LP026	34 30 55	119 17 0	3.0	.50	.10	.30	300	N	30	700	1.0
LP027	34 31 9	119 16 51	5.0	.70	.70	.30	500	N	50	2,000	1.0
LP028	34 33 33	119 16 8	5.0	.70	.50	.30	300	N	50	500	1.5
LP029	34 35 3	119 15 39	2.0	.30	.50	.30	300	N	30	1,000	1.0
LP030	34 35 7	119 16 2	2.0	.50	1.00	.30	200	N	30	1,000	1.0
LP031	34 35 14	119 16 56	2.0	.30	.20	.20	300	N	30	500	1.0
LP032	34 35 26	119 17 28	2.0	.30	.70	.30	300	N	20	700	<1.0
LP033	34 35 47	119 19 36	1.5	.50	1.00	.20	200	N	20	700	<1.0
LP034	34 35 41	119 19 44	3.0	.50	.20	.30	300	N	30	500	1.0
LP035	34 36 3	119 20 47	1.5	.50	1.00	.30	300	N	30	700	1.0
LP036	34 35 59	119 21 15	3.0	.50	.20	.30	300	N	20	700	1.0
LP037	34 36 51	119 22 5	1.5	.70	.50	.20	500	N	30	700	1.0
LP038	34 40 43	119 21 27	3.0	.70	.50	.30	300	N	30	700	1.0
LP039	34 42 55	119 22 0	1.5	.30	.50	.30	500	N	20	700	1.0
LP040	34 43 37	119 22 28	2.0	.50	.70	.30	300	N	20	700	1.0
LP041	34 45 36	119 22 46	1.5	.30	1.00	.20	300	N	15	700	1.0
LP042	34 46 46	119 20 28	1.5	.50	1.00	.50	300	N	20	1,000	1.0
LP043	34 47 1	119 19 58	2.0	.30	.70	.50	500	N	15	700	1.0
LP044	34 47 15	119 19 55	1.5	.30	1.00	.30	300	N	15	1,000	1.0
LP045	34 47 43	119 17 37	1.0	.30	1.00	.20	200	N	20	700	1.0
LP046	34 47 57	119 17 39	1.5	.20	.50	.30	300	N	15	700	<1.0
LP047	34 45 14	119 25 36	3.0	.50	.20	.50	500	N	50	1,500	1.5
LP048	34 44 31	119 27 3	2.0	.50	.70	.50	300	N	30	700	1.0
LP049	34 44 45	119 27 2	3.0	.50	.10	.30	500	N	30	500	1.5
LP050	34 45 26	119 24 51	1.5	.50	.50	.20	300	N	10	500	1.0
LP051	34 31 36	119 33 52	2.0	.50	1.00	.20	700	N	70	700	1.0
LP052	34 32 51	119 33 30	1.5	.30	.70	.20	300	N	20	700	1.0
LP053	34 32 47	119 33 30	2.0	.30	.70	.20	500	N	30	700	1.0
LP054	34 46 56	119 25 57	1.5	.30	.20	.30	300	N	20	700	1.0
LP055	34 49 8	119 25 31	1.5	.20	.70	.30	300	N	15	700	1.0
LP056	34 49 20	119 24 40	1.5	.50	.70	.50	500	N	15	700	1.0
LP057	34 49 39	119 23 27	1.5	.30	.70	.30	300	N	15	700	1.0
LP058	34 50 19	119 22 22	2.0	.50	1.00	.30	500	N	20	700	1.0
LP059	34 50 25	119 21 8	1.5	.30	.70	.30	300	N	20	700	1.0
LP131	34 36 41	119 3 4	1.0	.30	.10	.50	500	N	20	1,000	1.0
LP132	34 36 29	119 1 16	2.0	.50	1.00	.30	300	N	15	700	1.0
LP133	34 36 3	119 0 41	1.5	.70	5.00	.15	500	N	10	300	1.0
LP134	34 35 40	119 0 34	1.0	.50	5.00	.10	500	N	15	300	1.0
LP135	34 35 56	118 53 32	3.0	1.00	1.00	.50	700	N	20	500	1.5
LP136	34 35 48	119 3 6	1.0	.30	.70	.30	300	N	20	700	1.0
LP137	34 34 58	118 44 55	2.0	.50	2.00	.50	500	N	10	500	1.0
LP138	34 32 41	118 42 58	3.0	.50	.70	.70	1,000	N	15	700	1.5
LP139	34 30 59	118 44 12	5.0	.50	1.00	1.00	1,500	N	15	700	1.5

Table 3.--continued

Sample	Bi-ppm S	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	Sn-ppm S
LP024	N	15	70	30	<20	N	<20	30	20	10	N
LP025	N	10	300	20	N	<5	<20	20	20	7	N
LP026	N	10	50	20	N	N	<20	20	30	7	N
LP027	N	15	70	30	<20	<5	<20	30	500	10	N
LP028	N	10	50	30	N	N	<20	20	30	10	N
LP029	N	7	20	10	50	N	<20	7	10	5	N
LP030	N	7	30	15	50	<5	<20	10	15	5	N
LP031	N	10	20	20	50	N	N	15	10	7	N
LP032	N	5	30	10	N	<5	20	10	10	5	N
LP033	N	5	20	10	N	N	<20	10	20	5	N
LP034	N	15	50	30	N	N	<20	20	20	10	N
LP035	N	7	30	10	N	N	<20	10	15	5	N
LP036	N	15	50	20	N	N	<20	20	20	10	N
LP037	N	10	150	15	N	N	<20	15	15	7	N
LP038	N	15	30	30	50	N	<20	20	30	10	N
LP039	N	10	15	10	N	N	<20	7	10	5	N
LP040	N	10	20	15	70	<5	<20	10	20	7	N
LP041	N	7	10	7	N	5	<20	5	15	<5	N
LP042	N	5	20	7	70	<5	<20	7	10	5	N
LP043	N	5	70	7	70	N	20	10	10	5	N
LP044	N	5	15	7	50	N	N	7	10	5	N
LP045	N	5	10	5	70	N	N	5	10	<5	N
LP046	N	5	15	7	N	N	N	5	10	5	N
LP047	N	10	30	20	70	N	<20	15	20	7	N
LP048	N	10	30	20	70	<5	<20	15	15	7	N
LP049	N	15	50	30	70	N	<20	20	30	7	N
LP050	N	7	15	7	50	N	N	7	10	5	N
LP051	N	15	150	20	50	<5	N	30	15	7	N
LP052	N	7	20	10	N	N	N	15	10	<5	N
LP053	N	10	100	15	N	N	N	15	15	5	N
LP054	N	7	20	15	50	<5	<20	7	20	7	N
LP055	N	7	20	5	70	N	<20	10	10	5	N
LP056	N	7	30	7	70	N	<20	15	20	5	N
LP057	N	7	15	10	50	N	<20	7	10	5	N
LP058	N	10	30	10	70	N	<20	15	15	5	N
LP059	N	7	15	7	N	N	<20	10	10	<5	N
LP131	N	7	15	7	70	<5	20	15	15	7	N
LP132	N	15	50	20	<20	N	<20	30	20	10	N
LP133	N	10	70	15	50	<5	N	20	20	7	N
LP134	N	10	30	20	<20	<5	N	20	15	5	N
LP135	N	10	50	20	50	N	<20	10	20	10	N
LP136	N	5	20	10	N	N	<20	15	10	5	N
LP137	N	10	30	15	50	N	N	15	10	7	N
LP138	N	15	50	20	50	N	20	20	15	10	N
LP139	N	15	30	10	50	5	30	20	15	15	N

Table 3.--continued

Sample	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zr-ppm s	Th-ppm s	Ac-TH	Ac-U
LP024	150	100	N	20	<200	N	8.48	5.450
LP025	200	70	N	15	N	N	8.25	3.650
LP026	100	100	N	15	N	N	8.20	4.570
LP027	150	100	N	20	N	N	8.25	4.850
LP028	150	100	N	15	N	N	13.10	4.840
LP029	150	50	N	20	N	N	10.60	4.470
LP030	200	70	<50	20	N	N	10.00	5.240
LP031	150	70	N	15	N	N	11.60	4.950
LP032	150	70	N	20	N	N	18.70	4.500
LP033	200	50	N	10	N	N	7.38	3.420
LP034	150	100	N	15	N	N	7.72	5.190
LP035	300	50	N	15	N	N	13.10	6.050
LP036	150	100	N	20	N	N	6.95	4.930
LP037	150	70	N	15	N	N	7.54	3.550
LP038	200	100	N	30	N	N	16.50	5.040
LP039	150	50	N	30	N	N	13.70	3.390
LP040	150	70	N	20	N	N	18.60	5.820
LP041	150	50	N	10	N	N	15.30	3.400
LP042	200	70	N	15	N	N	15.70	3.410
LP043	150	70	N	30	N	N	25.30	4.390
LP044	150	50	N	10	N	N	13.90	3.080
LP045	300	30	N	10	N	N	6.72	1.550
LP046	100	50	N	15	N	N	18.50	4.010
LP047	150	70	N	20	N	N	23.00	5.260
LP048	150	70	N	20	N	N	23.40	5.160
LP049	150	70	N	20	N	N	21.30	5.540
LP050	150	50	N	20	N	N	20.80	3.570
LP051	150	100	N	15	N	N	10.90	3.690
LP052	150	70	N	10	N	N	11.00	3.540
LP053	150	70	N	15	N	N	12.00	3.360
LP054	150	50	N	20	N	N	14.00	3.540
LP055	200	50	N	30	N	N	24.00	4.300
LP056	300	70	N	20	N	N	12.80	3.000
LP057	200	50	N	20	N	N	14.40	5.000
LP058	200	70	N	20	N	N	23.90	3.950
LP059	200	50	N	10	N	N	10.10	2.470
LP131	100	50	N	50	>1,000	N	58.60	14.100
LP132	200	70	N	15	N	N	15.40	4.950
LP133	200	50	N	30	N	N	27.60	4.310
LP134	500	50	N	10	N	N	14.50	2.390
LP135	300	100	N	20	N	N	28.00	4.670
LP136	150	50	N	15	N	N	10.20	5.120
LP137	150	70	N	20	N	N	22.10	3.990
LP138	150	70	N	50	N	N	18.60	5.270
LP139	200	70	N	30	N	N	19.70	4.440

Table 3.--continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-pptm s	Ag-pptm s	B-pptm s	Ba-pptm s	Be-pptm s
LP140	34 32 13	118 45 29	1.5	.30	.70	.30	300	N	20	700	1.0
LP141	34 32 30	118 45 56	2.0	.50	3.00	.50	500	N	30	700	1.0
LP142	34 34 4	118 46 45	3.0	.50	1.00	.30	300	N	30	700	1.0
LP143	34 34 38	118 46 27	5.0	.50	.70	.70	1,000	1.5	<10	700	1.5
LP144	34 31 52	118 48 7	.5	.07	.50	.50	300	N	10	700	1.0
LP145	34 32 56	118 48 18	2.0	.50	1.50	.50	700	N	15	700	1.5
LP146	34 31 22	118 45 32	1.0	.20	.50	.30	200	N	10	700	1.0
LP147	34 36 34	118 48 35	1.5	.50	5.00	.20	300	N	20	500	1.0
LP148	34 36 31	118 49 52	1.5	.50	3.00	.20	300	N	15	200	1.0
LP149	34 35 52	118 47 29	1.0	.30	5.00	.15	200	N	50	200	1.0
LP150	34 26 57	119 3 21	1.5	.50	.70	.30	300	N	30	700	1.0
LP151	34 34 57	118 46 38	2.0	.70	1.00	.50	500	N	20	700	1.0
LP152	34 26 55	119 3 19	1.5	.30	1.00	.50	700	N	50	1,000	1.0
LP153	34 26 59	119 1 32	1.5	.30	.70	.50	500	N	30	700	<1.0
LP154	34 27 46	119 3 17	1.5	.30	.70	.50	500	N	30	1,000	1.0
LP155	34 27 53	119 3 18	2.0	.50	.50	.30	300	N	20	500	1.0
LP156	34 29 28	119 3 17	3.0	.70	.30	.30	300	N	30	500	1.0
LP157	34 27 15	119 3 28	2.0	.50	.50	.30	500	N	20	500	1.5
LP158	34 31 52	119 9 7	2.0	.70	.70	.50	200	N	20	700	1.0
LP159	34 42 19	119 10 25	1.5	.30	.50	.50	300	N	20	700	<1.0
LP160	34 42 27	119 12 10	1.5	.20	.20	.70	1,500	N	30	1,000	1.0
LP161	34 42 27	119 13 26	7.0	.20	.50	1.00	5,000	N	15	1,500	1.5
LP162	34 41 54	119 13 52	1.5	.30	.10	.50	150	N	20	700	<1.0
LP163	34 41 38	119 11 8	1.5	.20	.15	.70	1,000	N	15	500	<1.0
LP164	34 40 0	119 13 53	1.5	.30	.20	.30	500	N	15	1,000	1.0
LP165	34 40 42	119 12 56	1.5	.30	.50	.50	300	N	15	700	1.0
LP166	34 40 46	119 12 52	1.5	.20	.50	.70	300	N	20	700	1.0
LP167	34 39 40	119 8 55	1.5	.30	.50	.50	500	<.5	20	700	1.0
LP095	34 31 55	118 53 39	2.0	.70	.70	.20	200	N	50	700	1.0
LP096	34 30 59	118 53 57	2.0	.50	.70	.20	200	N	50	700	1.0
LP097	34 29 32	118 56 41	2.0	.70	1.50	.30	300	N	30	1,000	1.5
LP098	34 29 29	118 56 28	2.0	.70	2.00	.20	300	N	70	1,000	1.0
LP099	34 27 38	118 56 31	3.0	.50	1.50	.50	700	N	30	1,500	1.0
LP100	34 27 43	118 56 31	2.0	.50	.70	.70	500	N	50	1,500	1.0
LP101	34 33 36	119 9 6	3.0	.70	1.50	.50	500	N	50	1,000	1.0
LP102	34 33 37	119 8 32	2.0	.50	2.00	.30	200	N	30	1,500	1.0
LP103	34 35 1	119 10 3	1.5	.50	1.00	.30	300	N	50	1,500	1.0
LP104	34 34 59	119 9 57	2.0	.30	.10	.50	200	N	30	1,500	1.0
LP105	34 37 27	119 11 57	2.0	.50	.30	.30	500	N	30	1,000	1.0
LP106	34 35 18	119 9 42	2.0	.50	.70	.50	300	N	30	1,000	1.0
LP107	34 33 36	119 10 47	2.0	.70	1.00	.30	500	N	50	1,000	1.0
LP108	34 35 15	119 12 18	2.0	.50	.50	.50	500	N	50	1,000	1.0
LP109	34 33 48	119 12 34	2.0	.70	2.00	.50	700	N	70	1,000	1.0
LP110	34 33 35	119 14 52	2.0	.70	2.00	.50	1,000	N	50	1,500	1.0
LP111	34 33 20	119 18 32	5.0	1.00	.50	.30	500	N	70	1,000	1.5

Table 3.--continued

Sample	Bi-ppm s	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	Sn-ppm s
LP140	N	10	20	20	N	N	<20	15	15	7	N
LP141	N	10	50	15	50	<5	<20	20	15	10	N
LP142	N	15	30	30	<20	N	<20	20	20	10	N
LP143	N	15	100	15	150	N	20	20	15	10	N
LP144	N	<5	<10	<5	N	N	30	<5	10	<5	N
LP145	N	10	30	15	100	N	<20	20	15	15	N
LP146	N	5	20	7	N	5	N	15	10	5	N
LP147	N	10	30	10	<20	<5	N	15	20	7	N
LP148	N	10	30	15	<20	<5	N	15	10	7	N
LP149	N	N	15	7	N	5	N	5	<10	<5	N
LP150	N	10	20	20	N	N	N	10	15	5	N
LP151	N	15	30	20	50	<5	<20	15	20	7	N
LP152	N	10	30	15	50	N	<20	5	15	7	N
LP153	N	10	20	10	<20	N	<20	10	10	7	N
LP154	N	10	30	15	50	N	<20	7	15	7	N
LP155	N	15	50	20	N	N	<20	15	20	7	N
LP156	N	15	50	20	N	<5	<20	20	20	7	N
LP157	N	10	30	15	50	N	<20	5	15	7	N
LP158	N	10	50	15	N	N	<20	20	15	7	N
LP159	N	10	20	15	N	N	<20	5	10	5	N
LP160	N	7	15	10	100	N	30	15	15	10	N
LP161	N	20	100	15	200	N	30	15	50	15	N
LP162	N	5	15	15	N	N	<20	10	15	5	N
LP163	N	5	15	5	100	<5	20	10	10	7	N
LP164	N	7	10	7	<20	N	<20	5	15	5	N
LP165	N	10	10	10	N	N	<20	7	15	5	N
LP166	N	7	<10	7	70	N	<20	5	10	7	N
LP167	N	10	50	15	70	N	20	10	15	5	N
LP095	N	10	150	20	<20	10	N	30	10	7	N
LP096	N	10	100	10	<20	7	N	30	10	5	N
LP097	N	10	50	15	<20	<5	N	10	15	7	N
LP098	N	10	150	30	<20	7	N	30	20	7	N
LP099	N	10	50	20	50	N	<20	10	30	7	N
LP100	N	10	50	15	70	N	<20	10	15	7	N
LP101	N	10	150	20	<20	10	<20	20	20	10	N
LP102	N	10	70	10	<20	5	<20	20	15	7	N
LP103	N	10	30	15	N	N	N	15	20	7	N
LP104	N	10	30	7	<20	N	N	10	10	7	N
LP105	N	10	50	20	50	N	N	20	20	10	N
LP106	N	10	50	10	50	N	<20	15	20	10	N
LP107	N	10	100	15	<20	5	N	15	20	7	N
LP108	N	10	30	10	<20	<5	N	7	15	5	N
LP109	N	10	200	15	<20	<5	N	15	15	7	N
LP110	N	10	70	20	<20	N	N	10	30	7	N
LP111	N	15	150	70	50	N	N	30	50	15	N

Table 3.--continued

Sample	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s	AC-TH	AC-U
LP140	150	50	N	20	N	300	N	10.60	4.950
LP141	500	70	N	20	N	200	N	13.30	3.330
LP142	200	70	N	20	N	300	N	12.70	4.820
LP143	200	100	N	70	N	200	N	42.90	6.170
LP144	150	20	N	15	N	300	N	7.20	2.730
LP145	300	100	N	30	N	100	N	29.80	3.040
LP146	200	50	N	10	N	150	N	7.14	2.880
LP147	300	70	N	20	N	100	N	20.50	5.550
LP148	200	100	N	20	N	150	N	28.60	4.500
LP149	200	50	N	10	N	70	N	--	--
LP150	200	50	N	15	N	100	N	11.40	3.510
LP151	200	70	N	50	N	300	N	24.50	4.230
LP152	200	70	N	20	N	700	N	14.40	4.600
LP153	200	50	N	15	N	1,000	N	15.20	4.450
LP154	200	70	N	20	N	500	N	19.60	5.760
LP155	200	70	N	15	N	300	N	15.50	4.510
LP156	150	100	N	15	N	200	N	15.80	4.340
LP157	200	70	N	20	N	200	N	14.40	4.370
LP158	200	70	N	15	N	200	N	15.40	3.760
LP159	150	50	N	15	N	700	N	14.60	4.710
LP160	200	70	N	70	N	1,000	N	69.70	16.300
LP161	150	150	N	100	N	>1,000	<200	154.00	23.000
LP162	150	50	N	15	N	1,000	N	18.90	5.230
LP163	100	50	N	100	N	1,000	N	32.80	7.930
LP164	200	50	N	10	N	200	N	13.30	3.020
LP165	200	50	N	15	N	500	N	17.90	3.850
LP166	200	50	N	30	N	1,000	N	26.70	6.930
LP167	200	50	N	30	N	1,000	N	27.60	6.120
LP095	150	70	N	15	N	100	N	15.50	10.300
LP096	150	70	N	15	N	100	N	13.10	5.190
LP097	200	70	N	20	N	200	N	10.60	4.480
LP098	200	70	N	20	N	200	N	15.20	7.340
LP099	200	100	N	50	N	1,000	N	15.30	5.780
LP100	200	50	N	15	N	300	N	7.75	4.920
LP101	300	100	N	30	N	500	N	8.77	6.750
LP102	300	70	N	20	N	200	N	<3.40	5.610
LP103	200	70	N	15	N	300	N	11.20	4.710
LP104	150	50	N	20	N	700	N	5.90	5.590
LP105	150	70	N	30	N	1,000	N	29.30	8.740
LP106	100	70	N	30	N	1,000	N	11.80	6.480
LP107	200	70	N	20	N	200	N	<3.10	5.430
LP108	200	50	N	15	N	300	N	6.65	4.770
LP109	200	70	N	15	N	300	N	14.70	5.150
LP110	200	50	N	50	N	500	N	15.70	4.620
LP111	200	100	N	20	N	300	N	9.17	5.590

Table 3.--continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-pptm s	Ag-pptm s	B-pptm s	Ba-pptm s	Be-pptm s
LP112	34 31 27	119 21 3	3.0	.70	3.00	.30	300	N	50	1,000	1.0
LP113	34 31 22	119 20 58	3.0	.70	5.00	.30	500	N	70	1,000	1.5
LP114	34 36 2	119 14 54	2.0	.50	2.00	.50	300	N	30	1,000	1.0
LP115	34 33 27	119 6 13	2.0	.70	15.00	.30	700	N	50	1,000	1.0
LP116	34 33 44	119 5 58	2.0	.50	1.00	.50	1,000	N	50	1,000	1.0
LP117	34 33 30	119 4 14	2.0	.50	.70	.50	500	N	50	1,000	1.0
LP118	34 33 23	119 4 12	3.0	.70	2.00	.30	700	N	50	1,000	1.0
LP119	34 34 4	119 3 2	3.0	1.00	5.00	.50	1,000	.5	70	1,500	1.5
LP120	34 34 9	119 1 29	2.0	.70	3.00	.30	700	N	50	1,000	1.0
LP121	34 34 13	119 1 43	2.0	.50	.70	.50	700	N	50	1,000	1.0
LP122	34 34 20	119 1 33	2.0	.50	5.00	.50	1,000	N	50	1,000	1.0
LP123	34 34 30	118 59 3	2.0	.50	3.00	.50	1,000	N	50	1,000	1.0
LP124	34 34 57	118 59 27	5.0	.70	5.00	.30	1,500	N	70	2,000	1.0
LP125	34 35 36	118 59 53	7.0	1.00	3.00	.50	2,000	N	50	1,000	1.0
LP126	34 35 37	118 55 58	5.0	1.00	2.00	.50	1,500	N	20	1,500	1.0
LP127	34 36 9	118 56 33	10.0	.50	1.50	.10	2,000	N	10	1,500	1.0
LP128	34 37 9	118 57 19	3.0	.70	1.50	.70	1,500	N	10	2,000	1.5
LP129	34 34 56	119 5 9	2.0	.50	.30	.50	500	N	30	1,500	1.0
LP130	34 36 47	119 4 22	1.5	.20	.20	1.00	5,000	N	30	1,500	1.0
LP160	34 50 8	119 26 3	7.0	.30	1.00	1.00	1,500	N	10	1,500	1.0
LP161	34 50 19	119 16 49	5.0	.70	3.00	1.00	2,000	N	20	2,000	1.0
LP162	34 50 56	119 16 42	5.0	1.50	1.00	.50	1,000	N	20	1,000	1.5
LP163	34 51 34	119 14 48	7.0	1.50	1.50	.50	1,000	N	20	1,000	1.0
LP164	34 51 11	119 11 48	5.0	1.50	1.50	.50	1,500	N	70	1,500	1.0
LP165	34 40 38	119 18 28	5.0	.70	1.00	.50	1,000	N	50	1,500	1.5
LP166	34 40 53	119 18 27	2.0	.70	.50	.50	500	N	20	1,500	1.0
LP167	34 41 20	119 17 28	2.0	.70	1.00	.50	700	N	30	2,000	1.0
LP168	34 41 28	119 16 49	5.0	.50	1.00	.70	2,000	N	20	1,500	1.0
LP169	34 41 22	119 16 50	2.0	.70	1.00	.70	1,000	N	20	1,500	1.0
LP170	34 42 5	119 17 9	2.0	.50	1.50	.50	1,000	N	20	1,000	1.0
LP171	34 43 44	119 13 17	3.0	.70	1.00	.50	2,000	1.0	20	1,000	2.0
LP172	34 43 29	119 12 8	2.0	.50	1.00	.50	1,000	N	15	2,000	1.5
LP173	34 43 36	119 11 4	5.0	.50	2.00	1.00	2,000	N	20	2,000	1.5
LP174	34 43 34	119 10 47	2.0	.70	2.00	.50	1,500	N	50	2,000	1.0
LP175	34 43 24	119 10 43	2.0	.70	.50	.50	500	<.5	50	1,500	1.0
LP176	34 43 46	119 9 27	5.0	.50	2.00	1.00	2,000	N	20	2,000	1.0
LP177	34 43 26	119 9 3	5.0	.70	.70	.70	700	N	50	1,000	1.5
LP178	34 42 53	119 7 33	7.0	1.00	2.00	.50	1,500	N	70	1,500	1.5
LP179	34 43 28	119 5 23	3.0	.70	1.50	.30	1,000	N	15	1,500	1.5
LP180	34 41 49	119 5 35	5.0	.70	2.00	.70	1,500	N	20	1,000	1.5
LP181	34 41 17	119 7 8	3.0	.50	.70	1.00	1,500	N	30	1,000	1.0
LP182	34 38 13	119 6 8	2.0	.50	1.00	1.00	2,000	N	30	1,500	<1.0
LP183	34 38 41	119 4 26	3.0	.50	1.00	.70	1,000	N	50	1,500	1.5
LP184	34 38 42	119 4 19	2.0	.70	1.00	.70	700	N	70	1,500	1.0
LP185	34 38 13	119 2 27	1.5	.50	.50	.70	700	N	50	2,000	1.0

Table 3.--continued

Sample	U--ppm S	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	Sn--ppm S
LP112	N	10	100	30	<20	5	N	20	20	7	N
LP113	N	10	70	30	N	<5	N	30	30	10	N
LP114	N	10	150	7	N	<5	<20	15	15	7	N
LP115	N	10	70	30	50	N	<20	15	20	7	N
LP116	N	10	50	15	<20	5	<20	15	10	7	N
LP117	N	10	50	20	N	5	<20	15	20	7	N
LP118	N	10	50	20	N	N	<20	15	20	10	N
LP119	N	10	150	30	<20	10	<20	70	20	10	N
LP120	N	10	70	20	N	<5	<20	20	30	7	N
LP121	N	10	50	30	N	N	<20	15	20	7	N
LP122	N	10	70	20	50	<5	<20	20	20	7	N
LP123	N	10	50	20	N	<5	<20	20	30	7	N
LP124	N	10	100	30	70	<5	<20	20	30	7	N
LP125	N	20	150	30	150	<5	<20	50	20	15	N
LP126	N	10	100	20	100	N	<20	20	30	7	N
LP127	N	10	70	20	200	N	20	15	20	7	N
LP128	N	10	70	20	100	5	<20	20	20	7	N
LP129	N	7	20	10	N	<5	<20	15	10	5	N
LP130	N	10	20	5	700	N	30	15	15	15	N
LP060	N	10	70	5	150	N	20	10	30	5	N
LP061	N	10	50	7	70	<5	20	15	30	10	N
LP062	N	15	150	30	50	N	<20	50	30	15	N
LP063	N	50	200	50	150	<5	<20	100	30	20	N
LP064	N	20	200	30	50	<5	<20	100	30	30	N
LP065	N	10	50	30	50	N	<20	20	50	20	N
LP066	N	7	50	20	70	N	<20	15	20	15	N
LP067	N	7	50	7	70	5	<20	10	20	7	N
LP068	N	7	50	10	50	N	20	15	20	10	N
LP069	N	7	50	7	70	<5	20	10	20	7	N
LP070	N	7	30	15	N	<5	<20	5	30	5	N
LP071	N	7	50	20	100	N	20	10	30	7	N
LP072	N	7	30	15	50	N	<20	10	20	7	N
LP073	N	10	70	50	50	7	30	15	30	10	N
LP074	N	7	50	20	N	<5	N	15	30	7	N
LP075	N	7	50	30	N	N	N	15	30	10	N
LP076	N	10	70	10	100	<5	20	15	20	10	N
LP077	N	10	70	50	50	<5	<20	15	50	15	N
LP078	N	15	100	30	70	N	<20	30	30	20	N
LP079	N	10	50	15	50	N	N	20	20	7	N
LP080	N	10	70	30	150	N	20	30	20	20	N
LP081	N	10	20	10	50	<5	30	15	20	7	N
LP082	N	7	20	7	500	<5	50	7	50	10	N
LP083	N	15	30	30	50	<5	20	30	30	15	N
LP084	N	10	30	20	50	<5	<20	15	20	7	N
LP085	N	7	20	7	N	<5	<20	10	20	7	N

Table 3.--continued

Sample	Si- μ m s	V- μ m s	U-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s	AC-TH	AC-U
LP112	300	70	N	15	N	200	N	5.50	3.870
LP113	300	100	N	20	N	200	N	11.00	4.120
LP114	200	70	N	20	N	500	N	11.90	5.820
LP115	500	50	N	50	N	700	N	15.20	3.740
LP116	200	70	N	30	N	1,000	N	14.30	4.290
LP117	150	70	N	30	N	700	N	15.50	4.780
LP118	300	100	N	30	N	700	N	15.50	3.630
LP119	500	150	N	50	N	300	N	11.60	6.190
LP120	300	70	N	30	N	300	N	11.90	4.110
LP121	200	70	N	50	N	1,000	N	16.10	4.660
LP122	300	70	N	20	N	500	N	14.20	4.100
LP123	300	70	N	20	N	300	N	14.40	3.990
LP124	300	100	N	50	N	300	N	27.50	3.970
LP125	300	150	N	100	N	300	N	38.40	5.380
LP126	300	70	N	30	N	300	N	16.60	3.810
LP127	300	150	N	50	N	1,000	N	68.00	10.100
LP128	300	70	N	20	N	500	N	27.70	5.060
LP129	150	70	N	20	N	1,000	N	17.50	5.020
LP130	100	50	N	300	N	>1,000	N	213.00	41.900
LP060	150	150	N	70	N	1,000	<100	57.90	10.100
LP061	500	100	N	50	N	1,000	N	12.30	3.920
LP062	200	100	N	30	N	200	N	20.20	4.010
LP063	200	150	N	100	N	500	N	28.60	4.590
LP064	500	100	N	50	N	500	N	21.10	6.540
LP065	300	100	N	30	N	500	N	18.60	4.760
LP066	200	70	N	30	N	700	N	26.30	6.160
LP067	300	100	N	50	N	1,000	N	20.80	5.670
LP068	300	100	N	30	N	1,000	N	26.70	5.350
LP069	300	70	N	50	N	700	N	17.00	4.110
LP070	300	50	N	30	N	500	N	15.60	4.610
LP071	300	70	N	50	N	700	N	18.00	3.040
LP072	500	50	N	50	N	300	N	5.36	1.890
LP073	500	100	N	70	N	700	N	21.60	4.650
LP074	500	70	N	30	N	500	N	9.54	3.110
LP075	300	70	N	30	N	700	N	14.00	4.890
LP076	500	100	N	70	N	1,000	N	23.80	5.710
LP077	200	100	N	50	N	500	N	22.80	5.330
LP078	500	70	N	70	N	300	N	16.10	2.290
LP079	300	50	N	20	N	100	N	17.80	2.340
LP080	300	70	N	50	N	300	N	19.20	3.400
LP031	200	70	N	150	N	1,000	N	33.30	4.450
LP082	200	70	N	500	N	>1,000	100	167.00	28.300
LP083	300	100	N	70	N	1,000	N	11.40	4.960
LP034	300	70	N	30	N	300	100	--	--
LP085	300	70	N	30	N	700	N	13.70	4.440

Table 3.--continued

Sample	Latitude	Longitude	Fe-ppt. s	Mg-ppt. s	Ca-ppt. s	Ti-ppt. s	Mn-ppt. s	Ag-ppt. s	B-ppt. s	Ba-ppt. s	Be-ppt. s
LP086	34 38 15	119 2 20	7.0	.70	.70	.50	1,000	N	20	1,000	1.0
LP087	34 38 19	119 4 58	3.0	.70	1.00	.50	1,000	N	20	1,500	1.0
LP088	34 38 35	119 6 11	2.0	.50	2.0	.50	500	N	20	1,500	1.0
LP089	34 26 30	119 4 43	3.0	.70	1.00	.50	700	N	20	1,500	1.0
LP090	34 26 26	119 4 52	2.0	.50	.70	.70	700	N	30	1,500	1.0
LP091	34 26 28	119 7 16	1.5	.70	20.00	.30	300	N	15	1,000	<1.0
LP092	34 27 54	119 7 48	3.0	.50	.30	.50	700	N	50	1,000	1.0
LP093	34 27 51	119 7 40	5.0	.70	1.00	.70	1,000	N	50	1,500	1.5
LP094	34 32 24	118 53 52	5.0	1.00	10.00	.50	700	N	70	1,000	1.0
LP108	34 39 22	119 10 6	2.0	.30	.70	1.00	1,000	N	20	1,000	2.0
LP109	34 38 20	119 10 3	2.0	.50	.50	.30	300	N	20	1,000	1.0
LP170	34 38 10	119 7 43	2.0	.50	.50	.50	700	N	50	1,000	1.5
LP171	34 38 16	119 7 40	1.0	.15	.50	.50	1,500	N	15	700	1.0
LP172	34 49 33	119 19 54	3.0	.30	1.00	.50	1,500	.7	20	1,000	1.0
LP173	34 49 42	119 18 56	1.5	.20	.70	.30	1,000	N	10	1,000	1.0
LP174	34 50 15	119 17 53	2.0	.30	.70	.70	1,500	N	50	1,000	1.0
LP175	34 50 30	119 16 45	1.5	.30	1.00	.30	500	N	15	1,000	1.5
LP176	34 49 6	119 16 4	2.0	.30	1.00	.30	1,500	N	15	1,000	1.0
LP177	34 46 49	119 19 6	2.0	.30	1.00	.50	1,000	N	10	1,000	1.0
LP178	34 47 39	119 22 44	2.0	.50	1.50	.50	700	N	15	1,000	1.0
LP179	34 47 37	119 24 3	3.0	.20	.70	.50	1,000	N	10	1,000	1.0
LP180	34 47 13	119 24 31	2.0	.30	.70	.30	700	N	20	1,000	1.0
LP181	34 49 11	119 29 1	1.5	.50	.50	.20	700	N	50	1,000	1.5
LP182	34 48 44	119 28 32	3.0	.30	.50	.30	1,000	N	30	1,000	1.5
LP183	34 46 56	119 27 9	1.5	.30	1.00	.30	700	N	20	1,000	1.0
LP184	34 39 13	119 16 10	2.0	.50	.30	.30	500	N	20	1,000	1.0
LP185	34 40 49	119 19 9	2.0	.70	1.50	.30	700	N	30	1,000	1.5
LP186	34 42 32	119 18 59	1.5	.30	.70	.30	500	N	20	1,000	1.0
LP187	34 41 3	119 20 52	2.0	.50	1.50	.20	500	N	30	1,000	1.5
LP188	34 43 47	119 20 54	2.0	.50	.70	.30	500	N	20	1,000	1.0
LP189	34 44 20	119 22 5	1.5	.30	.70	.30	700	<.5	20	1,000	1.5
LP190	34 47 43	119 27 43	3.0	1.00	1.00	.30	700	N	70	1,000	1.0
LP191	34 49 52	119 32 42	7.0	.50	.30	.30	500	N	50	1,500	2.0
LP192	34 49 22	119 32 11	2.0	.30	.50	.30	700	N	30	700	1.5
LP193	34 48 59	119 31 53	1.0	.20	.50	.20	200	N	20	700	1.0
LP194	34 39 5	118 47 5	2.0	.70	5.00	.50	700	N	30	700	1.0
LP195	34 39 44	118 49 28	3.0	.70	1.00	.30	1,000	N	50	1,000	1.0
LP196	34 40 18	118 50 2	5.0	1.00	1.50	1.00	1,500	N	30	700	1.5
LP197	34 38 26	118 51 44	1.5	.30	.50	.15	300	N	10	1,000	1.5
LP198	34 40 49	118 50 33	5.0	1.00	2.00	.50	1,500	N	30	700	1.0
LP199	34 41 33	118 50 56	10.0	.30	.70	1.00	2,000	N	<10	500	1.0
LP200	34 41 35	118 51 38	7.0	.70	1.00	1.00	1,500	N	10	700	1.0
LP201	34 42 13	118 51 58	2.0	.70	1.00	.30	700	N	10	1,000	1.0
LP202	34 41 16	118 53 39	5.0	1.00	1.00	.50	1,500	N	<10	1,000	1.5
LP203	34 44 14	118 53 19	7.0	.70	1.00	.70	1,500	N	<10	500	1.0

Table 3.--continued

Sample	Bi-ppm s	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	Sn-ppm s
LP086	N	10	100	30	50	N	<20	20	30	7	N
LP087	N	10	20	15	70	N	20	15	20	15	N
LP088	N	7	20	10	N	<5	<20	7	20	7	N
LP089	N	10	50	20	50	N	<20	15	20	15	N
LP090	N	10	30	20	70	N	20	15	20	10	N
LP091	N	7	30	15	N	N	N	10	30	5	N
LP092	N	15	70	30	N	N	N	20	20	10	N
LP093	N	15	70	50	50	N	<20	20	30	15	N
LP094	N	10	200	50	50	10	<20	70	30	15	N
LP168	N	10	20	7	70	N	20	15	30	10	N
LP169	N	7	30	20	N	N	<20	5	20	7	N
LP170	N	7	30	15	N	N	20	7	15	10	N
LP171	N	5	10	5	N	N	<20	<5	10	<5	N
LP172	N	7	50	7	70	N	20	7	20	5	N
LP173	N	7	20	5	N	N	<20	5	10	<5	N
LP174	N	7	30	7	50	N	20	10	15	7	N
LP175	N	<5	20	7	N	N	N	7	10	5	N
LP176	N	7	20	7	N	N	20	10	10	7	N
LP177	N	7	30	7	N	N	<20	10	15	5	N
LP178	N	7	30	7	N	N	20	10	10	<5	N
LP179	N	10	200	5	100	N	20	10	10	<5	N
LP180	N	5	20	10	N	N	<20	7	10	7	N
LP181	N	7	20	15	N	N	N	10	10	5	N
LP182	N	10	30	20	100	N	20	10	20	7	N
LP183	N	7	20	7	N	N	<20	7	15	5	N
LP184	N	10	30	15	50	N	20	15	15	7	N
LP185	N	10	30	20	50	N	<20	10	20	10	N
LP186	N	5	20	7	N	N	<20	7	10	<5	N
LP187	N	7	20	15	N	N	<20	7	15	7	N
LP188	N	10	20	10	N	N	<20	10	15	5	N
LP189	N	7	15	10	N	N	20	5	15	5	N
LP190	N	15	30	30	N	<5	<20	15	20	10	N
LP191	N	10	20	30	50	N	<20	15	15	10	N
LP192	N	7	30	10	N	N	<20	10	10	7	N
LP193	N	N	15	5	N	N	N	<5	10	<5	N
LP194	N	7	100	7	N	N	<20	15	10	10	N
LP195	N	10	30	20	50	N	<20	15	15	7	N
LP196	N	20	150	50	N	N	<20	30	20	20	N
LP197	N	<5	15	5	N	N	N	5	15	<5	N
LP198	N	15	150	30	N	N	<20	30	20	15	N
LP199	N	20	150	7	150	N	20	10	20	7	N
LP200	N	15	200	10	100	N	<20	20	10	15	N
LP201	N	10	70	7	N	N	N	15	10	7	N
LP202	N	15	100	10	100	N	<20	20	10	15	N
LP203	N	10	100	7	70	N	20	10	10	15	N

Table 3.--continued

Sample	Si-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s	AC-TH	AC-U
LP086	200	200	N	50	N	1,000	N	46.30	9.020
LP087	300	70	N	50	N	1,000	N	17.70	5.350
LP088	300	70	N	20	N	700	N	10.90	3.070
LP089	300	100	N	30	N	1,000	N	13.80	4.950
LP090	300	70	N	30	N	700	N	14.80	5.400
LP091	500	70	N	50	N	500	N	6.05	2.470
LP092	150	70	N	15	N	200	N	4.30	4.310
LP093	200	100	N	30	N	300	N	6.69	4.920
LP094	300	100	N	30	N	200	N	12.70	9.590
LP108	200	50	N	70	N	1,000	N	18.90	5.520
LP169	150	70	N	50	N	500	N	12.70	5.140
LP170	200	70	N	30	N	500	N	14.70	5.460
LP171	150	30	N	20	N	1,000	N	19.30	4.370
LP172	200	100	N	30	N	700	N	31.30	4.380
LP173	150	70	N	20	N	700	N	22.80	4.050
LP174	200	100	N	30	N	1,000	N	18.30	4.380
LP175	150	50	N	15	N	300	N	9.16	3.160
LP176	200	50	N	20	N	1,000	N	8.21	4.610
LP177	200	70	N	20	N	300	N	10.60	3.820
LP178	300	70	N	20	N	700	N	20.30	6.070
LP179	200	100	N	30	N	700	N	35.60	7.280
LP180	150	50	N	20	N	1,000	N	21.20	5.210
LP181	150	70	N	20	N	300	N	11.80	4.900
LP182	100	70	N	50	N	1,000	N	45.70	9.390
LP183	200	50	N	20	N	500	N	10.70	3.400
LP184	150	50	N	15	N	700	N	20.50	5.260
LP185	150	70	N	20	N	500	N	14.30	4.800
LP186	150	50	N	15	N	700	N	17.00	3.510
LP187	200	50	N	20	N	300	N	8.75	3.940
LP188	150	50	N	15	N	500	N	12.90	3.630
LP189	150	50	N	20	N	700	N	18.10	4.920
LP190	200	70	N	30	N	500	N	13.80	5.110
LP191	150	70	N	50	N	500	N	21.10	5.220
LP192	150	50	N	15	N	700	N	19.50	3.770
LP193	150	30	N	10	N	700	N	11.70	2.930
LP194	300	70	N	20	N	200	N	18.70	3.300
LP195	150	70	N	20	N	300	N	14.10	3.590
LP196	150	100	N	50	N	500	N	6.94	2.880
LP197	200	20	N	10	N	50	N	7.08	1.790
LP198	200	70	N	30	N	200	N	10.70	2.350
LP199	200	300	N	70	N	1,000	N	109.00	11.800
LP200	200	150	N	50	N	500	N	32.70	3.960
LP201	300	50	N	20	N	300	N	6.21	2.640
LP202	200	100	N	30	N	700	N	23.30	3.620
LP203	150	150	N	50	N	1,000	N	38.90	5.790

Table 3.--continued

Sample	Latitude	Longitude	Fe-ppt. s	Mg-ppt. s	Ca-ppt. s	Ti-ppt. s	Mn-ppt. s	Ag-ppt. s	B-ppt. s	Ba-ppt. s	Be-ppt. s
LP204	34 43 31	118 54 19	5.0	.70	1.00	.50	1,000	N	10	1,000	1.0
LP205	34 41 18	118 54 43	5.0	.50	.50	.30	500	N	<10	1,500	1.0
LP206	34 41 26	118 53 33	7.0	1.00	1.50	.50	1,000	1.5	10	500	1.0
LP207	34 41 17	118 53 18	7.0	1.50	1.50	.50	1,500	N	10	700	<1.0
LP208	34 42 54	118 53 47	5.0	.50	.70	.50	1,500	N	15	1,000	1.0
LP209	34 42 19	118 54 19	7.0	1.00	1.00	.50	1,500	N	10	500	<1.0
LP210	34 41 53	118 53 51	7.0	1.00	1.50	.30	1,500	N	10	700	1.0
LP211	34 42 9	118 56 7	5.0	.50	.70	.50	1,000	N	50	1,000	1.0
LP212	34 42 23	118 56 48	2.0	.30	1.00	.30	700	N	30	1,000	1.0
LP213	34 42 44	118 56 22	5.0	.50	.50	1.00	1,500	N	15	1,000	1.0
LP214	34 43 29	118 56 6	5.0	1.00	.70	.50	1,000	N	10	1,000	1.5
LP215	34 44 1	118 59 29	3.0	.50	1.00	.50	1,000	N	20	1,000	1.0
LP216	34 43 58	118 58 52	3.0	.30	.70	.70	1,500	N	10	1,000	<1.0
LP217	34 44 28	118 56 23	5.0	.20	.70	.70	1,500	N	15	1,000	1.0
LP218	34 42 29	118 58 6	5.0	1.00	.70	.50	700	N	10	500	1.5
LP219	34 42 13	118 58 53	5.0	1.00	.50	.50	1,000	N	10	500	1.5
LP220	34 42 2	118 59 56	3.0	.50	1.00	.50	1,500	N	50	1,500	<1.0
LP221	34 41 57	118 59 55	5.0	.30	.50	.50	1,000	N	20	1,000	1.0
LP222	34 39 14	119 1 20	7.0	1.00	1.00	.50	1,000	N	10	1,000	1.5
LP223	34 37 49	118 58 49	10.0	.50	.50	.50	700	N	10	500	<1.0
LP224	34 37 56	118 54 52	5.0	1.00	1.00	.50	1,000	N	10	1,000	1.0
LP225	34 42 50	119 0 44	5.0	.50	2.00	.50	1,500	N	15	1,000	1.0
LP226	34 42 58	119 1 8	5.0	.70	.50	.50	1,000	N	10	1,000	1.0
LP229	34 44 7	119 3 20	3.0	.50	1.00	.50	700	N	70	1,000	1.0
LP230	34 43 13	119 3 24	5.0	1.00	.70	.50	1,500	N	10	1,000	1.5
LP231	34 42 6	119 2 30	5.0	.50	.50	.50	2,000	N	10	1,000	<1.0
LP232	34 41 52	119 1 33	5.0	.30	.70	1.00	2,000	N	10	1,000	<1.0
LP233	34 40 53	119 1 13	2.0	.30	1.00	.50	700	N	30	1,500	1.0
LP234	34 40 51	119 1 9	10.0	.30	.10	.70	1,000	N	15	700	<1.0
LP235	34 40 26	119 2 37	5.0	.70	1.00	.50	1,500	N	15	1,000	1.0
LP236	34 40 27	119 2 34	3.0	.50	.50	.50	1,000	N	15	1,000	1.0
LP237	34 40 8	119 2 58	5.0	.30	.70	.50	1,500	N	20	1,000	1.0
LP238	34 45 7	118 56 11	2.0	.30	.50	.50	500	N	10	500	<1.0
LP239	34 45 2	118 55 55	5.0	.70	1.00	.70	1,500	N	10	1,000	1.0
LP240	34 32 35	119 9 47	5.0	1.00	.70	.50	500	N	50	1,000	1.5
LP241	34 52 51	118 59 46	5.0	.70	.70	.50	700	1.0	50	1,000	1.0
LP242	34 53 9	118 58 0	5.0	.70	1.50	.50	1,000	N	30	1,500	1.5
LP243	34 53 15	119 0 11	2.0	.30	.50	.50	700	N	50	1,000	1.0
LP355	35 2 12	120 0 8	1.5	.30	1.50	.20	500	N	20	1,000	1.5
LP356	35 3 16	120 0 48	2.0	.30	.30	.30	1,000	N	20	1,000	1.0
LP357	35 4 32	120 1 27	3.0	.50	.30	.50	500	N	30	1,000	1.0
LP358	35 5 2	120 2 30	5.0	.50	.50	.50	700	N	20	1,000	1.5
LP359	34 54 13	120 8 26	2.0	.70	.70	.30	500	N	50	1,000	1.5
LP360	34 54 51	120 8 44	1.5	.70	1.00	.20	300	.5	15	700	1.0
LP361	34 57 41	120 8 18	1.5	.50	5.00	.15	700	N	20	500	<1.0

Table 3.--continued

Sample	Bi- μ m s	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	Sn-ppm s
LP204	N	10	50	7	50	N	20	10	15	10	N
LP205	N	10	50	10	50	N	<20	10	15	10	N
LP206	N	20	200	30	50	N	<20	30	10	20	N
LP207	N	20	200	70	100	N	<20	30	30	20	N
LP208	N	10	100	15	100	10	20	15	20	15	N
LP209	N	30	150	50	70	N	<20	20	15	30	N
LP210	N	20	150	30	50	N	<20	30	20	20	N
LP211	N	10	50	10	70	<5	20	10	20	7	N
LP212	N	7	50	7	70	<5	20	10	20	7	N
LP213	N	10	70	10	100	N	30	15	20	7	N
LP214	N	15	200	30	70	N	<20	30	20	15	N
LP215	N	7	30	7	50	15	20	10	30	7	N
LP216	N	10	50	10	100	N	30	10	20	10	N
LP217	N	7	50	7	70	N	30	10	20	7	N
LP218	N	15	100	10	100	N	<20	15	20	15	N
LP219	N	15	150	30	100	N	20	20	30	10	N
LP220	N	10	100	10	100	N	20	10	20	5	N
LP221	N	7	30	7	70	N	30	10	15	7	N
LP222	N	10	50	30	100	N	<20	10	30	7	N
LP223	N	15	50	20	150	N	<20	10	20	7	N
LP224	N	15	100	30	70	N	<20	20	20	15	N
LP225	N	10	50	10	50	<5	20	10	50	10	N
LP226	N	10	50	15	50	<5	20	10	30	7	N
LP229	N	10	50	7	<20	<5	<20	15	10	7	N
LP230	N	15	150	50	100	N	20	30	20	15	N
LP231	N	10	50	15	100	7	30	15	30	10	N
LP232	N	10	100	10	500	N	50	10	30	15	N
LP233	N	7	20	15	<20	N	20	7	15	10	N
LP234	N	15	150	30	150	N	20	15	15	10	N
LP235	N	10	70	30	150	N	20	20	20	20	N
LP236	N	10	50	7	70	10	20	10	20	7	N
LP237	N	10	30	15	70	N	30	10	20	10	N
LP238	N	10	50	7	50	<5	<20	10	15	5	N
LP239	N	15	150	10	70	<5	20	15	10	20	N
LP240	N	7	70	30	N	<5	<20	20	10	15	N
LP241	N	10	30	7	70	10	<20	10	50	7	N
LP242	N	7	30	5	70	<5	<20	7	20	7	N
LP243	N	5	15	10	N	<5	N	5	20	5	N
LP255	N	5	30	7	N	<5	N	7	15	5	N
LP256	N	5	30	10	50	N	<20	10	20	7	N
LP357	N	10	50	20	70	N	<20	15	20	10	N
LP358	N	10	50	20	50	N	<20	15	30	10	N
LP359	N	7	50	10	N	N	<20	15	15	5	N
LP360	N	5	100	20	N	10	N	30	10	5	N
LP361	N	7	30	7	N	<5	N	10	15	5	N

Table 3.--continued

Sample	Sr-ppm. s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s	AC-TH	AC-U
LP204	150	70	N	50	N	500	N	22.10	3.710
LP205	150	50	N	20	N	500	N	12.30	1.970
LP206	150	100	N	30	N	500	N	6.32	1.780
LP207	150	100	N	50	N	500	N	20.60	2.580
LP208	200	70	N	50	N	1,000	N	29.40	5.080
LP209	100	100	N	70	N	700	N	7.25	2.970
LP210	100	100	N	50	N	500	N	3.60	2.060
LP211	70	70	N	30	N	1,000	N	35.90	4.940
LP212	150	50	N	30	N	700	N	27.20	4.640
LP213	150	70	N	50	N	1,000	N	49.50	6.570
LP214	150	70	N	30	N	500	N	25.00	4.200
LP215	200	50	N	50	N	1,000	N	29.20	5.980
LP216	200	50	N	70	N	1,000	<100	90.90	14.400
LP217	200	70	N	100	N	1,000	N	56.10	9.150
LP218	150	70	N	70	N	700	N	38.00	6.400
LP219	100	70	N	70	N	700	<100	87.60	10.100
LP220	200	70	N	50	N	1,000	<100	45.10	6.230
LP221	150	70	N	50	N	1,000	N	39.90	7.660
LP222	200	70	N	50	N	300	N	53.80	5.210
LP223	100	100	N	30	N	1,000	N	106.00	8.440
LP224	300	70	N	20	N	200	N	29.10	4.390
LP225	200	50	N	50	N	1,000	N	20.90	4.380
LP226	200	50	N	50	N	500	N	31.50	3.760
LP229	200	50	N	20	N	300	N	11.30	2.980
LP230	200	100	N	30	N	500	N	68.90	6.500
LP231	150	70	N	70	N	1,000	<100	103.00	9.250
LP232	100	100	N	150	N	1,000	200	302.00	23.800
LP233	200	50	N	20	N	700	N	17.80	3.620
LP234	N	200	N	150	N	>1,000	200	240.00	36.200
LP235	200	70	N	70	N	1,000	N	72.90	9.620
LP236	200	50	N	50	N	1,000	N	33.50	6.610
LP237	200	70	N	50	N	1,000	N	63.00	9.170
LP238	200	50	N	20	N	500	N	23.90	5.750
LP239	150	100	N	50	N	700	N	16.50	3.440
LP240	150	70	N	20	N	500	N	18.40	4.120
LP241	200	50	N	15	N	500	N	16.20	4.100
LP242	300	50	N	15	N	200	N	12.50	4.540
LP243	150	50	N	10	N	200	N	7.66	3.510
LP355	300	50	N	15	N	300	N	10.10	3.800
LP356	200	70	N	30	N	1,000	N	18.80	4.800
LP357	150	70	N	50	N	1,000	N	20.00	6.160
LP358	150	70	N	50	N	700	N	20.30	5.130
LP359	150	50	N	10	N	200	N	11.50	4.030
LP360	150	100	N	15	N	200	N	7.89	5.050
LP361	300	50	N	10	N	200	N	14.40	4.110

Table 3.--continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-pptm s	Ag-pptm s	B-pptm s	Ba-pptm s	Be-pptm s
LP362	34 55 44	120 6 15	2.0	.50	2.00	.30	500	N	20	1,000	1.0
LP363	34 56 30	120 6 35	2.0	.50	1.00	.30	500	N	20	1,000	1.5
LP364	34 57 28	120 5 16	2.0	.70	1.00	.50	300	N	50	1,500	1.0
LP365	34 58 17	120 4 37	3.0	.50	.20	.50	500	N	50	2,000	1.0
LP366	34 58 7	120 3 4	2.0	.50	.50	.30	300	N	30	1,000	1.0
LP367	34 52 50	120 7 19	2.0	.70	1.00	.30	500	<.5	20	1,000	1.0
LP368	34 53 4	120 7 0	1.0	.70	1.00	.20	300	.5	10	700	<1.0
LP369	34 54 32	120 5 56	5.0	1.00	1.50	.30	700	<.5	20	1,000	1.5
LP370	34 54 36	120 4 30	2.0	1.00	5.00	.30	700	N	50	1,000	1.0
LP371	34 54 19	120 1 50	5.0	1.00	1.00	.30	700	N	30	1,000	<1.0
LP372	34 55 24	120 1 6	3.0	.70	.70	.30	700	N	70	1,000	1.5
LP373	34 56 14	119 59 54	2.0	.30	.15	.20	200	N	20	1,500	1.5
LP374	34 54 37	119 59 1	5.0	.70	.70	.30	500	N	30	1,500	1.0
LP375	34 53 52	119 58 51	2.0	.30	1.50	.30	200	N	20	1,000	1.0
LP376	34 52 59	119 59 12	3.0	.70	1.00	.30	700	N	70	700	1.0
LP377	34 50 11	120 1 1	2.0	.50	.70	.30	500	N	20	1,000	1.0
LP378	34 49 41	119 59 22	2.0	.30	2.00	.20	500	<.5	50	1,000	1.5
LP379	34 50 56	120 3 19	1.5	.50	1.00	.30	300	N	20	1,000	1.0
LP380	34 49 58	120 0 56	2.0	.50	1.00	.30	300	<.5	70	2,000	1.0
LP381	34 48 9	120 0 19	1.5	.50	.70	.20	300	N	50	700	<1.0
LP382	34 59 20	120 10 37	3.0	.50	.70	.30	500	N	30	700	1.0
LP383	34 53 6	120 10 4	.7	.10	.20	.10	150	N	10	300	<1.0
LP384	34 58 30	120 5 57	3.0	.30	.70	.20	300	N	70	700	1.0
LP385	35 0 59	120 5 13	2.0	.50	.15	.20	500	N	70	1,000	1.0
LP386	35 2 37	120 4 40	3.0	.50	.70	.30	500	N	50	1,000	1.0
LP387	35 1 18	120 8 41	5.0	1.00	.50	.30	500	N	70	1,000	1.0
LP388	35 2 18	120 8 53	3.0	.70	1.00	.30	500	N	70	1,000	1.0
LP389	35 2 19	120 8 57	2.0	.70	2.00	.20	300	N	50	1,000	1.0
LP318	34 32 23	119 24 27	5.0	.70	5.00	.50	1,000	N	50	1,000	1.5
LP319	34 31 3	119 24 23	2.0	.70	10.00	.30	700	N	50	1,500	1.5
LP320	34 31 14	119 24 17	3.0	.50	.70	.30	300	N	50	1,000	1.5
LP321	34 51 22	119 33 45	1.5	.30	1.00	.50	500	N	30	1,000	1.0
LP322	34 49 41	119 33 22	3.0	.50	.50	.30	700	N	30	1,500	1.0
LP323	34 48 47	119 33 30	5.0	.70	.70	.30	1,000	N	100	1,000	2.0
LP324	34 48 41	119 33 46	2.0	.70	1.00	.50	500	N	50	1,500	1.0
LP325	34 47 11	119 35 28	1.5	.50	2.00	.30	500	N	15	1,000	1.0
LP326	34 46 26	119 32 26	5.0	.70	.50	.50	1,000	N	50	1,000	2.0
LP327	34 48 42	119 31 44	1.5	.30	.70	.70	1,000	N	20	1,000	1.5
LP328	34 49 12	119 30 7	2.0	.30	1.50	1.00	2,000	N	20	1,000	1.0
LP329	34 48 28	119 30 11	3.0	.70	.50	.30	1,000	N	50	1,000	2.0
LP330	34 51 48	119 35 1	1.5	.20	1.00	.50	500	N	10	1,000	1.0
LP331	34 51 49	119 36 2	1.5	.50	2.00	.50	500	N	20	1,500	1.0
LP332	34 50 16	119 36 27	3.0	.50	2.00	>1.00	2,000	N	15	1,500	1.0
LP333	34 50 11	119 36 30	3.0	.50	.50	.20	500	N	30	1,000	2.0
LP334	34 49 59	119 40 0	1.5	.70	2.00	.20	300	N	20	1,500	1.5

Table 3.--continued

Sample	Al-ppm s	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	Sn-ppm s
LP362	N	7	200	10	N	5	<20	10	10	7	N
LP363	N	7	50	10	N	N	<20	10	15	5	N
LP364	N	15	150	20	N	N	<20	15	30	10	N
LP365	N	10	50	20	N	N	<20	15	20	10	N
LP366	N	10	30	15	N	N	<20	15	20	7	N
LP367	N	7	70	15	70	5	<20	15	20	7	N
LP368	N	N	100	20	N	7	N	20	15	5	N
LP369	N	10	70	20	50	<5	<20	20	30	10	N
LP370	N	10	50	15	200	5	N	15	20	7	N
LP371	N	15	70	20	N	N	N	15	20	15	N
LP372	N	15	70	20	N	N	<20	15	20	10	N
LP373	N	7	20	10	N	N	<20	10	15	5	N
LP374	N	10	100	30	50	N	<20	15	20	15	N
LP375	N	5	20	15	N	N	<20	7	15	7	N
LP376	N	10	70	20	N	N	<20	15	10	10	N
LP377	N	7	50	15	70	N	<20	15	10	7	N
LP378	N	7	70	20	N	15	<20	50	15	7	N
LP379	N	5	30	7	<20	<5	<20	10	10	5	N
LP380	N	10	100	30	N	N	<20	20	15	10	N
LP381	N	15	150	20	N	N	N	30	10	15	N
LP382	N	7	30	7	<20	N	<20	7	15	7	N
LP383	N	N	70	15	N	10	N	15	<10	5	N
LP384	N	7	70	20	N	N	<20	15	10	10	N
LP385	N	10	100	30	N	N	<20	20	30	10	N
LP386	N	7	70	20	<20	N	<20	15	20	7	N
LP387	N	15	200	30	N	N	<20	150	30	15	N
LP388	N	10	200	30	<20	N	<20	50	30	10	N
LP389	N	7	150	20	N	<5	N	50	20	7	N
LP318	N	15	100	30	50	7	<20	30	50	10	N
LP319	N	5	70	20	50	5	N	20	30	7	N
LP320	N	7	100	20	50	N	N	15	15	7	N
LP321	N	5	20	5	N	<5	<20	5	10	<5	N
LP322	N	7	150	15	150	N	<20	15	20	7	N
LP323	N	15	50	50	50	N	<20	30	30	10	N
LP324	N	7	30	10	50	N	<20	10	15	5	N
LP325	N	<5	30	7	N	10	N	15	10	<5	N
LP326	N	10	30	30	50	N	<20	20	15	10	N
LP327	N	5	20	7	N	N	<20	5	10	5	N
LP328	N	7	20	5	70	N	30	5	20	7	N
LP329	N	15	50	30	50	N	<20	20	30	10	N
LP330	N	<5	20	<5	100	N	20	5	10	<5	N
LP331	N	5	20	5	50	<5	20	5	20	<5	N
LP332	N	7	30	7	50	<5	30	7	15	10	N
LP333	N	7	20	15	<20	N	N	7	10	7	N
LP334	N	5	50	7	<20	7	N	10	10	<5	N

Table 3.--continued

Sample	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s	AC-TH	AC-U
LP362	300	70	N	15	N	500	N	10.20	4.210
LP363	300	50	N	15	N	200	N	16.40	5.620
LP364	200	70	N	20	N	300	N	15.30	4.350
LP365	150	70	N	15	N	500	N	19.70	4.380
LP366	150	50	N	15	N	200	N	15.70	3.420
LP367	200	70	N	30	N	200	N	14.10	4.560
LP368	150	100	N	15	N	300	N	8.34	6.020
LP369	200	70	N	50	N	500	N	14.60	5.520
LP370	300	50	N	50	N	300	<100	13.80	4.480
LP371	200	70	N	30	N	700	N	6.72	4.640
LP372	150	100	N	30	N	700	N	11.80	4.660
LP373	150	50	N	30	N	200	N	14.80	4.840
LP374	150	70	N	20	N	1,000	N	16.80	5.210
LP375	200	50	N	10	N	200	N	6.59	3.650
LP376	200	70	N	15	N	200	N	12.10	2.160
LP377	200	50	N	15	N	200	N	13.70	3.350
LP378	300	70	N	20	N	200	N	13.50	6.190
LP379	200	30	N	15	N	500	N	17.40	6.060
LP380	150	50	N	15	N	300	N	5.30	3.920
LP381	N	70	N	15	N	150	N	<2.10	2.530
LP382	150	50	N	20	N	500	N	21.60	6.390
LP383	N	50	N	15	N	70	N	<4.60	11.800
LP384	150	70	N	20	N	300	N	7.64	4.100
LP385	N	70	N	20	N	200	N	11.80	4.980
LP386	150	70	N	20	N	300	N	15.80	4.920
LP387	N	100	N	15	N	100	N	12.10	3.310
LP388	150	70	N	20	N	100	N	10.20	3.550
LP389	200	50	N	15	N	70	N	9.90	3.070
LP318	300	100	N	20	N	300	N	13.30	3.360
LP319	300	70	N	20	N	200	N	9.02	3.220
LP320	150	100	N	15	N	300	N	9.98	4.090
LP321	200	50	N	30	N	500	N	14.80	4.930
LP322	200	100	N	50	N	>1,000	N	34.70	9.000
LP323	300	100	N	70	N	300	N	16.10	5.340
LP324	200	50	N	20	N	500	N	6.62	4.370
LP325	200	70	N	15	N	500	N	5.30	4.210
LP326	150	70	N	30	N	300	N	12.10	4.990
LP327	200	50	N	20	N	700	N	10.60	4.400
LP328	200	70	N	20	N	1,000	N	47.50	8.570
LP329	150	100	N	50	N	300	N	14.40	5.760
LP330	200	50	N	50	N	1,000	N	31.00	7.080
LP331	300	50	N	30	N	1,000	N	21.80	5.770
LP332	300	100	N	50	N	1,000	N	27.30	6.220
LP333	<100	70	N	15	N	500	N	16.40	4.880
LP334	200	50	N	20	N	700	N	13.90	4.590

Table 3.--continued

Sample	Latitude	Longitude	Fe-ppt. s	Mg-ppt. s	Ca-pct. s	Ti-pct. s	Mn-ppt. s	Ag-ppt. s	B-ppt. s	Ba-ppt. s	Be-ppt. s
LP335	34 52 20	119 42 27	1.0	.50	2.00	.20	500	N	15	1,000	1.0
LP336	34 52 15	119 42 33	1.0	.50	1.50	.20	500	N	15	1,000	1.0
LP337	34 52 22	119 43 33	1.0	.50	1.50	.20	200	N	10	1,500	1.5
LP338	34 52 58	119 42 27	1.0	.50	1.50	.20	200	N	15	1,000	2.0
LP339	34 53 13	119 43 45	1.5	1.00	2.00	.20	300	.5	20	1,000	1.0
LP340	34 54 29	119 46 4	2.0	.50	.20	.30	500	N	20	1,000	1.5
LP341	34 52 48	119 47 18	1.5	.50	.70	.30	500	N	30	1,000	1.0
LP342	34 54 49	119 48 4	3.0	.50	.70	.50	1,000	N	30	1,000	1.5
LP343	34 55 35	119 49 5	1.5	.50	5.00	.30	500	N	20	1,000	1.0
LP344	34 56 1	119 50 7	1.5	.70	10.00	.30	700	N	30	1,000	1.0
LP345	34 56 16	119 50 37	2.0	.50	.20	.50	700	N	30	1,000	1.0
LP346	34 56 7	119 51 59	2.0	.50	3.00	.30	1,000	N	30	1,000	1.5
LP347	34 56 14	119 52 12	2.0	.50	1.00	.50	1,000	N	50	1,500	2.0
LP348	34 56 45	119 52 44	1.5	.30	1.50	.30	500	N	20	1,000	1.0
LP349	34 57 23	119 55 22	1.5	.50	5.00	.30	500	N	20	1,000	1.0
LP350	34 58 23	119 55 53	2.0	.50	5.00	.50	500	N	30	1,000	1.0
LP351	34 58 59	119 56 32	2.0	.70	2.00	.50	700	N	30	1,000	1.0
LP352	34 59 24	119 57 36	2.0	.50	1.00	.50	500	N	30	1,000	1.0
LP353	35 0 50	119 58 12	2.0	.50	1.00	.50	500	N	20	1,000	1.0
LP354	35 2 11	119 58 31	2.0	.30	.50	.30	700	N	20	1,000	1.0
LP283	34 51 4	119 6 51	3.0	1.00	1.50	.50	700	N	50	1,000	1.0
LP284	34 47 52	119 0 58	2.0	.50	.10	.70	1,500	N	20	1,000	1.0
LP285	34 46 40	119 0 58	7.0	.70	1.50	1.00	2,000	N	50	1,000	1.5
LP286	34 46 38	119 0 58	1.5	.30	.70	.30	1,000	N	20	700	1.0
LP287	34 45 49	119 1 38	3.0	.50	2.00	1.00	1,500	N	50	1,500	1.0
LP288	34 45 47	119 1 37	3.0	.50	2.00	.70	3,000	N	30	700	1.5
LP289	34 45 45	119 1 28	5.0	.50	1.50	.70	2,000	N	10	1,000	1.5
LP290	34 45 43	119 0 51	7.0	.50	1.00	.20	3,000	N	20	1,000	1.5
LP291	34 46 23	119 4 52	5.0	2.00	2.00	.30	700	N	>2,000	300	1.0
LP292	34 45 52	119 5 49	3.0	.50	1.50	1.00	2,000	N	100	1,000	1.0
LP293	34 46 44	119 6 48	2.0	.50	1.50	.30	700	N	15	500	2.0
LP294	34 45 38	119 6 56	5.0	.70	1.00	.70	1,000	N	100	1,000	1.5
LP295	34 45 39	119 6 57	5.0	.70	1.00	.50	1,000	N	70	1,500	1.0
LP296	34 45 36	119 8 59	5.0	1.50	1.50	.50	1,000	N	70	1,000	1.0
LP297	34 46 7	119 13 20	7.0	.20	.70	.50	1,000	N	10	1,000	1.5
LP298	34 46 53	119 14 14	5.0	.30	2.00	.50	1,500	N	30	1,500	1.0
LP299	34 48 19	119 14 59	5.0	1.00	1.50	.50	1,000	N	15	700	1.0
LP300	34 50 6	119 14 55	7.0	.30	1.00	1.00	1,500	N	20	1,000	<1.0
LP301	34 50 13	119 9 56	2.0	.70	5.00	.50	1,000	N	20	700	1.5
LP302	34 50 28	119 7 55	7.0	1.50	3.00	.70	2,000	N	20	1,000	1.5
LP303	34 47 45	118 59 39	3.0	.50	1.00	.70	1,000	N	20	1,000	1.0
LP304	34 58 26	119 14 51	5.0	.70	.70	.50	1,000	N	50	1,000	1.0
LP305	34 37 2	119 23 49	1.5	.50	1.50	.30	700	N	50	1,500	1.0
LP306	34 37 0	119 23 52	5.0	1.00	1.00	.70	1,500	N	50	1,000	1.5
LP307	34 36 24	119 22 56	5.0	1.00	.70	.50	1,000	N	50	1,000	1.5

Table 3.--continued

Sample	Bi-ppm s	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	Sn-ppm s
LP335	N	5	30	5	<20	5	N	7	10	<5	N
LP336	N	5	30	5	N	5	N	7	10	<5	N
LP337	N	<5	20	7	70	N	N	10	10	<5	N
LP338	N	N	20	5	50	N	N	10	10	<5	N
LP339	N	7	150	30	<20	20	N	100	10	7	N
LP340	N	10	30	15	<20	7	<20	10	10	7	N
LP341	N	10	20	15	<20	N	<20	7	20	7	N
LP342	N	10	20	15	<20	N	20	10	15	10	N
LP343	N	7	20	10	<20	<5	<20	7	15	7	N
LP344	N	7	30	15	<20	<5	<20	7	20	10	N
LP345	N	10	20	15	<20	N	20	7	20	10	N
LP346	N	10	150	10	<20	<5	20	7	15	10	N
LP347	N	10	30	20	<20	N	<20	10	20	7	N
LP348	N	7	15	7	N	N	N	7	10	5	N
LP349	N	7	50	10	N	<5	<20	7	20	7	N
LP350	N	7	100	15	<20	<5	20	15	20	10	N
LP351	N	10	30	20	N	5	<20	15	20	10	N
LP352	N	5	20	15	<20	N	20	10	15	7	N
LP353	N	7	20	15	<20	N	<20	7	15	5	N
LP354	N	7	20	10	<20	N	20	5	10	5	N
LP263	N	10	100	20	N	N	<20	50	10	10	N
LP264	N	7	30	10	N	N	20	10	15	7	N
LP285	N	15	100	20	100	N	30	30	30	30	N
LP286	N	N	20	7	N	N	20	7	15	5	N
LP287	N	10	30	15	<20	<5	20	15	20	10	N
LP288	N	7	70	30	70	5	30	10	30	10	N
LP289	N	7	50	20	50	N	30	10	20	15	N
LP290	N	10	100	30	150	N	30	20	30	20	N
LP291	N	15	150	30	N	15	N	50	20	15	N
LP292	N	10	70	10	N	N	20	15	10	10	N
LP293	N	N	20	7	70	N	<20	5	15	5	N
LP294	N	10	50	30	50	5	20	20	20	15	N
LP295	N	7	70	20	N	5	<20	15	20	10	N
LP296	N	10	150	30	N	5	<20	30	20	15	N
LP297	N	5	20	7	<20	N	20	7	20	<5	N
LP298	N	5	50	10	N	N	20	10	15	10	N
LP299	N	10	100	20	100	N	20	30	20	15	N
LP300	N	7	30	10	<20	N	20	10	15	5	N
LP301	N	10	150	20	N	N	N	30	15	10	N
LP302	N	20	200	50	150	N	20	70	30	20	N
LP303	N	10	70	7	N	N	20	10	15	10	N
LP304	N	10	50	15	50	N	<20	15	20	10	N
LP305	N	5	30	10	N	<5	N	15	15	5	N
LP306	N	10	70	30	50	N	20	15	10	10	N
LP307	N	10	70	30	50	N	N	20	30	15	N

Table 3.--continued

Sample	Sr- μ m s	V- μ m s	W- μ m s	Y- μ m s	Zn- μ m s	Zr- μ m s	Th- μ m s	AC-TH	AC-U
LP335	300	50	N	20	N	300	N	10.10	3.970
LP336	200	50	N	20	N	500	N	11.40	2.980
LP337	300	30	N	20	N	500	N	15.10	2.740
LP338	300	30	N	20	N	300	N	14.00	3.240
LP339	300	70	N	30	N	200	N	9.06	7.400
LP340	150	50	N	20	N	300	N	17.30	3.900
LP341	150	70	N	20	N	500	N	15.50	4.280
LP342	200	70	N	20	N	300	N	17.80	3.890
LP343	300	50	N	20	N	300	N	12.90	3.420
LP344	300	50	N	20	N	300	N	12.10	3.130
LP345	200	70	N	20	N	700	N	15.40	4.540
LP346	300	50	N	20	N	300	N	15.10	3.710
LP347	200	70	N	30	N	500	N	17.60	3.410
LP348	300	50	N	10	N	70	N	12.80	2.340
LP349	300	70	N	30	N	1,000	100	23.00	5.210
LP350	300	70	N	20	N	500	N	12.30	3.650
LP351	300	100	N	30	N	300	N	16.20	3.280
LP352	200	70	N	15	N	200	N	19.80	4.160
LP353	200	70	N	20	N	500	N	12.20	2.800
LP354	200	70	N	20	N	700	N	16.40	3.710
LP283	200	100	N	20	N	200	N	13.50	3.910
LP284	300	70	N	50	N	700	N	17.10	4.270
LP285	200	100	N	70	N	1,000	N	25.30	5.380
LP286	150	50	N	30	N	1,000	N	15.80	4.240
LP287	500	70	N	50	N	500	N	11.10	4.600
LP288	200	100	N	100	N	1,000	N	45.40	9.430
LP289	200	70	N	100	N	1,000	N	30.40	5.500
LP290	150	70	N	100	N	1,000	N	48.20	6.930
LP291	5,000	100	N	20	N	70	N	22.40	3.710
LP292	500	70	N	70	N	1,000	N	20.20	4.450
LP293	<100	50	N	50	N	700	N	44.60	6.420
LP294	200	100	N	70	N	1,000	N	40.10	7.440
LP295	200	70	N	30	N	500	N	16.30	4.020
LP296	200	100	N	20	N	200	N	10.40	4.660
LP297	200	70	N	50	N	1,000	N	34.70	5.260
LP298	500	100	N	30	N	500	N	13.60	4.120
LP299	300	100	N	100	N	500	N	46.20	7.690
LP300	200	100	N	20	N	1,000	N	22.80	3.990
LP301	200	70	N	30	N	200	N	19.70	4.590
LP302	300	150	N	70	N	700	N	40.80	6.790
LP303	150	70	N	50	N	1,000	N	23.20	3.830
LP304	200	100	N	30	N	700	N	20.20	4.290
LP305	200	70	N	15	N	500	N	10.40	2.970
LP306	200	100	N	50	N	1,000	N	28.20	5.520
LP307	200	100	N	30	N	200	N	14.90	3.960

Table 3.--continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-pptm s	Ag-pptm s	B-pptm s	Ba-pptm s	Be-pptm s
LP308	34 36 16	119 24 4	5.3	.70	1.00	.50	500	N	50	1,000	1.0
LP309	34 36 42	119 26 38	1.5	.50	.50	.30	300	N	30	1,000	1.0
LP310	34 36 58	119 29 7	2.0	.50	1.00	.30	300	N	50	1,000	1.0
LP311	34 32 58	119 31 49	2.0	.50	1.50	.30	500	N	50	1,000	1.0
LP312	34 33 2	119 31 48	1.5	.30	1.00	.30	500	N	30	1,000	1.0
LP313	34 33 27	119 33 25	3.0	1.20	1.50	.50	1,000	N	70	1,000	1.0
LP314	34 34 14	119 33 5	1.5	.50	.70	.20	300	N	30	200	<1.0
LP315	34 35 12	119 31 48	3.0	1.00	2.00	.50	500	N	100	1,000	1.0
LP316	34 35 36	119 29 37	3.0	.70	2.00	.30	700	N	50	1,000	1.0
LP317	34 37 9	119 32 56	5.0	1.00	1.50	.50	700	.5	100	1,000	1.5
LP244	34 53 58	119 1 59	7.0	1.00	2.00	.70	1,000	<.5	70	1,000	1.5
LP246	34 54 40	119 4 53	2.0	.50	1.00	.30	300	N	50	700	1.5
LP247	34 54 40	119 4 48	5.0	.50	.70	.30	700	N	70	700	1.5
LP248	34 54 35	119 4 35	3.0	.50	1.00	.30	500	N	50	1,000	1.0
LP249	34 54 10	119 6 40	5.0	.70	1.00	.50	700	N	100	700	1.0
LP250	34 54 12	119 6 42	7.0	.70	1.50	.50	700	<.5	100	1,000	2.0
LP251	34 53 6	119 5 19	5.0	1.00	2.00	.50	1,000	N	70	500	1.0
LP252	34 53 6	119 5 23	3.0	1.00	1.50	.30	1,000	N	50	500	1.0
LP253	34 53 38	119 5 38	5.0	.50	1.00	.70	1,000	N	150	300	1.5
LP254	34 54 22	119 9 28	5.0	.70	1.00	.50	700	<.5	100	1,000	1.5
LP255	34 53 47	119 9 17	5.0	1.00	1.50	.50	1,000	N	100	1,000	2.0
LP256	34 53 19	119 6 31	5.0	.70	1.50	.30	2,000	N	30	300	<1.0
LP257	34 54 6	119 12 23	7.0	.50	1.50	.50	700	N	30	1,000	1.5
LP258	34 54 1	119 20 21	2.0	.50	1.00	.30	500	N	30	1,000	1.0
LP259	34 54 0	119 20 18	2.0	.50	1.50	.30	700	N	70	1,000	1.5
LP260	34 53 58	119 18 45	1.5	.50	1.50	.30	500	N	50	1,000	1.0
LP261	34 53 59	119 18 42	2.0	.50	1.50	.20	500	N	20	1,000	1.0
LP262	34 52 56	119 15 46	3.0	1.00	1.50	.50	1,000	N	50	1,000	1.5
LP263	34 52 57	119 15 45	2.0	.50	1.00	.30	500	N	70	1,000	2.0
LP264	34 53 11	119 16 30	2.0	.50	.70	.30	500	N	20	1,000	1.0
LP265	34 53 44	119 18 7	1.5	.50	1.00	.30	500	N	30	700	1.0
LP266	34 53 44	119 18 12	5.0	.70	1.50	.50	1,000	N	30	1,000	1.5
LP267	34 53 27	119 17 31	7.0	1.00	1.50	.50	700	N	50	1,000	1.5
LP268	34 53 32	119 17 18	5.0	.70	1.50	.50	500	N	70	1,000	2.0
LP269	34 53 33	119 11 47	3.0	.50	1.00	.50	500	N	100	1,000	1.5
LP270	34 53 36	119 11 37	2.0	.70	1.50	.30	500	<.5	30	1,000	1.5
LP271	34 52 6	118 56 26	5.0	1.00	1.00	.50	1,500	N	30	1,000	2.0
LP272	34 52 6	118 56 28	2.0	1.00	1.00	.50	1,000	N	30	700	1.0
LP273	34 48 37	118 56 10	1.5	.50	7.00	.20	1,000	N	<10	500	1.0
LP274	34 48 56	118 58 2	7.0	.70	1.50	.70	1,500	N	10	1,000	1.5
LP275	34 48 46	118 58 32	7.0	1.00	.70	.50	1,000	N	50	1,000	1.5
LP276	34 48 54	118 59 15	7.0	1.50	2.00	1.00	2,000	N	100	1,000	1.0
LP277	34 48 51	118 54 56	5.0	1.00	1.50	.50	1,500	N	10	1,000	1.0
LP278	34 48 12	118 54 14	7.0	1.00	1.50	.70	2,000	N	10	1,000	1.0
LP279	34 52 20	119 2 0	5.0	1.50	2.00	.50	1,500	N	150	1,000	1.0

Table 3.--continued

Sample	U--ppm s	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	Sn--ppm s
LP308	N	10	30	30	N	N	<20	15	20	10	N
LP309	N	7	30	20	N	N	N	10	<10	7	N
LP310	N	7	30	20	N	<5	N	10	10	7	N
LP311	N	7	70	20	70	<5	20	15	15	7	N
LP312	N	5	70	15	N	N	N	7	<10	5	N
LP313	N	15	150	50	N	N	N	20	10	20	N
LP314	N	5	50	20	N	N	N	15	N	10	N
LP315	N	10	70	20	50	5	20	20	15	10	N
LP316	N	10	150	30	50	5	20	20	20	10	N
LP317	N	10	100	50	50	<5	20	20	30	15	N
LP244	N	15	150	30	50	N	20	30	20	10	N
LP246	N	7	30	20	N	N	<20	10	10	7	N
LP247	N	10	50	30	N	N	20	20	15	10	N
LP248	N	7	30	15	N	N	<20	15	10	7	N
LP249	N	15	70	30	<20	N	20	20	30	15	N
LP250	N	15	50	50	<20	5	20	20	30	10	N
LP251	N	15	150	15	N	N	N	50	10	15	N
LP252	N	10	100	20	N	N	N	30	15	15	N
LP253	N	10	70	30	<20	N	<20	15	20	15	N
LP254	N	10	150	30	50	<5	20	50	30	15	N
LP255	N	10	150	30	50	N	20	50	30	10	N
LP256	N	7	50	20	N	N	20	20	15	10	N
LP257	N	10	70	30	70	N	20	20	20	7	N
LP258	N	5	50	10	N	N	20	10	15	7	N
LP259	N	7	30	20	50	5	20	15	20	7	N
LP260	N	5	20	10	<20	7	<20	10	10	5	N
LP261	N	5	20	7	N	N	N	7	10	5	N
LP262	N	10	70	30	70	<5	20	20	20	10	N
LP263	N	5	15	7	N	N	20	5	15	5	N
LP264	N	5	50	10	N	10	<20	15	10	5	N
LP265	N	7	50	10	N	5	N	15	10	7	N
LP266	N	7	50	15	50	N	20	15	15	7	N
LP267	N	15	100	30	70	5	20	50	20	15	N
LP268	N	10	100	20	N	<5	20	30	10	10	N
LP269	N	7	70	20	N	N	<20	15	15	10	N
LP270	N	5	30	7	<20	N	<20	10	10	5	N
LP271	N	10	70	15	70	N	20	15	50	10	N
LP272	N	5	50	10	<20	N	<20	10	20	5	N
LP273	N	5	70	20	N	N	N	15	15	10	N
LP274	N	15	100	30	100	<5	20	20	15	15	N
LP275	N	15	150	30	50	N	<20	50	20	10	N
LP276	N	20	200	50	100	N	30	50	20	30	N
LP277	N	20	150	30	<20	N	<20	30	20	20	N
LP278	N	15	150	30	<20	<5	20	30	20	15	N
LP279	N	15	200	30	<20	5	20	50	15	15	N

Table 3.--continued

Sample	Sr-ppm s	V-ppm s	W-ppm s	Y-μm s	Zn-ppm s	Zr-ppm s	Th-ppm s	AC-TH	AC-U
LP308	200	100	N	20	N	150	N	16.80	4.300
LP309	N	70	N	15	N	100	N	21.10	4.360
LP310	200	70	N	30	N	300	N	15.00	4.110
LP311	200	70	N	20	N	300	N	14.60	3.420
LP312	150	70	N	15	N	300	N	13.20	3.600
LP313	<100	100	N	15	N	100	N	5.80	1.770
LP314	N	100	N	15	N	150	N	2.90	.998
LP315	300	100	N	20	N	300	N	14.00	3.810
LP316	300	100	N	30	N	500	N	14.70	4.090
LP317	300	150	N	30	N	150	N	21.90	4.040
LP244	200	100	N	30	N	300	N	10.00	3.700
LP246	200	70	N	20	N	300	N	9.81	3.800
LP247	150	100	N	20	N	200	N	9.05	4.860
LP248	200	70	N	20	N	1,000	N	11.50	3.720
LP249	150	100	N	20	N	300	N	12.70	4.590
LP250	200	100	N	30	N	300	N	13.90	4.230
LP251	300	100	N	20	N	150	N	<2.10	2.170
LP252	200	70	N	20	N	200	N	<2.40	3.230
LP253	<100	150	N	30	N	700	N	8.93	4.130
LP254	150	100	N	30	N	500	N	9.75	5.870
LP255	200	70	N	30	N	200	N	14.60	5.880
LP256	300	70	N	20	N	70	N	<2.10	2.750
LP257	300	150	N	50	N	1,000	N	29.00	4.370
LP258	200	70	N	20	N	500	N	11.50	4.470
LP259	300	70	N	70	N	300	N	13.90	4.090
LP260	300	50	N	20	N	300	N	8.47	3.590
LP261	200	70	N	15	N	200	N	9.08	2.090
LP262	200	100	N	30	N	500	N	30.40	4.330
LP263	<100	50	N	20	N	200	N	21.60	7.320
LP264	150	70	N	20	N	500	N	16.70	4.770
LP265	200	50	N	20	N	300	N	13.30	2.790
LP266	300	70	N	30	N	300	N	22.70	2.970
LP267	300	100	N	50	N	200	N	17.60	4.160
LP268	150	100	N	20	N	200	N	13.80	4.580
LP269	200	100	N	20	N	300	N	19.30	4.700
LP270	200	50	N	20	N	300	N	24.70	6.180
LP271	200	100	N	30	N	500	N	20.60	5.210
LP272	1,000	50	N	30	N	200	N	18.00	4.610
LP273	<100	70	N	30	N	70	N	7.14	1.530
LP274	150	100	N	70	N	1,000	N	32.50	7.110
LP275	150	100	N	30	N	500	N	14.80	3.710
LP276	200	100	N	70	N	1,000	N	61.90	6.540
LP277	200	100	N	50	N	500	N	9.97	1.980
LP278	200	100	N	50	N	1,000	N	25.40	4.420
LP279	200	100	N	30	N	500	N	10.40	2.580

Table 3.--continued

Sample	Latitude	Longitude	Fe-ppt. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppt. s	Au-ppt. s	B-ppt. s	Ba-ppt. s	Be-ppt. s
LP280	34 52 12	119 1 58	2.0	.50	.70	.50	1,500	<.5	50	1,000	1.5
LP281	34 52 29	119 1 38	3.0	1.00	1.00	.50	700	N	70	1,000	1.0
LP282	34 50 47	119 5 29	5.0	1.00	1.50	.50	1,000	N	50	1,000	1.0
LP425	35 10 16	120 17 37	1.5	.30	.20	.20	200	N	20	700	1.5
LP426	35 10 57	120 16 0	2.0	.50	.50	.20	300	N	50	700	2.0
LP427	35 15 36	120 15 30	1.5	.30	.15	.20	500	N	20	700	1.5
LP428	35 15 25	120 18 12	2.0	.50	.20	.50	500	N	30	700	2.0
LP429	35 17 10	120 19 44	5.0	.30	.15	.30	700	N	20	1,000	1.5
LP430	35 17 12	120 21 9	7.0	.30	.15	.50	500	N	10	1,000	1.0
LP431	35 17 3	120 22 24	2.0	.50	.15	.30	300	N	20	1,000	2.0
LP432	35 17 14	120 23 32	1.5	.30	.20	.20	300	N	15	1,000	1.5
LP433	35 15 29	120 23 38	2.0	1.00	.50	.20	500	N	30	1,000	1.5
LP434	35 15 28	120 23 42	2.0	1.00	.70	.30	500	N	100	1,000	1.5
LP435	35 19 19	120 19 26	7.0	.20	.70	.30	500	N	10	700	1.0
LP436	35 18 18	120 18 11	1.5	.30	.30	.50	200	N	20	1,000	2.0
LP437	35 17 21	120 17 13	2.0	.50	.70	.50	300	N	70	2,000	2.0
LP438	35 17 7	120 15 57	2.0	.50	.15	.30	200	N	30	1,000	1.5
LP439	35 19 24	120 14 45	1.5	.50	.20	.50	200	N	30	1,000	1.5
LP440	35 20 0	120 20 0	5.0	.50	1.00	.30	500	<.5	15	1,000	2.0
LP441	35 20 14	120 20 53	7.0	.30	.50	.50	700	N	10	700	1.5
LP442	35 22 10	120 18 27	3.0	.50	1.00	.50	1,000	N	10	500	2.0
LP443	35 20 13	120 18 15	2.0	.70	1.00	.30	700	N	15	700	1.0
LP444	35 20 43	120 16 9	7.0	.50	.30	.50	1,000	N	20	700	1.5
LP445	35 20 4	120 12 50	5.0	1.00	1.00	.50	1,000	N	10	700	1.5
LP446	35 19 36	120 11 53	7.0	.70	1.50	.50	1,500	N	10	500	2.0
LP447	35 18 57	120 10 54	3.0	.50	.50	.30	300	N	20	1,000	1.5
LP448	35 19 13	120 9 47	10.0	.30	.50	.70	500	N	20	700	1.5
LP449	35 17 16	120 10 31	1.5	.20	.10	.20	150	N	20	500	1.5
LP450	35 16 21	120 10 4	2.0	.30	.50	.20	150	N	30	700	1.5
LP451	35 15 58	120 8 55	2.0	.70	.70	.30	200	<.5	50	500	2.0
LP452	35 16 14	120 8 21	1.5	.30	.10	.20	300	N	30	500	1.5
LP453	35 23 12	120 24 3	10.0	.30	.70	.30	500	N	10	700	1.5
LP454	35 23 38	120 24 27	7.0	.50	1.00	.50	700	N	10	700	2.0
LP455	35 24 9	120 26 29	20.0	.15	.10	1.00	700	.7	15	300	2.0
LP456	35 25 17	120 26 6	1.0	.10	.50	.10	200	<.5	10	1,500	1.0
LP457	35 26 19	120 22 54	.7	.07	1.00	.10	100	N	10	1,000	1.5
LP458	35 26 26	120 23 20	5.0	.30	.70	.30	500	N	10	700	2.0
LP459	35 25 56	120 21 21	10.0	.30	1.00	.50	1,000	N	10	500	2.0
LP460	35 25 40	120 20 56	15.0	.30	1.00	.70	1,000	N	10	500	2.0
LP461	35 24 37	120 19 26	7.0	.50	1.50	.20	500	N	20	500	1.5
LP462	35 24 32	120 18 58	7.0	.30	.70	.30	700	N	15	500	2.0
LP463	35 20 17	120 35 25	1.5	.50	1.50	.20	200	.5	15	700	1.5
LP464	35 20 11	120 35 11	.7	.20	.50	.15	300	.5	10	300	1.0
LP465	35 15 39	120 30 44	3.0	1.00	1.00	.30	700	<.5	50	1,000	1.5
LP466	35 15 39	120 30 49	1.5	.50	1.00	.20	500	.5	50	1,000	1.0

Table 3.--continued

Sample	Al-ppm s	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	Sn-ppm s
LP280	N	7	50	20	N	N	<20	20	20	7	N
LP281	N	7	70	20	N	N	<20	20	10	10	N
LP282	N	10	150	20	70	N	20	30	15	15	N
LP425	N	5	15	10	<20	N	<20	10	5	5	N
LP426	N	7	30	20	<20	N	<20	15	15	7	N
LP427	N	7	20	15	<20	N	<20	15	15	5	N
LP428	N	10	30	20	50	N	<20	15	20	10	N
LP429	N	10	50	15	70	N	<20	15	20	7	N
LP430	<10	10	50	7	100	N	20	10	20	10	N
LF431	N	7	30	10	50	N	<20	10	15	7	N
LF432	N	5	20	7	50	N	<20	7	15	5	N
LP433	N	15	200	10	<20	N	<20	150	15	5	N
LP434	N	15	200	20	<20	N	<20	100	10	10	N
LP435	<10	10	70	7	150	N	20	7	15	5	N
LP436	N	5	30	10	<20	N	20	10	10	7	N
LF437	N	10	50	20	50	N	20	20	30	7	N
LP438	N	7	50	10	70	N	20	15	15	7	N
LP439	N	7	50	15	50	N	<20	15	15	7	N
LP440	N	5	30	5	<20	N	<20	7	20	5	N
LP441	<10	10	150	7	200	N	20	15	10	7	N
LF442	N	7	15	10	<20	N	<20	7	15	10	N
LP443	N	10	50	20	50	N	<20	20	10	10	N
LP444	<10	20	70	30	<20	N	<20	15	20	10	N
LP445	N	15	70	30	100	N	20	20	15	15	N
LP446	N	15	30	15	100	N	30	7	10	15	N
LP447	N	5	20	10	50	N	<20	10	10	7	N
LP448	<10	10	70	7	100	N	30	15	20	15	N
LP449	N	<5	20	7	<20	N	N	10	10	5	N
LP450	N	<5	50	15	<20	N	<20	15	10	5	N
LP451	N	7	100	20	<20	N	<20	20	20	10	N
LP452	N	5	30	10	100	N	<20	7	15	5	N
LP453	<10	7	20	7	300	N	20	5	15	5	N
LP454	N	7	30	10	50	N	20	5	20	7	N
LP455	<10	20	150	15	200	N	30	10	30	7	<10
LP456	N	<5	<10	<5	<20	N	<20	<5	15	<5	N
LP457	N	<5	<10	<5	<20	N	N	<5	10	N	N
LP458	N	5	10	5	70	N	<20	5	20	5	N
LP459	<10	10	30	7	100	N	20	7	30	7	N
LP460	<10	15	70	10	100	N	20	10	20	5	N
LP461	<10	10	20	7	70	N	20	5	20	<5	N
LP462	<10	10	20	15	70	N	20	5	15	5	N
LP463	N	5	100	20	50	15	N	50	<10	5	N
LP464	N	7	100	30	70	10	N	70	<10	<5	N
LP465	N	10	100	5	50	5	<20	50	20	7	N
LP466	N	7	70	15	<20	10	<20	50	10	5	N

Table 3.--continued

Sample	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s	AC-TH	AC-U
LP280	<100	70	N	20	N	150	N	16.30	4.260
LP281	<100	70	N	15	N	200	N	12.00	3.470
LP282	200	100	N	50	N	300	N	17.80	3.440
LP425	150	50	N	15	N	150	N	18.00	4.450
LP426	200	70	N	20	N	200	N	16.70	4.160
LP427	150	50	N	20	<200	300	N	15.60	3.770
LP428	150	100	N	30	<200	300	N	22.80	4.980
LP429	150	150	N	50	N	700	N	77.30	9.810
LP430	<100	150	<50	300	N	>1,000	N	113.00	13.600
LP431	<100	70	N	20	N	300	N	16.10	5.240
LP432	150	50	N	15	N	200	N	15.50	4.510
LP433	150	70	N	100	N	200	N	7.92	3.280
LP434	<100	100	N	15	N	150	N	5.60	4.090
LP435	<100	300	<50	500	N	500	<100	58.00	8.860
LP436	200	70	N	15	N	300	N	9.24	4.480
LP437	300	70	N	30	N	200	N	10.00	4.040
LP438	200	70	N	50	N	700	N	12.20	4.320
LP439	200	50	N	20	N	300	N	13.60	4.410
LP440	500	100	N	15	N	500	N	27.30	4.900
LP441	300	300	<50	30	N	1,000	N	75.40	9.980
LP442	<100	100	N	20	N	500	N	15.80	5.400
LP443	500	100	N	30	N	150	N	14.80	3.910
LP444	<100	200	<50	30	N	300	N	28.00	6.040
LP445	150	100	<50	50	N	200	N	21.80	7.180
LP446	200	200	<50	100	N	300	N	37.00	12.700
LP447	150	70	N	50	N	300	N	20.80	4.750
LP448	150	200	<50	100	N	1,000	N	55.70	10.300
LP449	N	50	N	15	N	200	N	15.40	3.650
LP450	<100	70	N	15	N	300	N	14.00	3.370
LP451	150	100	N	20	N	200	N	15.10	4.210
LP452	<100	70	N	50	N	300	200	28.20	6.060
LP453	200	200	<50	70	N	700	<100	56.40	7.980
LP454	300	100	<50	20	N	500	N	31.00	7.210
LP455	<100	700	<50	50	500	1,000	<100	165.00	27.400
LP456	300	20	N	<10	N	200	N	6.17	1.140
LP457	500	15	N	10	N	150	N	4.95	1.270
LP458	300	70	N	70	<200	300	N	33.20	3.730
LP459	300	200	<50	30	200	500	N	48.50	10.200
LP460	300	300	<50	30	300	700	N	51.10	10.100
LP461	300	100	N	20	<200	300	N	--	--
LP462	300	150	<50	20	<200	300	N	30.10	11.700
LP463	<100	100	N	20	200	100	N	11.10	7.560
LP464	N	70	N	15	200	50	N	7.50	4.580
LP465	200	100	N	20	<200	300	N	11.00	5.140
LP466	<100	100	N	20	<200	500	N	8.42	4.880

Table 3.--continued

Sample	Latitude	Longitude	Fe-ppt. s	Mg-ppt. s	Ca-ppt. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	B-ppm s	Ba-ppm s	Be-ppm s
LP467	35 14 43	120 23 1	2.0	.70	2.00	.20	500	N	70	1,000	1.5
LP468	35 14 24	120 22 57	3.0	1.00	.50	.30	700	<.5	100	700	1.0
LP469	35 12 47	120 26 52	1.0	.30	1.50	.15	200	<.5	30	1,000	1.5
LP470	35 13 38	120 27 29	1.0	.20	.70	.15	150	<.5	30	500	1.5
LP471	35 14 48	120 29 11	5.0	1.00	.70	.50	500	N	70	700	1.5
LP472	35 15 16	120 29 55	1.5	.50	1.50	.15	200	.5	20	300	<1.0
LP473	35 17 12	120 32 36	1.5	.30	2.00	.20	300	N	20	500	1.0
LP474	35 17 15	120 32 39	2.0	.70	1.00	.50	1,000	<.5	50	700	1.0
LP394	35 5 58	120 17 30	5.0	.70	.50	.50	700	.5	100	700	1.0
LP395	35 4 53	120 15 47	5.0	1.50	5.00	.30	2,000	N	10	700	<1.0
LP396	35 5 38	120 14 23	2.0	1.00	3.00	.30	500	N	70	300	1.0
LP397	35 5 47	120 14 2	2.0	.70	.50	.30	500	N	50	500	1.0
LP398	35 6 9	120 13 54	3.0	.50	.70	.50	700	N	70	1,000	2.0
LP399	35 7 28	120 12 28	1.5	.50	5.00	.30	500	N	50	700	1.5
LP400	34 56 19	120 11 7	.5	.30	1.00	.15	150	<.5	15	300	1.0
LP401	35 7 29	120 12 23	1.5	.70	.70	.50	500	<.5	100	700	1.5
LP402	35 7 55	120 13 9	2.0	.70	.50	.30	500	<.5	70	1,000	1.5
LP403	35 7 54	120 11 32	1.5	.50	5.00	.20	300	<.5	50	500	1.0
LP404	35 8 45	120 10 48	2.0	.50	.50	.30	300	N	20	1,000	1.5
LP405	35 9 29	120 9 51	5.0	.70	1.00	.50	700	N	50	1,000	2.0
LP406	35 10 19	120 11 12	1.5	.50	.70	.20	300	N	30	700	2.0
LP407	35 10 18	120 11 16	2.0	.50	.70	.30	1,000	N	50	1,000	2.0
LP408	35 8 43	120 8 41	5.0	.70	5.00	.50	300	N	50	1,000	1.5
LP409	35 8 42	120 8 46	2.0	.50	1.00	.50	500	N	30	700	2.0
LP410	35 9 12	120 7 0	1.5	.50	1.00	.30	300	N	20	500	1.5
LP411	35 8 34	120 6 41	2.0	.50	1.50	.30	300	<.5	30	1,000	2.0
LP412	35 8 32	120 6 37	2.0	.50	1.00	.30	500	N	20	700	1.5
LP413	35 7 53	120 5 13	5.0	.70	.50	.50	1,000	N	30	1,000	2.0
LP414	35 7 59	120 5 51	3.0	.70	1.00	.50	500	N	50	700	2.0
LP415	35 6 37	120 3 12	1.5	.50	2.00	.30	700	N	50	700	1.5
LP416	35 6 56	120 2 40	2.0	.70	.50	.30	300	N	70	700	2.0
LP417	35 14 32	120 12 6	2.0	.50	.70	.30	300	N	70	1,000	1.5
LP418	35 14 35	120 14 1	1.0	.30	.20	.20	200	N	30	500	1.5
LP419	35 14 34	120 14 5	3.0	.50	.30	.30	300	<.5	70	700	1.5
LP420	35 12 36	120 15 32	2.0	.50	.20	.30	500	N	50	700	1.5
LP421	35 13 43	120 17 28	2.0	.50	.70	.30	500	N	50	1,000	1.5
LP422	35 14 11	120 19 48	1.5	.20	.70	.30	500	N	30	1,000	1.5
LP423	35 14 35	120 20 29	1.5	.30	.30	.30	500	N	20	700	2.0
LP424	35 11 18	120 18 18	2.0	.70	.70	.30	500	<.5	70	1,500	1.5
LP005	34 46 15	118 56 41	10.0	5.00	>20.00	1.00	2,000	N	20	500	2.0
LP006	34 46 15	118 56 44	10.0	2.00	5.00	1.00	2,000	N	20	1,000	5.0
LP008	34 45 50	118 56 39	15.0	3.00	7.00	>1.00	5,000	N	500	1,500	3.0
LP010	34 41 13	118 54 9	10.0	3.00	10.00	1.00	3,000	N	100	1,500	5.0
LP390	34 59 44	120 7 4	.7	.70	1.50	.20	500	N	30	1,000	1.0
LP391	35 1 14	120 6 59	2.0	.70	15.00	.20	500	N	50	500	1.0

Table 3.--continued

Sample	Li- μ m s	Co- μ m 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	Sn-ppm s
LP467	N	10	150	20	50	N	N	50	15	10	N
LP468	N	15	200	50	70	N	N	100	20	10	N
LP469	N	<5	100	7	N	<5	<20	15	15	<5	N
LP470	N	<5	20	7	50	10	N	10	<10	<5	N
LP471	N	15	500	30	<20	N	<20	150	20	15	N
LP472	N	<5	70	20	<20	15	N	30	15	5	N
LP473	N	5	50	10	<20	5	N	15	15	7	N
LP474	N	15	100	20	<20	10	<20	70	20	10	N
LP394	N	15	150	50	50	N	<20	50	15	15	N
LP395	N	15	300	70	50	N	N	70	10	30	N
LP396	N	10	200	20	50	<5	N	30	<10	10	N
LP397	N	10	300	20	50	N	N	20	10	10	N
LP398	N	7	50	15	150	<5	<20	15	20	7	N
LP399	N	5	20	10	50	N	<20	15	15	7	N
LP400	N	N	100	10	50	7	N	20	<10	5	N
LP401	N	10	100	20	50	<5	<20	30	20	7	N
LP402	N	7	70	15	50	N	<20	30	15	7	N
LP403	N	5	50	15	70	N	<20	15	10	5	N
LP404	N	7	30	10	70	N	<20	10	15	5	N
LP405	N	10	50	20	70	<5	20	15	20	10	N
LP406	N	5	20	10	50	N	N	10	10	5	N
LP407	N	5	20	15	70	N	<20	7	15	7	N
LP408	N	7	50	30	150	N	<20	10	30	15	N
LP409	N	7	30	15	50	N	<20	15	10	10	N
LP410	N	<5	20	10	<20	N	<20	7	10	7	N
LP411	N	5	30	15	50	<5	<20	15	15	7	N
LP412	N	5	30	10	50	<5	<20	10	10	7	N
LP413	N	10	50	20	70	N	<20	20	20	10	N
LP414	N	10	50	30	50	N	<20	15	20	10	N
LP415	N	5	70	10	70	10	<20	20	15	7	N
LP416	N	10	50	20	50	<5	<20	15	20	10	N
LP417	N	7	70	15	50	N	<20	20	15	10	N
LP418	N	<5	30	7	N	N	N	10	<10	5	N
LP419	N	5	50	15	50	<5	<20	20	20	10	N
LP420	N	7	200	15	50	N	<20	15	15	7	N
LP421	N	5	20	15	50	N	<20	7	15	5	N
LP422	N	5	30	10	50	N	<20	5	15	5	N
LP423	N	5	20	7	50	<5	<20	5	10	7	N
LP424	N	10	30	30	70	N	<20	15	20	10	N
LP005	N	20	200	20	70	N	<20	50	30	20	N
LP006	N	30	200	100	70	N	20	50	30	30	N
LP008	N	50	200	70	100	N	30	50	50	30	N
LP010	N	30	200	70	50	N	<20	50	50	20	N
LP390	N	<5	150	7	N	N	N	10	5	5	N
LP391	N	5	50	15	50	N	<20	20	15	7	N

Table 3.--continued

Sample	Sr- μ m s	V- μ m s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s	AC-TH	AC-U
LP467	200	70	N	20	<200	200	N	11.70	3.490
LP468	<100	150	N	20	<200	100	N	10.10	3.350
LP469	300	30	N	15	N	200	N	5.93	2.140
LP470	200	30	N	15	N	300	N	14.60	4.350
LP471	200	100	N	20	200	300	N	8.11	4.730
LP472	N	100	N	10	200	70	N	6.10	3.970
LP473	200	70	N	15	<200	500	N	9.28	4.340
LP474	<100	150	N	20	200	500	N	7.21	5.050
LP394	N	150	N	20	N	200	N	<2.50	4.430
LP395	<100	200	N	30	N	50	N	<1.90	3.760
LP396	H	100	N	10	N	300	N	<2.50	3.350
LP397	H	100	N	15	N	200	N	<2.90	5.070
LP398	200	100	N	50	N	700	N	20.10	6.440
LP399	500	70	N	20	N	300	N	13.20	4.260
LP400	H	70	N	15	N	100	N	7.00	5.970
LP401	<100	100	N	20	N	700	N	6.30	6.040
LP402	200	100	N	20	N	300	N	<3.30	6.760
LP403	200	70	N	20	N	200	N	6.40	4.430
LP404	200	70	N	50	N	500	N	5.40	4.670
LP405	300	100	N	50	N	500	N	7.82	6.800
LP406	200	70	N	15	N	300	N	<3.40	7.210
LP407	200	70	N	15	N	300	N	17.60	4.140
LP408	500	100	N	70	N	1,000	N	22.80	5.250
LP409	200	70	N	20	N	300	N	24.10	5.510
LP410	<100	70	N	30	N	700	N	23.20	4.590
LP411	<100	70	N	20	N	200	N	20.20	4.290
LP412	<100	70	N	20	N	700	N	48.50	7.080
LP413	150	100	N	50	N	500	N	33.10	5.370
LP414	150	100	N	50	N	500	N	24.40	4.990
LP415	200	100	N	30	N	700	N	22.80	8.450
LP416	N	70	N	50	N	500	N	27.00	4.800
LP417	H	70	N	20	N	200	N	16.40	3.910
LP418	H	50	N	15	N	100	N	14.60	3.530
LP419	<100	70	N	20	N	100	N	15.50	3.590
LP420	150	70	N	20	N	200	N	19.20	4.290
LP421	150	70	N	15	N	300	N	24.60	3.940
LP422	150	50	N	15	N	200	N	24.70	4.430
LP423	150	70	N	15	N	300	N	22.90	4.440
LP424	200	100	N	20	N	200	N	16.80	3.790
LP425	500	N	N	70	200	300	N	--	--
LP406	500	200	N	70	<200	500	N	--	--
LP408	300	300	N	100	200	500	N	--	--
LP410	500	200	N	70	N	200	N	--	--
LP390	H	50	N	15	N	1,000	N	--	--
LP391	500	70	N	20	N	100	N	--	--

Table 3.--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
LP392	35 0 47	120 7 11	2.0	.30	.30	.30	300	N	70	500	1.5
LP393	35 4 50	120 16 56	2.0	.50	.70	.30	500	N	70	500	1.5

Sample	Bi-ppm s	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	Sn-ppm s
LP392	N	7	30	10	50	N	<20	15	<10	7	N
LP393	N	10	150	30	50	N	<20	30	<10	10	N

Sample	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s	AC-TH	AC-U
LP392	<100	70	N	15	N	300	N	--	--
LP393	H	100	N	15	N	300	N	--	--

Table 4.--Analytical data from heavy-mineral concentrates from roadless areas and the Santa Lucia Wilderness in the Los Padres National Forest, southwestern California
 [N, not detected; <, detected but below the limit of determination shown; >, determined to be greater than the value shown; H, interfering spectra render analytical lines unusable.]

Sample	Latitude	Longitude	Fe-pct. S	Mg-pct. S	Ca-pct. S	Ti-pct. S	Mn-ppm S	Ag-ppm S	As-ppm S	Au-ppm S	B-ppm S	Ba-ppm S
LP005C	34 40 15	118 56 41	5.0	1.00	20.00	1.0	2,000	N	N	N	20	500
LP006C	34 40 15	118 56 44	10.0	.70	20.00	1.0	2,000	10	N	200	20	500
LP008C	34 45 50	118 56 39	7.0	.50	20.00	1.0	1,500	7	N	N	20	500
LP010C	34 41 13	118 54 9	1.0	.20	20.00	>2.0	1,000	N	N	N	20	500
LP136C	34 33 48	119 3 6	.7	.07	.70	2.0	500	N	N	N	20	>10,000
LP137C	34 34 56	118 44 55	.7	.07	20.00	2.0	500	N	N	N	<20	1,000
LP138C	34 32 41	118 42 58	1.0	.15	10.00	2.0	700	N	N	N	20	7,000
LP139C	34 30 59	118 44 12	.5	.07	7.00	2.0	500	N	N	N	<20	10,000
LP140C	34 32 13	118 45 29	1.0	.05	1.00	2.0	500	N	N	N	20	5,000
LP141C	34 32 30	118 45 56	1.0	2.00	5.00	2.0	1,000	N	N	N	2,000	5,000
LP142C	34 34 4	118 46 45	1.0	.15	2.00	2.0	500	N	N	N	50	10,000
LP143C	34 34 32	118 46 27	.5	.10	20.00	2.0	1,000	N	N	N	<20	1,500
LP144C	34 31 52	118 48 7	.3	.07	10.00	2.0	500	N	N	N	<20	7,000
LP145C	34 32 56	118 48 12	.5	1.50	5.00	>2.0	700	N	N	N	100	7,000
LP146C	34 31 22	118 45 32	.5	.15	10.00	2.0	700	N	N	N	20	7,000
LP147C	34 36 34	118 48 35	.7	.15	10.00	>2.0	1,000	N	N	N	200	7,000
LP148C	34 36 31	118 49 52	.7	.50	7.00	>2.0	1,000	N	N	N	300	7,000
LP149C	34 35 52	118 47 29	.5	.20	2.00	2.0	300	N	N	N	300	5,000
LP150C	34 26 57	119 3 21	.7	.15	3.00	>2.0	700	N	N	N	20	>10,000
LP151C	34 34 57	118 46 38	.5	.50	3.00	>2.0	500	N	N	N	150	5,000
LP152C	34 26 55	119 3 19	.5	.05	2.00	>2.0	300	N	N	N	<20	>10,000
LP153C	34 26 59	119 1 32	.5	.10	3.00	>2.0	700	N	N	N	20	>10,000
LP154C	34 27 46	119 3 17	.5	.15	3.00	>2.0	1,000	N	N	N	20	>10,000
LP155C	34 27 53	119 3 18	2.0	.10	3.00	>2.0	500	N	N	N	30	>10,000
LP156C	34 29 23	119 3 17	1.0	.10	.50	1.5	500	N	N	N	20	>10,000
LP159C	34 42 19	119 10 25	.5	.05	2.00	>2.0	500	N	N	N	20	3,000
LP160C	34 42 27	119 12 10	.5	<.05	.70	2.0	150	N	N	N	<20	5,000
LP161C	34 42 27	119 13 26	1.0	.07	2.00	2.0	300	N	N	N	20	>10,000
LP162C	34 41 54	119 13 52	1.0	.05	.15	2.0	200	N	N	N	20	>10,000
LP163C	34 41 38	119 11 8	.5	.05	.50	>2.0	300	N	N	N	20	2,000
LP164C	34 40 10	119 13 53	1.0	.07	.50	2.0	1,000	N	N	N	20	2,000
LP165C	34 40 42	119 12 56	1.0	.10	2.00	>2.0	1,000	N	N	N	30	7,000
LP166C	34 40 46	119 12 52	.5	<.05	.70	2.0	200	N	N	N	20	3,000
LP167C	34 39 40	119 8 55	.7	.07	1.00	2.0	500	N	N	N	<20	7,000
LP168C	34 39 22	119 10 6	.5	.07	2.00	2.0	700	N	N	N	50	700
LP169C	34 38 20	119 10 3	3.0	.20	.30	>2.0	5,000	N	N	N	200	7,000
LP170C	34 38 10	119 7 43	1.0	.07	1.00	>2.0	700	N	N	N	20	7,000
LP171C	34 38 18	119 7 40	.7	.05	.30	>2.0	1,000	N	N	N	<20	5,000
LP172C	34 49 33	119 19 54	.5	.05	1.00	2.0	500	N	N	N	20	>10,000
LP173C	34 49 42	119 18 56	.3	.05	3.00	>2.0	700	N	N	N	20	>10,000
LP174C	34 50 15	119 17 53	.3	.07	3.00	>2.0	500	N	N	N	20	>10,000
LP175C	34 50 30	119 16 45	.7	.10	3.00	>2.0	1,000	N	N	N	30	>10,000
LP176C	34 49 6	119 16 4	.2	.05	3.00	>2.0	500	N	N	N	<20	>10,000
LP177C	34 40 49	119 19 6	.5	.10	3.00	>2.0	700	N	N	N	20	1,000
LP178C	34 47 39	119 22 44	.5	.07	5.00	>2.0	1,000	N	N	N	<20	700

Table 4.--continued

Sample	Be-ppm s	Li-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
LP005C	2	30	N	20	100	70	1,000	N	<50	50	200
LP006C	<2	50	N	70	100	200	2,000	30	50	70	100
LP008C	<2	500	N	70	70	100	1,500	N	<50	70	500
LP010C	2	200	N	30	70	20	20	N	70	30	100
LP136C	<2	N	N	N	300	10	150	N	150	20	50
LP137C	N	100	N	30	<20	<10	150	N	70	N	<20
LP138C	<2	<20	N	20	30	20	500	<10	70	15	300
LP139C	N	N	N	N	20	<10	300	N	70	N	<20
LP140C	<2	N	N	N	20	20	200	N	70	20	50
LP141C	<2	N	N	N	100	<10	200	<10	200	10	20
LP142C	<2	N	N	N	20	10	100	N	150	15	30
LP143C	N	N	N	15	20	15	200	N	70	<10	50
LP144C	<2	N	N	N	30	<10	200	N	100	N	30
LP145C	N	N	N	N	70	<10	200	10	200	<10	<20
LP146C	<2	N	N	N	30	<10	200	N	70	N	50
LP147C	<2	<20	N	10	30	<10	200	15	200	<10	30
LP148C	N	N	N	N	50	<10	200	10	200	10	20
LP149C	<2	N	N	N	20	<10	<50	N	100	N	20
LP150C	2	N	N	N	50	<10	100	<10	70	10	70
LP151C	N	N	N	N	50	<10	100	N	150	10	70
LP152C	<2	N	N	N	30	<10	<50	N	50	10	30
LP153C	<2	N	N	N	70	<10	100	N	100	<10	70
LP154C	<2	N	N	N	50	<10	150	N	<50	N	50
LP155C	2	N	N	<10	30	15	100	10	200	50	70
LP156C	<2	N	N	N	20	10	<50	N	50	<10	<20
LP159C	<2	N	N	N	20	<10	100	N	70	15	50
LP160C	<2	N	N	<10	20	<10	<50	N	70	15	50
LP161C	<2	N	N	N	20	<10	300	N	70	10	20
LP162C	2	N	N	N	20	10	200	N	50	20	50
LP163C	<2	N	N	N	30	<10	150	N	70	10	30
LP164C	<2	N	N	N	20	<10	<50	N	100	N	<20
LP165C	<2	N	N	N	<20	<10	200	<10	70	<10	30
LP166C	<2	N	N	N	<20	<10	<50	N	50	10	50
LP167C	<2	N	N	N	20	<10	<50	N	70	10	20
LP168C	<2	N	N	N	20	<10	200	N	70	10	50
LP169C	3	N	N	10	70	20	1,500	<10	150	10	100
LP170C	<2	N	N	N	20	10	100	N	70	10	30
LP171C	<2	N	N	N	20	<10	<50	N	<50	10	30
LP172C	N	N	N	N	20	<10	<50	N	50	15	50
LP173C	<2	N	N	N	50	<10	200	<10	70	<10	30
LP174C	N	N	N	N	30	<10	150	N	100	10	50
LP175C	<2	N	N	N	70	<10	200	N	100	10	30
LP176C	N	N	N	N	50	<10	100	N	50	10	30
LP177C	N	N	N	N	30	<10	200	10	100	<10	20
LP178C	N	N	N	N	20	<10	300	15	100	N	20

Table 4.--continued

Sample	Sub-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
LP115C	N	70	N	500	200	N	1,000	N	>2,000	200
LP116C	N	100	N	700	200	N	1,500	N	>2,000	700
LP118C	N	70	20	700	150	100	1,500	N	>2,000	700
LP119C	N	50	<20	200	200	<100	700	N	>2,000	<200
LP136C	N	50	<20	700	100	N	200	500	>2,000	200
LP137C	N	<10	N	700	50	N	200	N	>2,000	<200
LP138C	N	20	N	500	70	N	300	N	>2,000	200
LP139C	N	15	N	700	70	N	200	N	>2,000	<200
LP140C	N	70	N	1,000	100	N	500	500	>2,000	<200
LP141C	N	15	30	500	150	N	200	N	>2,000	N
LP142C	N	50	N	700	100	N	300	<500	>2,000	<200
LP143C	N	30	N	500	100	N	500	N	>2,000	300
LP144C	N	15	N	500	70	N	200	N	>2,000	N
LP145C	N	15	30	500	200	N	200	N	>2,000	200
LP146C	N	20	N	5,000	70	N	300	N	>2,000	N
LP147C	N	15	30	<200	100	200	700	N	>2,000	500
LP148C	N	10	30	N	150	N	300	N	>2,000	200
LP149C	N	<10	N	300	70	N	100	N	>2,000	N
LP150C	N	50	N	700	150	N	300	500	>2,000	N
LP151C	N	30	<20	500	150	N	300	N	>2,000	200
LP152C	N	20	<20	700	100	N	200	<500	>2,000	<200
LP153C	N	30	N	700	200	N	500	<500	>2,000	<200
LP154C	N	30	N	700	150	N	500	N	>2,000	<200
LP155C	N	30	N	700	150	N	300	<500	>2,000	300
LP156C	N	<10	N	300	50	N	100	N	>2,000	N
LP159C	N	70	N	300	150	N	500	500	>2,000	<200
LP160C	N	50	<20	500	100	N	700	500	>2,000	<200
LP161C	N	30	N	700	100	N	500	<500	>2,000	300
LP162C	N	70	<20	700	50	N	1,000	500	>2,000	200
LP163C	N	70	<20	N	150	N	1,000	500	>2,000	<200
LP164C	N	20	N	N	100	N	150	N	>2,000	N
LP165C	N	30	N	N	150	N	500	<500	>2,000	N
LP166C	N	50	N	500	70	N	700	500	>2,000	<200
LP167C	N	30	N	300	100	N	300	<500	>2,000	200
LP168C	N	50	<20	N	150	N	500	<500	>2,000	<200
LP169C	N	70	N	N	200	N	1,000	<500	>2,000	300
LP170C	N	30	N	300	150	N	500	500	>2,000	300
LP171C	N	50	50	N	100	N	500	<500	>2,000	<200
LP172C	N	50	N	500	100	N	500	<500	>2,000	<200
LP173C	N	30	20	N	150	N	500	N	>2,000	300
LP174C	N	30	N	500	150	N	500	<500	>2,000	<200
LP175C	N	30	70	<200	200	N	500	<500	>2,000	N
LP176C	N	30	N	200	100	N	500	<500	>2,000	N
LP177C	N	20	<20	N	150	N	500	N	>2,000	200
LP178C	N	30	30	N	200	N	500	N	>2,000	300

Table 4.--continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
LP179C	34 47 37	119 24 3	.5	.05	3.00	>2.0	700	N	N	N	<20	500
LP180C	34 47 13	119 24 31	.5	.05	3.00	>2.0	700	N	N	N	<20	7,000
LP181C	34 49 11	119 29 1	.5	.07	2.00	>2.0	500	N	N	N	20	10,000
LP182C	34 46 44	119 28 32	.3	.05	1.50	>2.0	200	N	N	N	1,000	>10,000
LP183C	34 46 56	119 27 9	.5	.05	1.50	2.0	150	N	N	N	20	>10,000
LP184C	34 39 13	119 16 10	.7	.05	.50	>2.0	500	N	N	N	20	7,000
LP185C	34 40 49	119 19 9	2.0	.07	.70	2.0	700	N	N	N	20	>10,000
LP186C	34 42 32	119 18 59	.5	.05	3.00	>2.0	1,000	N	N	N	<20	1,000
LP187C	34 41 3	119 20 52	1.0	.05	.15	2.0	150	N	N	N	20	>10,000
LP188C	34 43 47	119 20 54	.7	.05	2.00	>2.0	500	N	N	N	20	2,000
LP189C	34 44 20	119 22 5	.7	.05	3.00	>2.0	500	N	N	N	20	3,000
LP190C	34 47 43	119 27 43	.5	.07	2.00	>2.0	150	N	N	N	20	>10,000
LP191C	34 49 52	119 32 42	1.0	.05	2.00	>2.0	200	N	N	N	<20	>10,000
LP192C	34 49 22	119 32 11	.5	1.00	2.00	>2.0	300	N	N	N	30	5,000
LP193C	34 48 59	119 31 53	.7	.05	2.00	>2.0	500	N	N	N	20	>10,000
LP194C	34 39 5	118 47 5	.3	1.00	10.00	>2.0	500	N	N	N	<20	3,000
LP195C	34 37 44	118 49 28	1.0	2.00	10.00	2.0	1,000	N	N	N	30	>10,000
LP196C	34 40 13	118 50 2	.7	1.50	20.00	1.5	700	N	N	N	20	1,500
LP197C	34 38 26	118 51 44	.5	1.00	5.00	2.0	1,000	N	N	N	<20	1,500
LP198C	34 40 49	118 50 33	.7	1.50	20.00	1.5	500	N	N	N	<20	2,000
LP199C	34 41 33	118 50 56	.5	.05	3.00	>2.0	500	N	N	N	<20	1,000
LP200C	34 41 35	118 51 38	.7	2.00	5.00	>2.0	1,000	N	N	N	20	700
LP201C	34 42 13	118 51 58	.5	1.00	5.00	>2.0	700	N	N	N	<20	1,000
LP202C	34 40 16	118 53 39	.7	.10	10.00	>2.0	700	N	N	N	<20	700
LP203C	34 44 14	118 53 19	.7	.05	10.00	>2.0	700	N	N	N	<20	500
LP204C	34 43 31	118 54 19	.5	.07	3.00	>2.0	200	N	N	N	20	1,500
LP205C	34 41 18	118 54 43	.5	.05	5.00	1.0	200	N	N	N	<20	700
LP206C	34 41 23	118 53 33	.5	.07	10.00	2.0	500	N	N	N	<20	700
LP207C	34 41 17	118 53 18	1.0	.20	15.00	2.0	700	N	N	N	<20	500
LP208C	34 42 54	118 53 47	.7	.07	5.00	>2.0	1,000	N	N	N	20	700
LP209C	34 42 19	118 54 19	.5	.15	5.00	>2.0	500	N	N	N	<20	500
LP210C	34 41 53	118 53 51	.3	.07	7.00	>2.0	500	N	N	N	<20	500
LP211C	34 42 9	118 56 7	.7	.10	3.00	>2.0	700	N	N	N	100	5,000
LP212C	34 42 23	118 56 48	.5	.05	5.00	>2.0	700	N	N	N	20	>10,000
LP213C	34 42 44	118 56 22	.5	.05	3.00	>2.0	500	N	N	N	<20	2,000
LP215C	34 44 1	118 59 29	.5	.05	15.00	>2.0	700	N	N	N	<20	700
LP216C	34 43 50	118 58 52	.5	.07	5.00	2.0	500	N	N	N	<20	700
LP217C	34 44 28	118 56 23	.7	.05	5.00	>2.0	700	10	N	N	20	700
LP218C	34 42 29	118 58 6	.7	.15	5.00	>2.0	300	N	N	N	<20	700
LP219C	34 42 13	118 58 53	.7	.15	2.00	1.0	200	N	N	N	50	500
LP220C	34 42 2	118 59 56	.5	.05	5.00	>2.0	300	N	N	N	20	>10,000
LP221C	34 41 57	118 59 55	.7	.07	5.00	>2.0	700	N	N	N	20	1,500
LP222C	34 39 14	119 1 20	.5	.07	5.00	>2.0	700	N	N	N	50	3,000
LP223C	34 37 49	118 58 49	.7	.10	10.00	>2.0	1,000	N	N	N	20	1,500
LP024C	34 29 37	119 18 49	.7	.07	.50	2.0	500	N	N	N	20	>10,000

Table 4.--continued

Sample	Be-ppm S	Bi-ppm S	Cd-ppm S	Co-ppm S	Cr-ppm S	Cu-ppm S	La-ppm S	Mo-ppm S	Nb-ppm S	Ni-ppm S	Pb-ppm S
LP179C	N	N	N	N	20	<10	300	<10	100	N	20
LP180C	<2	N	<10	<10	30	<10	150	<10	150	<10	50
LP181C	<2	N	<10	<10	30	<10	100	N	15	15	70
LP182C	<2	N	N	N	20	<10	<50	N	100	10	50
LP183C	<2	N	N	N	20	<10	N	N	<50	<10	70
LP184C	<2	N	N	N	20	<10	<50	N	70	20	30
LP185C	<2	N	N	N	20	10	<50	N	50	15	50
LP186C	N	N	10	10	70	<10	150	<10	150	10	50
LP187C	<2	N	N	N	<20	<10	N	N	N	20	70
LP188C	<2	N	<10	<10	30	<10	500	N	50	10	100
LP189C	<2	N	<10	<10	30	<10	150	N	50	15	50
LP190C	<2	N	N	N	20	10	N	N	70	10	70
LP191C	<2	N	N	N	30	<10	100	N	100	20	30
LP192C	<2	N	N	N	<20	<10	N	N	<50	10	30
LP193C	<2	N	N	N	20	<10	150	10	50	15	30
LP194C	N	N	N	N	70	<10	100	N	70	N	200
LP195C	<2	N	N	N	30	10	150	N	50	10	200
LP196C	N	70	N	N	20	<10	150	N	N	<10	30
LP197C	<2	70	10	10	20	<10	100	N	50	15	30
LP198C	N	N	N	N	20	<10	N	N	N	N	30
LP199C	<2	N	N	N	20	<10	200	N	70	N	50
LP200C	N	N	20	20	50	<10	200	10	150	15	30
LP201C	N	N	N	N	30	<10	150	10	100	<10	30
LP202C	N	N	N	N	30	<10	150	<10	200	N	20
LP203C	N	N	N	N	20	<10	200	<10	100	<10	100
LP204C	<2	N	N	10	<20	<10	200	N	70	10	200
LP205C	N	N	<10	<10	20	<10	N	N	<50	<10	30
LP206C	N	N	<10	<10	30	<10	<50	N	50	<10	100
LP207C	N	N	20	20	50	10	1,500	N	<50	15	100
LP208C	<2	N	N	N	50	<10	700	10	70	<10	200
LP209C	N	N	N	N	30	<10	100	N	50	10	50
LP210C	N	N	N	N	50	<10	<50	N	100	N	20
LP211C	<2	N	N	N	20	<10	100	<10	200	N	20
LP212C	<2	N	N	N	30	<10	150	<10	150	N	20
LP213C	<2	N	N	N	20	<10	150	N	100	10	30
LP215C	N	N	N	N	20	<10	500	<10	50	N	70
LP216C	<2	N	N	N	20	<10	700	N	<50	<10	200
LP217C	<2	N	N	N	20	<10	500	20	70	<10	100
LP218C	<2	N	15	15	20	<10	<50	N	50	10	70
LP219C	3	N	N	N	200	<10	200	N	<50	10	70
LP220C	<2	N	N	N	20	<10	150	N	50	15	70
LP221C	<2	N	N	N	30	<10	200	20	200	<10	20
LP222C	N	20	N	N	20	<10	150	N	150	N	50
LP223C	N	N	<10	<10	20	15	200	<10	200	N	30
LP224C	<2	N	N	N	<20	20	N	N	50	10	50

Table 4.--continued

Sample	Sm-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
LP179C	1	20	20	11	200	N	500	N	>2,000	300
LP180C	N	50	50	N	150	N	700	<500	>2,000	300
LP181C	1	70	N	2,000	100	N	700	500	>2,000	<200
LP182C	N	50	N	10,000	100	N	500	<500	>2,000	200
LP183C	1	30	100	5,000	70	N	500	<500	>2,000	<200
LP184C	1	50	N	300	150	N	700	500	>2,000	200
LP185C	1	30	70	700	100	N	300	<500	>2,000	<200
LP186C	N	30	70	N	150	N	500	N	>2,000	300
LP187C	1	50	N	700	50	N	700	<500	>2,000	N
LP188C	1	70	70	11	150	N	500	<500	>2,000	500
LP189C	1	50	150	11	150	N	700	<500	>2,000	300
LP190C	N	30	150	>10,000	70	N	300	<500	>2,000	N
LP191C	N	50	N	5,000	100	N	500	<500	>2,000	N
LP192C	N	50	N	700	70	N	1,000	<500	>2,000	N
LP193C	N	70	150	1,500	150	N	700	<500	>2,000	300
LP194C	1	15	N	300	100	N	300	N	>2,000	N
LP195C	N	20	N	1,000	70	<100	300	N	>2,000	N
LP196C	N	15	N	700	50	N	500	N	>2,000	N
LP197C	N	30	N	N	100	N	700	<500	>2,000	<200
LP198C	N	<10	N	500	50	N	200	N	>2,000	N
LP199C	1	30	<20	N	200	N	500	N	>2,000	500
LP200C	N	20	N	N	200	N	700	N	>2,000	<200
LP201C	N	15	N	300	100	N	300	N	>2,000	<200
LP202C	N	10	N	N	200	N	500	N	>2,000	300
LP203C	N	30	20	N	150	N	700	N	>2,000	300
LP204C	N	50	N	11	100	N	500	<500	>2,000	300
LP205C	N	20	N	N	30	N	300	N	>2,000	N
LP206C	N	20	N	11	100	N	300	N	>2,000	N
LP207C	N	30	N	N	100	N	500	<500	>2,000	500
LP208C	N	50	50	N	200	N	1,000	N	>2,000	500
LP209C	N	30	N	N	100	N	500	<500	>2,000	<200
LP210C	N	N	N	N	100	N	300	N	>2,000	N
LP211C	N	10	N	N	100	N	300	N	>2,000	<200
LP212C	N	30	N	500	150	N	500	N	>2,000	200
LP213C	N	30	N	N	150	N	500	<500	>2,000	500
LP215C	1	30	N	N	100	N	1,000	N	>2,000	<200
LP216C	1	50	N	N	100	N	700	<500	>2,000	200
LP217C	N	50	20	N	150	N	500	N	>2,000	300
LP218C	N	50	N	N	70	N	700	N	>2,000	N
LP219C	N	30	N	N	100	200	300	<500	>2,000	200
LP220C	1	50	<20	700	100	N	700	500	>2,000	300
LP221C	N	50	30	N	200	N	500	N	>2,000	200
LP222C	N	15	50	N	100	N	500	N	>2,000	700
LP223C	1	20	30	N	150	<100	1,000	N	>2,000	500
LP224C	N	<10	N	2,000	50	N	100	N	>2,000	N

Table 4.--continued

Sample	Latitude	Longitude	Fe-ppt. s	Mg-ppt. s	Ca-ppt. s	Ti-ppt. s	Mn-ppt. s	Ag-ppt. s	As-ppt. s	Au-ppt. s	B-ppt. s	Ba-ppt. s
LP0250	34 30 27	119 17 46	1.0	.07	.70	2.0	500	N	N	N	20	>10,000
LP0260	34 30 55	119 17 0	.7	.10	.70	2.0	300	N	N	N	20	10,000
LP0270	34 31 0	119 16 51	1.5	.07	.70	1.5	500	N	N	N	50	>10,000
LP0290	34 35 3	119 15 39	.5	.05	.70	2.0	300	N	N	N	<20	>10,000
LP0300	34 35 7	119 16 2	1.0	.10	1.50	2.0	500	N	N	N	20	>10,000
LP0310	34 35 14	119 16 56	.7	.07	3.00	2.0	700	N	N	N	20	>10,000
LP0320	34 35 26	119 17 26	.5	.10	7.00	2.0	500	N	N	N	30	5,000
LP0330	34 35 47	119 19 36	.5	.07	3.00	2.0	500	N	N	N	7,000	7,000
LP0340	34 35 41	119 19 44	1.0	.10	1.50	2.0	1,000	N	N	N	20	>10,000
LP0350	34 36 3	119 20 47	.5	.05	1.50	2.0	700	N	N	N	<20	10,000
LP0360	34 35 59	119 21 15	1.5	.07	2.00	2.0	1,000	N	N	N	20	>10,000
LP0370	34 36 51	119 22 3	.7	.10	2.00	2.0	1,500	N	N	N	70	5,000
LP0380	34 43 43	119 21 27	7.0	.07	.70	.7	500	N	N	N	20	>10,000
LP0390	34 42 35	119 22 0	.7	.07	2.00	2.0	1,500	N	N	N	30	3,000
LP0400	34 43 37	119 22 28	.5	.05	3.00	2.0	2,000	N	N	N	<20	>10,000
LP0410	34 45 36	119 22 46	.7	.07	3.00	2.0	500	N	N	N	20	5,000
LP0420	34 46 40	119 20 28	.5	.05	3.00	2.0	500	N	N	N	20	1,000
LP0430	34 47 1	119 19 56	.5	.07	3.00	2.0	500	N	N	N	<20	700
LP0440	34 47 15	119 19 55	.7	.07	3.00	2.0	1,000	N	N	N	20	7,000
LP0450	34 47 45	119 17 37	.5	.10	7.00	2.0	700	N	N	N	20	10,000
LP0460	34 47 57	119 17 39	.7	.10	1.00	2.0	200	N	N	N	20	10,000
LP0470	34 45 14	119 25 36	.3	<.05	1.50	2.0	150	N	N	N	20	>10,000
LP0480	34 44 31	119 27 3	.5	.10	.30	>2.0	200	N	N	N	50	7,000
LP0490	34 44 45	119 27 2	1.0	.07	.50	2.0	150	N	N	N	50	>10,000
LP0500	34 45 26	119 24 51	.5	.07	3.00	2.0	700	N	N	N	20	3,000
LP0510	34 31 36	119 33 52	1.0	.15	2.00	2.0	700	N	N	N	100	>10,000
LP0520	34 32 51	119 33 30	1.5	.07	3.00	2.0	1,000	N	N	N	20	>10,000
LP0530	34 32 47	119 33 30	1.0	.05	1.50	2.0	300	N	N	N	50	>10,000
LP0540	34 46 56	119 25 57	.7	.07	.15	2.0	300	N	N	N	30	>10,000
LP0550	34 49 8	119 25 31	.5	.05	3.00	2.0	500	N	N	N	<20	1,000
LP0560	34 49 20	119 24 40	.7	.10	5.00	>2.0	1,000	N	N	N	20	1,000
LP0570	34 49 39	119 23 27	.7	.10	3.00	>2.0	700	N	N	N	30	5,000
LP0580	34 50 19	119 22 22	.7	.07	3.00	>2.0	700	N	N	N	20	>10,000
LP0590	34 50 25	119 21 8	.5	.05	3.00	>2.0	500	N	N	N	<20	>10,000
LP0600	34 50 8	119 20 3	.5	.07	2.00	>2.0	500	N	N	N	20	>10,000
LP0610	34 50 19	119 18 49	.7	.07	3.00	>2.0	500	N	N	N	20	>10,000
LP0620	34 50 56	119 16 42	.5	.10	3.00	>2.0	500	N	N	N	30	>10,000
LP0630	34 51 34	119 14 48	.7	.10	5.00	2.0	500	N	N	N	20	1,000
LP0640	34 51 11	119 11 48	.5	.15	3.00	>2.0	200	N	N	N	20	700
LP0650	34 46 38	119 18 28	.7	.05	.30	2.0	200	N	N	N	20	10,000
LP0660	34 40 53	119 18 27	.5	<.05	.20	2.0	100	N	N	N	<20	10,000
LP0670	34 41 20	119 17 28	1.0	.10	2.00	>2.0	1,000	N	N	N	20	7,000
LP0680	34 41 26	119 16 49	.7	<.05	.30	1.0	100	N	N	N	20	>10,000
LP0690	34 41 22	119 16 50	.7	.07	1.50	>2.0	700	N	N	N	20	5,000
LP0700	34 42 5	119 17 9	.5	.05	3.00	>2.0	500	N	N	N	20	1,500

Table 4.--continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
LP025C	<2	N	N	N	<20	15	<50	N	70	10	200
LP026C	<2	N	N	N	20	10	100	N	70	20	1,000
LP027C	N	N	N	N	20	20	<50	N	50	30	2,000
LP029C	<2	N	N	N	20	<10	<50	N	70	20	50
LP030C	<2	N	N	N	20	10	100	N	100	15	70
LP031C	<2	N	N	N	30	<10	150	N	50	15	50
LP032C	<2	N	N	N	70	<10	<50	N	<50	10	70
LP033C	<2	N	N	N	70	<10	<50	N	50	15	50
LP034C	<2	N	N	N	20	10	<50	N	70	10	50
LP035C	<2	N	N	N	20	<10	<50	N	50	10	70
LF036C	<2	N	N	10	20	20	150	<10	100	50	300
LF037C	<2	N	N	N	30	<10	100	N	150	50	50
LF038C	<2	N	N	N	20	70	N	<10	<50	50	100
LF039C	<2	N	N	N	30	<10	150	N	150	10	50
LP040C	<2	N	N	N	30	<10	200	N	150	<10	50
LP041C	<2	N	N	N	20	<10	150	N	50	<10	50
LP042C	<2	N	N	N	20	<10	200	<10	100	<10	30
LP043C	<2	N	N	N	30	<10	200	N	100	10	50
LP044C	<2	N	N	N	30	<10	500	<10	100	<10	50
LP045C	<2	N	N	N	30	<10	200	N	100	N	20
LP046C	<2	N	N	N	20	10	<50	N	<50	N	20
LP047C	<2	N	N	N	<20	<10	<50	N	70	<10	300
LP048C	2	N	N	N	20	<10	<50	N	100	10	50
LP049C	<2	N	N	N	20	10	<50	N	100	10	200
LP050C	<2	N	N	N	20	<10	1,000	N	100	N	<20
LP051C	<2	N	N	N	500	10	100	N	100	20	50
LP052C	<2	N	N	N	500	15	150	N	50	20	50
LP053C	<2	N	N	N	300	10	<50	N	50	20	30
LP054C	<2	N	N	10	20	<10	200	N	<50	30	50
LP055C	<2	N	N	N	30	<10	300	N	50	10	50
LP056C	<2	N	N	N	20	<10	500	10	100	N	50
LP057C	<2	N	N	N	20	<10	200	N	70	<10	50
LP058C	<2	N	N	N	50	<10	150	<10	150	<10	30
LP059C	<2	N	N	10	50	<10	100	N	150	<10	30
LP060C	<2	N	N	N	30	10	700	N	70	10	70
LP061C	<2	N	N	N	50	<10	100	N	50	10	30
LP062C	<2	N	N	N	50	<10	100	N	70	10	50
LP063C	<2	N	N	N	50	<10	100	N	50	<10	20
LP064C	N	N	N	10	500	<10	N	N	150	<10	30
LP065C	<2	N	N	N	20	10	<50	N	100	10	500
LP066C	<2	N	N	N	20	10	<50	N	<50	20	50
LP067C	<2	N	N	N	30	<10	150	N	100	<10	30
LP068C	<2	N	N	N	<20	30	<50	<10	N	20	70
LP069C	<2	N	N	N	30	<10	150	N	70	15	50
LP070C	<2	N	N	N	50	<10	150	N	70	10	100

Table 4.--continued

Sample	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
LP025C	N	10	N	50	N	100	N	>2,000	N
LP026C	N	30	N	70	N	300	<500	>2,000	<200
LP027C	N	10	N	50	N	100	N	>2,000	N
LP029C	N	30	N	100	N	200	<500	>2,000	<200
LP030C	N	30	N	100	N	200	500	>2,000	N
LP031C	N	30	N	150	N	300	<500	>2,000	<200
LP032C	N	30	N	70	N	200	N	>2,000	N
LP033C	N	30	N	70	N	200	<500	>2,000	<200
LP034C	N	30	N	100	N	200	<500	>2,000	200
LP035C	N	50	N	100	N	200	<500	>2,000	<200
LP036C	N	30	N	150	N	300	N	>2,000	<200
LP037C	N	15	N	150	N	150	N	>2,000	<200
LP038C	N	20	N	50	N	200	700	>2,000	N
LP039C	N	20	N	150	N	300	N	>2,000	<200
LP040C	N	30	N	200	N	500	N	>2,000	300
LP041C	N	50	N	150	N	700	<500	>2,000	<200
LP042C	N	20	N	200	N	500	N	>2,000	500
LP043C	N	20	N	150	N	500	<500	>2,000	300
LP044C	N	30	N	200	N	700	N	>2,000	300
LP045C	N	10	N	150	N	300	N	>2,000	N
LP046C	N	<10	N	70	N	70	N	2,000	N
LP047C	N	15	N	100	N	200	<500	>2,000	200
LP048C	N	50	N	150	N	300	<500	>2,000	<200
LP049C	N	20	N	100	N	200	N	>2,000	<200
LP050C	N	15	N	150	N	500	N	>2,000	300
LP051C	N	30	N	150	N	300	<500	>2,000	N
LP052C	N	50	N	150	N	700	<500	>2,000	<200
LP053C	N	20	N	100	N	200	<500	>2,000	N
LP054C	N	70	N	70	N	1,000	500	>2,000	<200
LP055C	N	20	N	150	N	700	<500	>2,000	200
LP056C	N	30	N	200	N	500	N	>2,000	200
LP057C	N	20	N	200	N	500	N	>2,000	200
LP058C	N	20	N	150	N	700	N	>2,000	<200
LP059C	N	20	N	150	N	500	N	>2,000	<200
LP060C	N	50	N	100	N	1,000	<500	>2,000	300
LP061C	N	30	N	150	N	500	<500	>2,000	<200
LP062C	N	30	N	150	N	300	<500	>2,000	<200
LP063C	N	<10	N	100	N	300	N	>2,000	N
LP064C	N	10	N	200	N	150	N	>2,000	N
LP065C	N	20	N	100	N	200	<500	>2,000	N
LP066C	N	30	N	70	N	300	500	>2,000	200
LP067C	N	30	N	150	N	300	N	>2,000	<200
LP068C	N	50	N	50	N	500	500	>2,000	<200
LP069C	N	50	N	150	N	500	<500	>2,000	300
LP070C	N	30	N	150	N	500	N	>2,000	300

Table 4.--continued

Sample	Latitude	Longitude	Fe-ppt. s	Mg-ppt. s	Ca-ppt. s	Ti-ppt. s	Mn-ppt. s	Ag-ppt. s	As-ppt. s	Au-ppt. s	B-ppt. s	Ba-ppt. s
LP0710	34 43 44	119 13 17	.5	.07	5.00	1.0	700	N	N	N	20	2,000
LP0720	34 43 29	119 12 8	.3	.05	7.00	.7	700	N	N	N	20	2,000
LP0730	34 43 36	119 11 4	2.0	.10	2.00	2.0	700	N	N	N	20	>10,000
LP0740	34 43 34	119 10 47	1.0	.10	3.00	>2.0	1,000	N	N	N	20	>10,000
LP0750	34 43 24	119 10 43	1.5	<.05	.50	2.0	100	N	N	N	20	>10,000
LP0760	34 43 40	119 9 27	.7	.05	3.00	>2.0	700	N	N	N	<20	>10,000
LP0770	34 43 26	119 9 3	2.0	.05	1.00	2.0	150	N	N	N	20	>10,000
LP0780	34 42 53	119 7 33	.5	.07	2.00	1.0	200	N	N	N	20	>10,000
LP0790	34 43 28	119 5 23	1.5	.10	5.00	2.0	300	N	N	N	20	10,000
LP0800	34 41 49	119 5 35	1.5	.10	3.00	2.0	500	N	N	N	50	7,000
LP0810	34 41 17	119 7 8	.3	.05	2.00	1.5	150	N	N	N	50	2,000
LP0820	34 38 13	119 6 8	.5	<.05	1.00	>2.0	200	N	N	N	<20	2,000
LP0830	34 38 41	119 4 26	.5	.07	1.50	>2.0	500	N	N	N	20	3,000
LP0840	34 38 42	119 4 19	.5	.05	2.00	>2.0	300	N	N	N	20	3,000
LP0850	34 38 13	119 2 27	.5	<.05	.10	2.0	200	N	N	N	<20	700
LP0860	34 38 15	119 2 20	.5	.07	2.00	>2.0	500	N	N	N	<20	700
LP0870	34 36 19	119 4 58	.7	.05	1.00	>2.0	300	N	N	N	20	1,000
LP0880	34 36 35	119 6 11	.5	.07	.30	1.5	200	N	N	N	30	3,000
LP0890	34 26 30	119 4 43	.5	.07	3.00	>2.0	500	N	N	N	20	3,000
LP0900	34 26 26	119 4 52	.5	.05	3.00	>2.0	500	N	N	N	20	700
LP0910	34 26 28	119 7 16	.5	.07	3.00	>2.0	300	N	N	N	20	>10,000
LP0920	34 27 54	119 7 48	.3	.10	.70	2.0	500	N	N	N	20	>10,000
LP0930	34 27 51	119 7 40	.5	.05	3.00	>2.0	500	N	N	N	<20	>10,000
LP0940	34 32 24	118 53 52	.2	.30	1.00	2.0	5,000	N	N	N	20	>10,000
LP0950	34 31 55	118 53 39	1.0	.15	2.00	2.0	200	N	N	N	50	>10,000
LP0960	34 30 59	118 53 57	.5	.07	2.00	2.0	300	N	N	N	20	>10,000
LP0970	34 29 32	118 56 41	.5	.05	.50	2.0	150	N	N	N	20	>10,000
LP0980	34 29 29	118 56 28	.7	2.00	2.00	>2.0	500	N	N	N	<20	>10,000
LP0990	34 27 32	118 56 31	.5	.07	2.00	2.0	300	N	N	N	20	>10,000
LP1000	34 27 43	118 56 31	.7	.10	2.00	>2.0	500	N	N	N	30	>10,000
LP1010	34 33 36	119 9 6	.5	.10	2.00	2.0	300	N	N	N	30	>10,000
LP1020	34 33 37	119 8 32	5.0	.50	3.00	>2.0	10,000	N	N	N	100	7,000
LP1040	34 34 59	119 9 57	.3	.05	1.50	2.0	200	N	N	N	<20	10,000
LP1050	34 37 27	119 11 57	1.5	.05	1.00	2.0	100	N	N	N	30	10,000
LP1060	34 35 16	119 9 42	.7	.05	2.00	>2.0	500	N	N	N	20	>10,000
LP1070	34 33 36	119 10 47	1.0	.20	3.00	2.0	700	N	N	N	50	>10,000
LP1090	34 33 42	119 12 34	.7	.10	1.50	2.0	200	N	N	N	30	>10,000
LP1100	34 33 35	119 14 52	.2	<.05	1.50	2.0	200	N	N	N	20	>10,000
LP1110	34 33 20	119 18 32	.7	.05	1.50	2.0	300	N	N	N	30	>10,000
LP1120	34 31 27	119 21 3	1.0	.05	2.00	2.0	150	N	N	N	30	>10,000
LP1130	34 31 22	119 20 56	.5	.07	2.00	>2.0	200	N	N	N	20	>10,000
LP1140	34 36 2	119 14 54	2.0	.15	.70	>2.0	2,000	N	N	N	30	>10,000
LP1150	34 33 27	119 6 13	1.0	.05	2.00	2.0	200	N	N	N	<20	10,000
LP1160	34 33 44	119 5 58	.7	.05	1.50	2.0	200	N	N	N	20	>10,000
LP1170	34 33 30	119 4 14	.5	<.05	.50	2.0	100	N	N	N	<20	10,000

Table 4.--continued

Sample	U--ppm s	Bi--ppm s	Cd--ppm s	Co--ppm s	Cr--ppm s	Cu--ppm s	La--ppm s	Mo--ppm s	Nb--ppm s	Ni--ppm s	Pb--ppm s
LPJ71C	<2	N	N	N	<20	<10	200	N	<50	<10	30
LPJ72C	N	N	N	N	<20	<10	500	N	N	N	50
LPJ73C	<2	N	N	N	20	15	100	<10	50	N	30
LPJ74C	<2	N	N	N	20	20	150	N	100	10	70
LPJ75C	<2	N	N	10	20	10	N	N	50	30	50
LPJ76C	N	N	N	N	50	<10	300	N	70	10	20
LPJ77C	<2	500	N	10	20	10	100	N	70	15	30
LPJ78C	N	N	N	N	20	10	100	N	<50	10	500
LPJ79C	<2	N	N	N	50	<10	200	N	150	<10	50
LPJ80C	<2	N	N	<10	20	<10	150	N	150	10	30
LPJ81C	<2	N	N	<10	<20	<10	100	N	<50	<10	30
LPJ82C	<2	N	N	<10	<20	<10	150	N	50	10	50
LPJ83C	<2	N	N	<10	<20	<10	200	N	70	30	50
LPJ84C	<2	N	N	<10	30	<10	200	N	100	<10	20
LPJ85C	<2	N	N	<10	<20	<10	300	N	<50	30	30
LPJ86C	<2	N	N	<10	20	10	200	N	100	N	50
LPJ87C	<2	N	N	<10	20	<10	150	N	50	30	50
LPJ88C	N	N	N	N	20	15	100	N	<50	N	70
LPJ89C	5	N	N	<10	30	<10	200	N	150	10	30
LPJ90C	7	N	N	<10	20	<10	200	N	100	<10	50
LPJ91C	2	N	N	<10	30	200	150	N	200	<10	300
LPJ92C	<2	N	N	<10	20	<10	100	N	50	10	30
LPJ93C	<2	N	N	<10	30	<10	150	N	150	<10	30
LPJ94C	<2	N	N	10	7,000	100	200	50	50	70	300
LPJ95C	<2	N	N	N	30	15	100	N	70	15	70
LPJ96C	<2	N	N	N	<20	10	150	N	100	10	20
LPJ97C	N	N	N	N	30	<10	100	N	70	<10	20
LPJ98C	<2	N	N	<10	<20	10	100	N	100	20	70
LPJ99C	<2	N	N	<10	20	10	100	N	70	15	50
LP100C	<2	N	N	<10	30	<10	200	<10	300	10	30
LP101C	<2	N	N	N	30	<10	200	N	150	<10	50
LP102C	3	<20	N	10	1,000	20	700	N	300	15	70
LP104C	<2	N	N	N	20	<10	100	N	100	N	20
LP105C	<2	N	N	N	<20	<10	100	N	50	20	30
LP106C	<2	N	N	<10	30	<10	200	N	300	<10	70
LP107C	<2	N	N	<10	50	<10	200	N	200	10	50
LP109C	<2	N	N	N	20	10	150	N	150	<10	30
LP110C	<2	N	N	N	20	<10	200	N	100	10	20
LP111C	<2	N	N	N	20	<10	150	N	150	<10	20
LP112C	N	N	N	N	20	10	100	N	70	<10	N
LP113C	<2	N	N	<10	20	<10	100	N	70	10	50
LP114C	2	N	N	10	300	15	2,000	N	200	15	50
LP115C	<2	N	N	N	20	10	100	N	150	20	20
LP116C	<2	N	N	<10	20	<10	100	N	50	20	70
LP117C	<2	N	N	N	<20	<10	<50	N	70	15	20

Table 4.--continued

Sample	Sc-ppm s	Sm-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
LP071C	N	15	N	300	N	300	N	>2,000	N
LP072C	N	10	N	300	N	500	N	>2,000	N
LP073C	N	<10	N	700	N	200	N	>2,000	N
LP074C	N	30	N	700	N	700	<500	>2,000	<200
LP075C	N	50	50	100,000	N	700	1,500	>2,000	N
LP076C	N	30	N	1,000	N	500	<500	>2,000	<200
LP077C	N	30	N	10,000	<100	500	2,000	>2,000	<200
LP078C	N	15	N	>10,000	N	200	N	>2,000	N
LP079C	N	10	N	1,000	N	300	N	>2,000	N
LP080C	N	10	N	500	N	300	N	>2,000	N
LP081C	N	30	N	200	N	500	<500	>2,000	200
LP082C	N	50	70	150	N	500	500	>2,000	<200
LP083C	N	50	<20	200	N	500	500	>2,000	200
LP084C	N	30	N	200	N	500	N	>2,000	<200
LP085C	N	50	N	100	N	700	1,000	>2,000	200
LP086C	N	20	N	200	N	300	N	>2,000	2,000
LP087C	N	30	N	150	N	700	700	>2,000	<200
LP088C	N	<10	N	100	N	70	N	>2,000	N
LP089C	N	50	<20	200	N	700	<500	>2,000	<200
LP090C	N	50	<20	300	N	700	<500	>2,000	300
LP091C	N	30	N	200	N	500	N	>2,000	<200
LP092C	N	20	N	100	N	150	N	>2,000	N
LP093C	N	50	N	200	N	200	N	>2,000	<200
LP094C	N	20	200	150	N	150	<500	>2,000	N
LP095C	N	20	N	70	N	200	<500	>2,000	N
LP096C	N	15	N	100	N	200	500	>2,000	N
LP097C	N	10	N	70	N	100	N	>2,000	N
LP098C	N	20	N	100	N	500	500	>2,000	200
LP099C	N	30	N	700	N	500	1,000	>2,000	<200
LP100C	N	30	<20	500	<100	300	1,000	>2,000	500
LP101C	N	30	N	700	N	300	1,000	>2,000	300
LP102C	N	50	50	500	<100	1,000	N	>2,000	500
LP104C	N	10	N	H	<100	200	N	>2,000	<200
LP105C	N	50	N	H	<100	1,000	700	>2,000	200
LP106C	N	30	30	H	<100	700	N	>2,000	300
LP107C	N	15	N	2,000	<100	200	N	>2,000	<200
LP109C	N	20	N	500	<100	200	<500	>2,000	N
LP110C	N	15	N	700	<100	200	<500	>2,000	<200
LP111C	N	15	N	500	<100	200	N	>2,000	N
LP112C	N	10	N	1,500	<100	100	N	>2,000	N
LP113C	N	50	N	1,000	<100	500	700	>2,000	<200
LP114C	N	50	N	500	<100	2,000	500	>2,000	500
LP115C	N	30	N	500	<100	300	N	>2,000	300
LP116C	N	70	20	700	N	700	700	>2,000	<200
LP117C	N	30	N	500	N	500	500	>2,000	N

Table 4.--continued

Sample	Latitude	Longitude	Fe-ppt. s	Mg-ppt. s	Ca-ppt. s	Ti-ppt. s	Mn-ppt s	Ag-pptm s	As-pptm s	Au-pptm s	B-pptm s	Ba-pptm s
LP118C	34 35 23	119 4 12	1.5	.15	3.00	2.0	700	N	N	N	30	>10,000
LP119C	34 34 4	119 3 2	1.0	.10	3.00	2.0	500	N	N	N	50	>10,000
LP120C	34 34 9	119 1 29	.7	.10	2.00	2.0	500	N	N	N	30	10,000
LP121C	34 34 13	119 1 43	.5	.07	2.00	2.0	200	N	N	N	30	>10,000
LP122C	34 34 20	119 1 33	.7	.15	3.00	2.0	300	N	N	N	70	10,000
LP123C	34 34 30	118 59 3	1.0	.10	1.50	2.0	300	N	N	N	20	>10,000
LP124C	34 34 57	118 59 27	.5	.05	3.00	2.0	500	N	N	N	20	>10,000
LP125C	34 35 30	118 59 53	2.0	.20	3.00	2.0	2,000	N	N	N	<20	>10,000
LP126C	34 35 37	118 55 58	.5	.15	5.06	2.0	700	N	N	N	<20	1,500
LP127C	34 35 9	118 56 33	.5	.05	3.00	2.0	500	N	N	N	20	700
LP128C	34 37 9	118 57 19	.7	.15	10.00	>2.0	700	N	N	N	20	1,000
LP129C	34 34 56	119 5 9	.7	.07	3.00	>2.0	500	N	N	N	20	5,000
LP130C	34 36 47	119 4 22	.3	.05	.50	>2.0	500	N	N	N	20	1,500
LP131C	34 36 41	119 3 4	.3	<.05	.50	2.0	150	N	N	N	20	1,000
LP132C	34 36 29	119 1 16	.7	.10	3.00	2.0	500	N	N	N	20	10,000
LF133C	34 36 3	119 0 41	.5	.20	7.00	2.0	700	N	N	N	<20	7,000
LP134C	34 35 40	119 0 34	1.0	.15	5.00	1.0	2,000	N	N	N	20	>10,000
LP135C	34 35 58	118 53 32	.7	1.00	5.00	>2.0	700	N	N	N	200	1,500
LP224C	34 37 36	118 54 52	.7	.15	10.00	>2.0	700	N	N	N	<20	700
LP225C	34 42 50	119 0 44	.3	.05	10.00	2.0	500	N	N	N	20	700
LP226C	34 42 58	119 1 8	.5	.10	5.00	>2.0	700	N	N	N	20	1,000
LP227C	34 43 23	119 1 43	1.0	.20	3.00	1.0	500	N	N	N	<20	700
LP228C	34 44 1	119 2 19	.7	.05	10.00	>2.0	1,000	N	N	N	<20	1,500
LP229C	34 44 7	119 3 20	.7	.20	7.00	>2.0	700	N	N	N	500	>10,000
LP230C	34 43 13	119 3 24	1.0	.20	3.00	2.0	700	N	N	N	20	700
LP231C	34 42 8	119 2 30	.7	.15	3.00	>2.0	700	N	N	N	30	700
LP232C	34 41 52	119 1 33	1.0	.15	3.00	1.0	500	N	N	N	30	1,000
LP233C	34 40 53	119 1 13	.7	.10	2.00	>2.0	500	N	N	N	30	3,000
LP234C	34 40 51	119 1 9	.7	.10	3.00	2.0	300	N	N	N	30	1,000
LP235C	34 40 26	119 2 37	.7	.10	1.50	2.0	700	N	N	N	20	500
LP236C	34 40 27	119 2 34	.7	.10	10.00	>2.0	700	N	N	N	20	700
LP237C	34 40 8	119 2 58	.7	.07	7.00	>2.0	700	N	N	N	20	2,000
LP238C	34 45 7	118 56 11	.5	.07	10.00	>2.0	1,000	N	N	N	20	700
LP239C	34 45 2	118 55 55	1.0	.20	10.00	>2.0	500	N	N	N	50	700
LP240C	34 32 35	119 9 47	.5	.20	10.00	>2.0	500	N	N	N	50	10,000
LP241C	34 52 51	118 59 46	.5	.20	7.00	>2.0	500	N	1,000	N	30	1,500
LP242C	34 53 9	118 58 0	.7	.20	7.00	>2.0	700	N	N	N	30	700
LP243C	34 53 15	119 0 11	1.0	.20	7.00	>2.0	500	N	N	N	50	1,000
LP244C	34 53 58	119 1 59	1.0	.70	7.00	>2.0	700	N	1,500	N	150	3,000
LP245C	34 53 59	119 2 1	.5	.15	10.00	>2.0	300	N	N	N	70	3,000
LP246C	34 54 40	119 4 53	1.0	.20	3.00	2.0	500	N	N	N	150	>10,000
LP247C	34 54 40	119 4 48	1.0	.20	5.00	>2.0	700	N	N	N	70	>10,000
LP248C	34 54 35	119 4 35	1.5	1.00	5.00	>2.0	1,000	N	N	N	150	>10,000
LP249C	34 54 10	119 6 40	.7	.20	5.00	>2.0	700	N	N	N	70	>10,000
LP250C	34 54 12	119 6 42	5.0	.15	2.00	>2.0	500	N	N	N	70	>10,000

Table 4.--continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
LP118C	2	N	N	<10	20	20	200	10	200	50	70
LP119C	<2	N	N	N	20	15	100	<10	150	20	50
LP120C	<2	N	N	N	30	<10	200	N	100	<10	30
LP121C	<2	N	N	N	20	<10	150	N	70	10	50
LP122C	<2	N	N	N	20	10	150	N	100	<10	20
LP123C	<2	N	N	N	<20	10	100	N	70	10	20
LP124C	N	70	N	N	<20	<10	100	N	50	<10	70
LP125C	<2	N	N	30	30	10	100	N	70	15	3,000
LP126C	<2	N	N	N	30	<10	300	N	150	N	30
LP127C	N	70	N	N	20	<10	200	<10	100	<10	70
LP128C	2	<20	N	N	30	<10	300	N	100	N	30
LP129C	2	N	N	<10	20	<10	200	N	70	10	50
LP130C	2	N	N	<10	20	<10	700	N	20	20	50
LP131C	<2	N	N	N	<20	<10	200	N	<50	20	30
LP132C	<2	<20	N	N	20	<10	150	N	100	<10	70
LP133C	<2	<20	N	N	30	<10	500	N	100	<10	50
LP134C	N	N	N	N	<20	<10	200	N	<50	15	50
LP135C	N	N	N	30	50	<10	200	10	300	10	50
LP224C	<2	50	N	<10	30	<10	500	15	150	N	70
LP225C	N	N	N	N	20	<10	300	30	70	N	1,000
LP226C	<2	N	N	N	30	10	2,000	N	200	N	200
LP227C	<2	N	N	N	100	<10	200	N	50	<10	100
LP228C	N	N	N	N	20	<10	1,000	20	200	N	30
LP229C	2	N	N	N	70	<10	500	<10	150	<10	30
LP230C	<2	N	N	N	100	<10	1,500	50	100	<10	200
LP231C	<2	N	N	10	20	10	>2,000	N	150	10	100
LP232C	<2	N	N	10	30	10	>2,000	N	100	N	150
LP233C	<2	N	N	<10	20	<10	200	N	200	N	50
LP234C	<2	N	N	N	<20	N	150	N	100	N	20
LP235C	N	N	N	<10	20	<10	1,000	N	150	<10	70
LP236C	<2	N	N	<10	20	<10	500	<10	150	<10	70
LP237C	<2	N	N	<10	30	<10	500	N	150	<10	70
LP238C	N	N	N	<10	20	<10	700	20	200	N	50
LP239C	N	N	N	15	30	<10	150	N	150	<10	50
LP240C	3	N	N	10	70	10	300	10	200	10	500
LP241C	<2	N	N	<10	50	<10	200	<10	300	N	500
LP242C	<2	N	N	<10	50	N	300	15	300	N	50
LP243C	2	N	N	<10	20	N	200	N	150	N	70
LP244C	2	N	N	15	300	15	300	N	200	30	100
LP245C	N	N	N	<10	200	15	<50	N	100	10	100
LP246C	<2	N	N	N	70	10	100	N	100	10	50
LP247C	<2	N	N	10	150	15	100	N	100	15	100
LP248C	N	N	N	15	300	20	150	N	100	30	50
LP249C	N	N	N	<10	150	10	100	N	70	20	50
LP250C	<2	N	N	<10	50	70	100	<10	70	30	100

Table 4.--continued

Sample	Sb-ppm S	Sc-ppm S	Sn-ppm S	Sr-ppm S	V-ppm S	W-ppm S	Y-ppm S	Zn-ppm S	Zr-ppm S	Th-ppm S
LP118C	N	50	N	500	200	<100	700	<500	>2,000	200
LP119C	N	20	N	10,000	100	N	200	1,500	>2,000	N
LP120C	N	30	N	700	150	N	300	N	>2,000	N
LP121C	N	50	N	700	150	N	700	<500	>2,000	<200
LP122C	N	30	N	500	100	N	500	700	>2,000	<200
LP123C	N	30	N	700	100	N	300	<500	>2,000	200
LP124C	N	30	N	2,000	70	N	300	<500	>2,000	<200
LP125C	N	10	N	700	100	N	300	N	>2,000	<200
LP126C	N	<10	N	300	200	<100	300	N	>2,000	N
LP127C	N	15	N	<200	150	<100	500	N	>2,000	200
LP128C	N	10	20	500	200	N	500	N	>2,000	<200
LP129C	N	70	<20	H	150	N	500	1,000	>2,000	<200
LP130C	N	150	20	H	150	N	2,000	700	>2,000	300
LP131C	N	70	20	H	100	N	1,000	700	>2,000	200
LP132C	N	30	N	<200	100	N	500	N	>2,000	<200
LP133C	N	10	N	500	70	N	500	N	>2,000	<200
LP134C	N	<10	N	700	50	N	100	N	>2,000	<200
LP135C	N	10	<20	H	300	100	500	N	>2,000	300
LP224C	N	20	50	200	200	<100	500	N	>2,000	<200
LP225C	N	20	N	H	100	N	1,000	N	>2,000	<200
LP226C	N	30	50	H	150	<100	700	N	>2,000	700
LP227C	N	<10	N	H	100	N	300	N	>2,000	N
LP228C	N	20	70	H	200	<100	700	N	>2,000	300
LP229C	N	20	N	1,000	150	N	500	N	>2,000	<200
LP230C	N	20	N	N	100	100	300	N	>2,000	200
LP231C	N	30	100	H	100	N	1,000	500	>2,000	1,000
LP232C	N	30	N	H	50	N	1,000	<500	>2,000	1,500
LP233C	N	30	N	H	150	N	300	N	>2,000	N
LP234C	N	10	N	H	100	500	100	N	>2,000	200
LP235C	N	30	N	H	150	N	700	N	>2,000	1,000
LP236C	N	30	20	H	150	N	700	N	>2,000	500
LP237C	N	30	<20	H	150	N	1,000	N	>2,000	300
LP238C	N	20	70	H	200	N	500	N	>2,000	200
LP239C	N	20	N	500	150	N	500	N	>2,000	<200
LP240C	N	50	50	H	200	<100	500	N	>2,000	300
LP241C	N	20	200	H	150	<100	700	N	>2,000	<200
LP242C	N	10	200	H	150	<100	700	N	>2,000	<200
LP243C	N	15	100	500	100	150	200	N	>2,000	N
LP244C	N	20	70	200	200	<100	300	N	>2,000	N
LP245C	N	10	N	500	200	N	100	N	>2,000	N
LP246C	700	15	N	5,000	100	N	150	N	>2,000	N
LP247C	N	20	100	5,000	200	N	200	N	>2,000	N
LP248C	N	50	N	3,000	200	<100	200	N	>2,000	N
LP249C	3,000	30	N	3,000	200	<100	200	500	>2,000	500
LP250C	N	15	N	10,000	150	N	150	<500	>2,000	N

Table 4.--continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-pptm s	Ag-pptm s	As-pptm s	Au-pptm s	B-pptm s	Ba-pptm s
LP251C	34 53 6	119 5 19	.5	.50	10.00	>2.0	500	N	N	N	3,000	3,000
LP252C	34 53 6	119 5 23	.7	.50	10.00	>2.0	700	N	500	N	2,000	5,000
LP253C	34 53 38	119 5 38	1.0	.30	7.00	>2.0	700	N	N	N	100	>10,000
LP254C	34 54 22	119 9 28	2.0	.50	5.00	>2.0	500	N	<500	N	150	>10,000
LP255C	34 53 47	119 9 17	2.0	.30	3.00	2.0	300	N	500	N	150	10,000
LP256C	34 53 19	119 8 31	1.0	.50	10.00	2.0	1,500	N	N	N	300	>10,000
LP257C	34 54 8	119 12 23	.5	.20	2.00	>2.0	500	N	N	N	20	10,000
LP258C	34 54 1	119 20 21	.7	.10	5.00	>2.0	700	N	N	N	<20	5,000
LP259C	34 54 0	119 20 18	.7	.15	5.00	>2.0	700	N	N	N	30	10,000
LP260C	34 53 56	119 18 45	.5	.10	5.00	>2.0	500	N	N	N	20	10,000
LP261C	34 53 59	119 18 42	.7	.15	3.00	2.0	500	N	N	N	20	10,000
LP262C	34 52 56	119 15 46	.5	.20	5.00	>2.0	500	N	N	N	30	10,000
LP263C	34 52 57	119 15 45	1.0	.15	5.00	2.0	200	N	N	N	50	>10,000
LP264C	34 53 11	119 16 30	.5	.15	3.00	>2.0	300	N	N	N	30	>10,000
LP265C	34 53 44	119 18 7	.7	.50	5.00	>2.0	500	N	N	N	30	10,000
LP266C	34 53 44	119 18 12	.7	.15	5.00	>2.0	500	N	N	N	30	>10,000
LP267C	34 53 27	119 17 31	1.0	.20	5.00	2.0	500	N	N	N	30	10,000
LP268C	34 53 32	119 17 18	2.0	.15	2.00	2.0	200	N	N	N	200	>10,000
LP269C	34 53 33	119 11 47	.7	.30	2.00	2.0	200	N	N	N	100	>10,000
LP270C	34 53 36	119 11 37	5.0	.50	7.00	2.0	500	N	500	N	70	>10,000
LP271C	34 52 6	118 56 26	.5	.07	10.00	>2.0	1,000	N	N	N	<20	700
LP272C	34 52 6	118 56 28	.5	.50	10.00	>2.0	1,000	N	N	N	70	1,500
LP273C	34 48 37	118 56 10	1.0	.30	10.00	2.0	700	N	N	N	<20	700
LP274C	34 48 56	118 58 2	.5	.07	20.00	2.0	700	N	N	N	<20	500
LP275C	34 48 46	118 58 32	1.0	.70	15.00	1.0	1,000	N	N	N	1,000	10,000
LP276C	34 46 54	118 59 15	1.0	.30	5.00	.7	500	N	N	N	20	10,000
LP277C	34 46 51	118 54 56	.7	.15	15.00	.7	500	N	N	N	<20	700
LP278C	34 48 12	118 54 14	1.0	.10	3.00	1.0	N	N	N	N	20	1,000
LP279C	34 52 20	119 2 0	.7	.20	3.00	>2.0	500	N	N	N	50	1,000
LP280C	34 52 18	119 1 58	.7	.70	5.00	>2.0	700	N	N	N	50	5,000
LP281C	34 52 29	119 1 38	1.5	.50	5.00	>2.0	1,000	N	N	N	150	5,000
LP282C	34 50 47	119 5 29	.5	.50	7.00	>2.0	700	N	N	N	100	700
LP283C	34 51 4	119 6 51	1.0	.50	7.00	>2.0	500	N	N	N	50	10,000
LP284C	34 47 52	119 0 58	.5	.07	5.00	>2.0	1,000	N	N	N	<20	10,000
LP285C	34 46 40	119 0 58	1.0	.15	10.00	1.5	1,500	N	N	N	20	700
LP286C	34 46 38	119 0 58	.5	.07	7.00	1.0	1,000	N	N	N	<20	1,500
LP287C	34 45 49	119 1 38	.3	.05	5.00	2.0	700	N	N	N	<20	>10,000
LP288C	34 45 47	119 1 37	.7	.10	7.00	1.0	1,000	N	N	N	<20	>10,000
LP289C	34 45 45	119 1 28	1.0	.07	10.00	2.0	1,500	N	N	N	<20	5,000
LP290C	34 45 43	119 0 51	.3	.07	7.00	.3	500	N	N	N	<20	10,000
LP291C	34 46 23	119 4 52	.7	.15	1.50	.1	150	<1	N	N	500	7,000
LP292C	34 45 32	119 5 49	.2	.05	5.00	2.0	500	N	N	N	20	7,000
LP293C	34 46 44	119 6 48	.7	.07	5.00	2.0	700	N	N	N	<20	500
LP294C	34 45 38	119 6 56	1.5	.50	5.00	2.0	1,000	N	N	N	70	>10,000
LP295C	34 45 39	119 8 57	.7	.10	5.00	2.0	700	N	N	N	50	>10,000

Table 4.--continued

Sample	Se- μ m s	Bi-ppm s	Cd- μ m s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
LP251C	<2	N	N	15	500	<10	100	N	150	20	50
LP252C	<2	N	N	<10	300	10	100	N	100	15	30
LP253C	2	N	N	10	300	20	100	N	50	20	50
LP254C	3	<20	N	50	150	15	500	15	200	200	100
LP255C	2	N	N	15	100	15	200	10	150	50	100
LP256C	N	N	N	10	70	10	100	N	50	10	30
LP257C	<2	N	N	<10	50	<10	150	N	150	<10	100
LP258C	N	N	N	<10	70	<10	300	10	200	10	50
LP259C	5	N	N	<10	50	<10	300	15	150	<10	100
LP260C	N	N	N	N	30	<10	200	10	150	N	50
LP261C	<2	N	N	<10	20	<10	200	N	100	<10	70
LP262C	N	N	N	<10	100	<10	150	N	150	<10	70
LP263C	2	N	N	10	30	<10	300	N	70	<10	100
LP264C	<2	N	N	N	50	<10	150	20	150	<10	70
LP265C	<2	N	N	<10	100	10	200	10	150	10	70
LP266C	<2	N	N	<10	50	10	500	<10	100	10	50
LP267C	<2	N	N	<10	70	10	200	N	70	10	50
LP268C	2	N	N	20	50	15	150	N	50	70	70
LP269C	<2	N	N	N	20	10	100	N	100	10	70
LP270C	<2	<20	N	30	30	20	300	15	200	70	70
LP271C	N	N	N	<10	30	<10	500	50	500	N	70
LP272C	N	N	N	<10	200	<10	300	20	300	N	50
LP273C	N	N	N	<10	50	<10	500	N	50	10	100
LP274C	N	<20	N	<10	20	<10	150	N	<50	15	70
LP275C	N	N	N	<10	300	20	700	200	<50	20	50
LP276C	N	20	N	<10	50	<10	1,000	10	50	15	70
LP277C	N	N	N	<10	20	N	700	N	50	10	50
LP278C	<2	N	N	10	20	<10	150	<10	50	20	50
LP279C	2	N	N	<10	300	<10	150	N	200	10	300
LP280C	3	N	N	<10	100	<10	150	N	200	10	30
LP281C	2	N	N	10	150	15	150	N	200	30	50
LP282C	<2	N	N	<10	300	<10	150	N	150	30	50
LP283C	N	N	N	50	200	20	150	N	150	50	300
LP284C	N	N	N	<10	<20	N	500	<10	50	15	300
LP285C	N	N	N	<10	50	<10	500	N	70	10	100
LP286C	N	N	N	N	<20	<10	200	N	50	<10	50
LP287C	N	N	N	<10	20	<10	300	N	70	15	100
LP288C	N	N	N	<10	<20	N	500	N	50	70	70
LP289C	N	N	N	<10	20	<10	500	10	100	<10	50
LP290C	N	N	N	N	<20	N	150	N	N	20	100
LP291C	N	N	N	N	<20	<10	N	15	N	N	N
LP292C	N	N	N	<10	30	<10	150	N	70	10	30
LP293C	<2	N	N	10	<20	<10	500	N	100	15	20
LP294C	<2	N	N	10	70	<10	700	15	200	20	70
LP295C	<2	N	N	10	70	<10	300	N	200	10	50

Table 4.--continued

Sample	Sub- μm s	Sc- μm s	Sn-ppm s	Str- μm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
LP251C	5,000	15	N	500	200	100	150	N	>2,000	N
LP252C	15,000	10	N	500	200	1,000	100	N	>2,000	N
LP253C	N	50	N	1,000	500	N	300	N	>2,000	N
LP254C	N	15	30	1,000	150	200	500	N	>2,000	200
LP255C	N	10	N	500	100	<100	200	N	>2,000	<200
LP256C	N	15	N	1,000	100	N	300	N	>2,000	N
LP257C	N	50	<20	500	150	N	500	<500	>2,000	200
LP258C	N	30	70	H	200	N	1,000	<500	>2,000	300
LP259C	N	30	70	7,000	200	N	700	<500	>2,000	<200
LP260C	N	10	<20	3,000	150	N	500	N	>2,000	N
LP261C	N	10	N	2,000	100	N	200	N	>2,000	<200
LP262C	N	20	N	2,000	150	N	500	N	>2,000	N
LP263C	N	<10	N	1,500	70	N	300	N	>2,000	200
LP264C	N	15	N	7,000	100	N	300	N	>2,000	<200
LP265C	N	15	N	10,000	100	N	300	N	>2,000	N
LP266C	N	20	N	10,000	150	N	500	N	>2,000	200
LP267C	N	<10	N	>10,000	70	N	200	N	>2,000	N
LP268C	N	20	N	2,000	100	N	200	N	>2,000	<200
LP269C	N	10	N	2,000	100	N	150	N	>2,000	N
LP270C	N	10	70	700	100	200	500	N	>2,000	500
LP271C	N	<10	100	N	300	<100	2,000	N	>2,000	<200
LP272C	N	<10	100	H	200	N	1,000	N	>2,000	<200
LP273C	N	10	N	H	100	700	1,500	N	>2,000	N
LP274C	N	30	N	H	50	200	3,000	500	>2,000	N
LP275C	N	20	N	700	100	N	700	<500	>2,000	N
LP276C	N	20	N	500	70	1,000	500	500	>2,000	200
LP277C	N	10	N	H	50	<100	1,000	N	>2,000	N
LP278C	N	30	N	H	70	N	500	700	>2,000	<200
LP279C	500	20	N	N	300	<100	100	N	>2,000	N
LP280C	N	15	50	N	200	700	200	N	>2,000	N
LP281C	N	20	N	H	150	<100	200	N	>2,000	N
LP282C	N	20	N	500	200	100	200	N	>2,000	N
LP283C	N	20	N	5,000	200	500	300	N	>2,000	N
LP284C	N	50	N	H	50	N	1,000	1,000	>2,000	200
LP285C	N	30	20	500	150	N	1,500	N	>2,000	N
LP286C	N	30	N	H	50	N	1,500	500	>2,000	N
LP287C	N	50	30	1,000	150	N	1,000	700	>2,000	N
LP288C	N	50	N	500	50	N	300	500	>2,000	N
LP289C	N	20	N	700	150	N	1,000	N	>2,000	N
LP290C	N	50	N	H	50	N	2,000	500	>2,000	N
LP291C	N	N	N	>10,000	<20	N	20	N	2,000	N
LP292C	N	30	N	H	150	N	500	700	>2,000	200
LP293C	N	50	20	700	100	N	1,000	500	>2,000	300
LP294C	N	30	20	10,000	100	N	700	<500	>2,000	>500
LP295C	N	50	30	10,000	150	N	1,000	<500	>2,000	200

Table 4.--continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
LP297C	34 46 7	119 13 20	.5	<.05	5.00	1.5	700	N	N	N	<20	3,000
LP298C	34 46 53	119 14 14	.3	.05	3.00	2.0	500	N	N	N	<20	>10,000
LP299C	34 48 19	119 14 59	.7	.70	10.00	2.0	700	N	N	N	<20	1,500
LP300C	34 50 6	119 14 55	.7	.05	3.00	2.0	1,000	N	N	N	20	>10,000
LP301C	34 50 13	119 9 56	.5	.30	7.00	2.0	500	N	N	N	20	1,000
LP302C	34 50 26	119 7 55	2.0	.15	5.00	2.0	500	N	N	N	<20	2,000
LP303C	34 47 45	118 59 39	.7	.05	5.00	2.0	1,000	N	N	N	<20	1,500
LP304C	34 38 26	119 14 51	.7	.07	3.00	2.0	2,000	N	N	N	20	3,000
LP305C	34 37 2	119 23 49	1.0	.07	2.00	2.0	700	N	N	N	<20	>10,000
LP306C	34 37 0	119 23 52	2.0	1.00	2.00	2.0	10,000	N	N	N	50	>10,000
LP307C	34 36 24	119 22 56	7.0	.15	2.00	2.0	1,000	N	N	N	20	>10,000
LP309C	34 36 42	119 26 38	10.0	.10	1.00	1.5	500	N	N	N	20	>10,000
LP310C	34 36 58	119 29 7	.7	.10	3.00	2.0	700	N	N	N	20	>10,000
LP311C	34 32 58	119 31 49	1.0	.10	3.00	2.0	700	N	N	N	20	>10,000
LP312C	34 33 2	119 31 48	3.0	.10	1.50	2.0	700	N	N	N	<20	>10,000
LP313C	34 33 27	119 33 25	5.0	.50	1.00	2.0	2,000	N	N	N	150	>10,000
LP315C	34 35 12	119 31 48	1.5	.30	5.00	>2.0	3,000	N	N	N	20	>10,000
LP316C	34 35 36	119 29 37	1.0	.10	3.00	2.0	700	N	N	N	30	>10,000
LP317C	34 37 9	119 32 56	2.0	.15	3.00	2.0	1,000	N	N	N	20	>10,000
LP318C	34 32 25	119 24 27	1.5	.05	1.00	1.0	200	N	N	N	<20	>10,000
LP319C	34 31 3	119 24 23	1.5	.10	1.00	2.0	300	N	N	N	30	>10,000
LP320C	34 31 14	119 24 17	2.0	.07	1.50	2.0	700	N	N	N	20	>10,000
LP321C	34 31 22	119 33 45	.5	.05	3.00	>2.0	500	N	N	N	<20	10,000
LP322C	34 49 41	119 33 22	.7	.05	.20	2.0	150	N	N	N	20	>10,000
LP323C	34 48 47	119 33 30	2.0	.05	.20	2.0	100	N	N	N	<20	>10,000
LP324C	34 48 41	119 33 46	1.0	.10	1.00	2.0	700	N	N	N	20	>10,000
LP325C	34 47 11	119 35 28	1.0	.05	1.00	2.0	150	N	N	N	<20	>10,000
LP326C	34 46 26	119 32 26	1.0	.10	.50	2.0	500	N	N	N	20	>10,000
LP327C	34 48 42	119 31 44	.7	.07	2.00	2.0	700	N	N	N	<20	>10,000
LP328C	34 49 12	119 30 7	.5	<.05	3.00	2.0	1,000	N	N	N	<20	10,000
LP329C	34 43 26	119 30 11	1.0	.15	.30	2.0	700	N	N	N	50	>10,000
LP330C	34 51 43	119 35 1	.7	.05	3.00	2.0	1,000	N	N	N	<20	7,000
LP331C	34 51 49	119 36 2	.7	.07	3.00	2.0	1,500	N	N	N	<20	5,000
LP332C	34 50 16	119 36 27	.5	.07	3.00	2.0	700	N	N	N	20	>10,000
LP333C	34 50 11	119 36 30	1.5	.10	.50	2.0	1,000	N	N	N	20	>10,000
LP334C	34 49 39	119 40 0	.7	.05	.30	2.0	200	N	N	N	<20	>10,000
LP335C	34 52 20	119 42 27	.3	.07	2.00	2.0	700	N	N	N	<20	>10,000
LP336C	34 52 15	119 42 33	.5	.05	2.00	2.0	1,000	N	N	N	20	>10,000
LP338C	34 52 59	119 42 17	.7	.07	1.00	2.0	300	N	N	N	20	>10,000
LP339C	34 53 13	119 43 45	1.5	.15	3.00	2.0	500	N	N	N	20	>10,000
LP340C	34 54 27	119 46 4	1.5	.07	.30	2.0	500	N	N	N	20	>10,000
LP341C	34 52 43	119 47 18	.7	.10	.15	>2.0	200	N	N	N	50	10,000
LP342C	34 54 49	119 48 4	1.5	.15	1.50	2.0	700	N	N	N	50	1,500
LP343C	34 55 35	119 49 5	.7	.15	.30	2.0	500	N	N	N	70	10,000
LP344C	34 56 1	119 50 7	.5	.10	.50	2.0	200	N	N	N	30	>10,000

Table 4.--continued

Sample	Be-ppm S	Bi-ppm S	Cd-ppm S	Co-ppm S	Cr-ppm S	Cu-ppm S	La-ppm S	Mo-ppm S	Nb-ppm S	Ni-ppm S	Pb-ppm S
LP297C	<2	N	N	N	<20	N	500	N	50	15	<20
LP298C	N	N	N	<10	100	N	200	N	100	15	70
LP299C	<2	N	N	<10	70	<10	300	N	200	15	<20
LP300C	N	N	N	10	50	N	300	N	50	20	<20
LP301C	N	N	N	<10	200	N	150	15	200	15	70
LP302C	N	N	N	150	70	150	200	15	70	100	50
LP303C	N	N	N	10	20	N	200	N	50	10	100
LP304C	2	N	N	10	50	N	300	10	150	10	50
LP305C	<2	N	N	10	50	20	500	15	150	30	70
LP306C	<2	N	N	10	700	15	700	10	150	15	30
LP307C	2	N	N	10	50	150	500	N	100	50	150
LP309C	<2	N	N	20	20	150	200	N	70	70	150
LP310C	<2	N	N	<10	50	N	500	20	300	<10	50
LP311C	<2	N	N	<10	700	10	700	20	200	20	<20
LP312C	<2	N	N	<10	700	70	150	N	70	50	50
LP313C	<2	N	N	10	700	70	200	N	50	50	20
LP315C	N	N	N	10	200	15	1,000	15	200	15	30
LP316C	N	N	N	<10	300	15	500	10	150	15	50
LP317C	<2	N	N	10	300	70	500	15	150	30	70
LP318C	N	N	N	<10	100	30	<50	N	<50	30	<20
LP319C	<2	N	N	<10	150	15	150	N	70	20	20
LP320C	<2	N	N	10	200	50	200	<10	70	50	70
LP321C	N	N	N	<10	30	N	500	N	150	10	<20
LP322C	2	N	N	10	20	N	150	N	50	20	<20
LP323C	<2	N	N	10	20	15	<50	N	100	20	50
LP324C	<2	N	N	10	50	N	500	N	100	15	50
LP325C	N	N	N	<10	20	<10	200	N	100	10	70
LP326C	3	N	N	10	30	10	300	N	200	10	50
LP327C	<2	N	N	<10	30	N	300	<10	100	<10	30
LP328C	N	N	N	<10	30	N	500	15	150	<10	20
LP329C	5	N	N	10	50	100	500	N	300	30	70
LP330C	N	N	N	10	30	N	500	N	150	20	30
LP331C	N	N	N	10	20	N	1,000	N	200	15	50
LP332C	N	N	N	<10	70	N	300	N	150	15	20
LP333C	2	N	N	10	50	10	300	N	50	20	70
LP334C	<2	N	N	<10	70	10	150	N	<50	50	50
LP335C	N	N	N	<10	20	N	200	N	50	<10	<20
LP336C	<2	N	N	<10	20	N	300	N	100	10	70
LP338C	<2	N	N	<10	20	N	300	N	150	20	30
LP339C	N	N	N	N	50	10	300	20	150	30	<20
LP340C	2	N	N	10	20	<10	<50	N	150	30	70
LP341C	3	N	N	<10	20	<10	<50	N	200	30	5,000
LP342C	2	N	N	10	30	10	150	N	150	15	70
LP343C	2	N	N	10	20	<10	100	N	200	30	100
LP344C	2	N	N	<10	20	<10	150	N	300	20	50

Table 4.--continued

Sample	30- μ m s	Sc-ppm s	Sn-ppm s	Str-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
LP297C	N	50	N	300	70	N	1,000	700	>2,000	300
LP298C	N	30	100	1,500	150	N	500	500	>2,000	500
LP299C	N	15	50	<200	200	N	700	N	>2,000	200
LP300C	N	30	N	500	150	N	500	500	>2,000	<200
LP301C	N	10	<20	500	150	N	300	N	>2,000	N
LP302C	N	20	N	200	150	N	300	N	>2,000	N
LP303C	N	70	N	H	150	N	1,000	<500	>2,000	N
LP304C	N	50	<20	H	200	N	700	<500	>2,000	500
LP305C	N	30	20	2,000	150	N	500	700	>2,000	200
LP306C	N	70	50	H	150	<100	700	700	>2,000	200
LP307C	N	30	50	2,000	200	N	500	N	>2,000	<200
LP309C	N	<10	N	7,000	70	N	200	N	>2,000	N
LP310C	N	30	50	7,000	200	<100	1,500	N	>2,000	<200
LP311C	N	30	50	2,000	200	<100	700	N	>2,000	500
LP312C	N	30	N	3,000	70	N	300	1,000	>2,000	N
LP313C	N	30	N	3,000	200	N	200	N	>2,000	N
LP315C	N	30	30	1,000	300	N	1,000	N	>2,000	<200
LP316C	N	30	20	5,000	150	N	700	N	>2,000	200
LP317C	N	20	<20	>10,000	150	N	500	N	>2,000	N
LP318C	N	<10	N	10,000	50	N	100	N	>2,000	N
LP319C	N	15	N	10,000	100	N	200	N	>2,000	N
LP320C	N	50	<20	10,000	100	N	500	<500	>2,000	N
LP321C	N	50	<20	H	150	N	1,000	700	>2,000	300
LP322C	N	70	N	1,000	70	N	1,000	1,000	>2,000	N
LP323C	N	30	200	10,000	70	N	300	500	>2,000	<200
LP324C	N	50	N	2,000	150	N	700	500	>2,000	300
LP325C	N	30	200	5,000	70	N	200	1,500	>2,000	<200
LP326C	N	50	<20	<200	100	N	300	<500	>2,000	200
LP327C	N	50	<20	7,000	150	N	500	<500	>2,000	200
LP328C	N	30	70	H	200	N	700	<500	>2,000	300
LP329C	N	50	<20	10,000	150	<100	700	<500	>2,000	300
LP330C	N	30	50	H	200	N	1,000	<500	>2,000	700
LP331C	N	50	20	H	150	N	700	500	>2,000	700
LP332C	N	20	N	200	150	N	700	<500	>2,000	<200
LP333C	N	30	N	1,000	100	N	1,500	500	>2,000	500
LP334C	N	50	N	5,000	70	N	1,000	1,000	>2,000	<200
LP335C	N	30	N	7,000	70	N	700	500	>2,000	200
LP336C	N	20	N	700	100	N	500	<500	>2,000	200
LP338C	N	50	N	700	100	N	1,500	500	>2,000	300
LP339C	N	20	N	1,000	200	N	300	500	>2,000	<200
LP340C	N	30	N	<200	150	N	700	500	>2,000	500
LP341C	N	50	N	H	150	N	1,000	500	>2,000	300
LP342C	N	50	N	H	150	N	500	<500	>2,000	<200
LP343C	N	30	N	200	150	N	500	500	>2,000	200
LP344C	N	30	N	500	150	N	300	<500	>2,000	500

Table 4.--continued

Sample	Latitude	Longitude	Fe-pct. %	Mg-pct. %	Cu-pct. %	Ti-pct. %	Mn-ppm S	Ag-ppm S	As-ppm S	Au-ppm S	B-ppm S	Ba-ppm S
LP3450	34 56 16	119 50 37	.5	.07	.20	1.5	500	N	N	N	20	10,000
LP3460	34 56 7	119 51 59	1.0	.10	.50	>2.0	500	N	N	N	30	10,000
LP3470	34 56 14	119 52 12	.5	.05	.20	2.0	150	N	N	N	20	>10,000
LP3480	34 56 45	119 52 44	.7	.10	1.00	2.0	300	N	N	N	20	3,000
LP3490	34 57 23	119 55 22	.7	.07	.15	2.0	500	N	N	N	20	>10,000
LP3500	34 58 23	119 55 53	1.0	.20	.30	>2.0	1,500	N	N	N	100	10,000
LP3520	34 59 24	119 57 36	.5	.15	.50	2.0	300	N	N	N	20	7,000
LP3530	35 0 50	119 58 12	.7	.10	3.00	>2.0	700	N	N	N	50	10,000
LP3540	35 2 11	119 58 31	1.0	.10	2.00	>2.0	700	N	N	N	30	10,000
LP3550	35 2 12	120 0 8	.5	.07	3.00	>2.0	1,000	N	N	N	<20	10,000
LP3560	35 3 18	120 0 48	1.0	.10	3.00	>2.0	2,000	N	N	N	30	1,000
LP3570	35 4 32	120 1 27	.3	.07	1.00	2.0	500	N	N	N	20	5,000
LP3580	35 5 2	120 2 30	1.0	.10	2.00	>2.0	700	N	N	N	20	5,000
LP3590	34 54 13	120 8 26	2.0	.50	2.00	2.0	3,000	N	N	N	100	>10,000
LP3600	34 54 51	120 8 44	2.0	.15	1.00	2.0	1,500	N	N	N	20	>10,000
LP3610	34 57 41	120 8 16	.7	.10	2.00	>2.0	500	N	N	N	20	5,000
LP3620	34 55 44	120 6 15	1.0	.15	.70	2.0	500	N	N	N	20	3,000
LP3630	34 56 30	120 6 35	.7	.10	5.00	>2.0	1,000	N	N	N	<20	3,000
LP3640	34 57 28	120 5 16	.5	<.05	.20	1.0	200	N	N	N	<20	>10,000
LP3650	34 58 17	120 4 37	.5	<.05	.15	1.0	100	N	N	N	<20	>10,000
LP3660	34 58 7	120 3 4	2.0	.10	.30	2.0	300	N	N	N	20	>10,000
LP3670	34 52 50	120 7 19	.5	.05	.70	>2.0	200	N	N	N	<20	>10,000
LP3680	34 53 4	120 7 0	1.5	.10	1.50	>2.0	1,000	N	N	N	20	>10,000
LP3700	34 54 38	120 4 30	2.0	.15	2.00	>2.0	2,000	N	N	N	30	>10,000
LP3710	34 54 19	120 1 50	.7	.07	1.00	>2.0	200	N	N	N	20	>10,000
LP3720	34 55 24	120 1 6	1.0	.07	1.00	>2.0	300	N	N	N	30	>10,000
LP3730	34 56 14	119 59 54	.5	.05	.30	2.0	100	N	N	N	30	>10,000
LP3740	34 54 37	119 59 1	.7	.10	1.50	>2.0	500	N	N	N	30	>10,000
LP3750	34 53 52	119 58 51	1.0	.10	.50	>2.0	300	N	N	N	30	>10,000
LP3760	34 52 59	119 59 12	.7	.15	3.00	>2.0	500	N	N	N	70	>10,000
LP3770	34 50 11	120 1 1	.7	.10	1.50	>2.0	300	N	N	N	30	>10,000
LP3780	34 49 41	119 59 22	1.0	.10	2.00	2.0	300	N	N	N	50	>10,000
LP3790	34 50 56	120 3 19	.5	.07	1.00	>2.0	500	N	N	N	<20	>10,000
LP3800	34 49 58	120 0 56	.2	<.05	.20	.7	70	N	N	N	<20	>10,000
LP3810	34 48 9	120 0 19	1.0	.50	1.50	2.0	200	N	N	N	50	>10,000
LP3820	34 59 20	120 10 37	.7	.05	.30	>2.0	1,000	N	N	N	20	>10,000
LP3840	34 58 30	120 5 57	1.0	.10	.20	2.0	300	N	N	N	50	>10,000
LP3850	35 0 59	120 5 13	1.5	.05	.15	1.0	100	N	N	N	20	>10,000
LP3860	35 2 37	120 4 40	.7	.10	3.00	>2.0	500	N	N	N	70	>10,000
LP3870	35 1 18	120 8 41	1.5	.20	.30	1.0	300	N	N	N	20	>10,000
LP3880	35 2 18	120 8 53	2.0	.30	.50	1.5	700	N	N	N	30	>10,000
LP3890	35 2 19	120 8 57	1.0	.20	2.00	2.0	500	N	N	N	30	>10,000
LP3900	34 59 44	120 7 4	.3	.10	2.00	2.0	200	N	N	N	20	>10,000
LP3910	35 1 14	120 6 59	1.5	.20	2.00	>2.0	2,000	N	N	N	30	>10,000
LP3920	35 0 47	120 7 11	1.5	.15	.30	2.0	500	N	N	N	50	>10,000

Table 4.--continued

Sample	Ue-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
LP345C	<2	N	N	10	20	<10	N	N	50	30	50
LP346C	2	N	N	10	20	15	<50	N	150	20	20
LP347C	<2	N	N	<10	20	15	<50	N	150	20	70
LP348C	<2	N	N	<10	20	N	150	N	150	N	<20
LP349C	<2	N	N	10	30	<10	200	N	100	30	30
LP350C	3	N	N	15	150	10	150	N	150	30	50
LP352C	2	N	N	10	20	<10	100	N	70	20	30
LP353C	2	N	N	10	30	<10	200	N	150	15	50
LP354C	2	N	N	10	50	<10	300	<10	200	15	50
LP355C	N	N	N	10	20	N	700	10	150	10	20
LP356C	<2	N	N	10	20	N	700	15	150	<10	20
LP357C	<2	N	N	10	20	N	100	N	100	30	50
LP358C	2	N	N	10	20	<10	700	N	100	20	50
LP359C	3	N	N	10	200	10	200	<10	150	30	50
LP360C	<2	N	N	<10	300	10	300	30	100	50	30
LP361C	N	N	N	<10	20	N	200	20	200	N	<20
LP362C	N	N	N	<10	20	N	<50	N	100	N	<20
LP363C	N	N	N	10	30	<10	500	30	300	N	<20
LP364C	N	N	N	N	20	N	<50	N	50	N	30
LP365C	N	N	N	N	<20	N	<50	N	50	N	<20
LP366C	<2	N	N	10	20	<10	N	N	70	15	20
LP367C	N	N	N	10	50	<10	100	N	150	20	N
LP368C	N	N	N	20	500	10	500	20	150	30	1,000
LP370C	N	N	N	20	50	10	300	15	150	10	N
LP371C	N	N	N	15	70	<10	100	N	150	10	N
LP372C	<2	N	N	10	100	<10	100	N	100	20	N
LP373C	<2	N	N	10	20	<10	N	N	50	20	20
LP374C	N	N	N	10	50	<10	150	N	150	10	N
LP375C	<2	N	N	10	50	<10	100	N	150	15	<20
LP376C	N	N	N	15	30	10	150	N	150	10	N
LP377C	<2	N	N	10	50	<10	100	N	100	10	20
LP378C	N	N	N	<10	50	10	100	<10	70	30	30
LP379C	N	N	N	10	30	<10	150	<10	200	10	N
LP380C	N	N	N	N	20	N	<50	N	<50	<10	500
LP381C	N	N	N	10	300	10	N	N	<50	30	70
LP382C	N	N	N	15	70	<10	200	N	150	20	N
LP384C	N	N	N	<10	200	<10	N	N	50	15	N
LP385C	N	N	N	N	20	15	N	N	<50	10	N
LP386C	N	N	N	<10	30	<10	200	10	200	<10	20
LP387C	N	N	N	N	700	10	N	N	50	30	50
LP388C	N	N	N	15	5,000	20	<50	N	50	30	50
LP389C	N	N	N	N	500	<10	200	<10	200	15	N
LP390C	N	N	N	10	70	<10	100	N	100	20	1,500
LP391C	N	N	N	10	300	<10	300	15	200	10	2,000
LP392C	N	N	N	N	200	10	100	N	70	15	20

Table 4.--continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
LP345C	N	30	N	H	70	N	700	<500	>2,000	300
LP346C	N	30	N	500	150	N	300	<500	>2,000	300
LP347C	N	30	N	2,000	100	N	300	700	>2,000	500
LP348C	N	20	N	200	100	N	150	N	>2,000	N
LP349C	N	30	N	500	70	N	1,000	700	>2,000	500
LP350C	N	50	N	H	150	N	1,000	<500	>2,000	1,000
LP352C	N	30	N	<20	100	N	500	<500	>2,000	500
LP353C	N	30	<20	H	200	N	700	<500	>2,000	300
LP354C	N	30	<20	200	200	<100	500	<500	>2,000	200
LP355C	N	20	30	H	200	N	700	N	>2,000	<200
LP356C	N	20	50	H	200	N	1,000	N	>2,000	300
LP357C	N	30	N	H	100	N	1,500	700	>2,000	200
LP358C	F	50	70	H	200	N	1,500	500	>2,000	1,000
LP359C	N	30	N	1,000	150	N	300	N	>2,000	<200
LP360C	N	20	N	3,000	150	N	200	<500	>2,000	N
LP361C	N	10	N	300	150	N	300	N	>2,000	N
LP362C	N	<10	N	N	100	N	100	N	>2,000	N
LP363C	N	20	70	<200	200	N	1,000	N	>2,000	300
LP364C	N	10	N	10,000	50	N	150	<500	>2,000	<200
LP365C	N	15	N	10,000	50	N	200	<500	>2,000	500
LP366C	N	30	N	500	100	N	500	500	>2,000	200
LP367C	N	70	N	700	150	N	700	500	>2,000	500
LP368C	N	10	N	2,000	150	N	300	N	>2,000	<200
LP370C	N	50	50	2,000	150	N	500	<500	>2,000	300
LP371C	N	70	N	1,000	150	N	700	500	>2,000	<200
LP372C	N	70	N	1,500	150	N	1,000	500	>2,000	500
LP373C	N	70	N	H	70	N	1,000	500	>2,000	200
LP374C	N	50	N	1,000	150	N	700	500	>2,000	300
LP375C	N	50	N	500	100	N	700	500	>2,000	<200
LP376C	F	30	<20	700	200	N	1,000	<500	>2,000	1,500
LP377C	N	70	N	200	150	N	1,000	700	>2,000	200
LP378C	N	20	50	2,000	100	N	200	1,000	>2,000	200
LP379C	N	50	100	700	150	N	700	500	>2,000	1,000
LP380C	F	<10	N	2,000	30	<100	100	700	>2,000	N
LP381C	N	20	N	10,000	150	100	100	N	>2,000	N
LP382C	F	50	N	500	150	N	1,000	500	>2,000	300
LP384C	F	30	1,000	2,000	100	N	300	500	>2,000	N
LP385C	N	10	70	1,500	70	N	100	<500	>2,000	<200
LP386C	N	30	30	700	150	N	500	<500	>2,000	300
LP387C	N	<10	N	5,000	100	N	70	N	>2,000	N
LP388C	N	15	N	2,000	150	N	150	N	>2,000	200
LP389C	N	30	<20	700	200	N	300	<500	>2,000	200
LP390C	N	70	N	700	150	N	700	500	>2,000	<200
LP391C	N	50	30	1,000	200	N	500	N	>2,000	200
LP392C	N	30	N	2,000	100	N	200	<500	>2,000	N

Table 4.--continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
LP393C	35 4 50	120 16 56	2.0	.50	1.00	2.0	500	N	N	N	50	>10,000
LP394C	35 5 56	120 17 30	2.0	.30	.50	2.0	300	N	N	N	30	>10,000
LP395C	35 4 53	120 15 47	1.5	1.00	2.00	.2	700	N	N	N	50	>10,000
LP396C	35 5 32	120 14 23	1.5	2.00	3.00	2.0	500	N	N	N	200	>10,000
LP397C	35 5 47	120 14 2	2.0	5.00	3.00	>2.0	700	N	N	N	30	>10,000
LP398C	35 6 9	120 13 54	.7	.15	2.00	>2.0	300	N	N	N	50	>10,000
LP399C	35 7 28	120 12 28	1.0	.10	.30	.5	100	N	N	N	30	3,000
LP400C	34 56 19	120 11 7	1.5	.20	3.00		200	N	N	N	50	>10,000
LP401C	35 7 29	120 12 23	.5	.07	1.00	>2.0	300	N	N	N	30	>10,000
LP402C	35 7 55	120 13 9	.5	.15	1.50	>2.0	500	N	N	N	30	>10,000
LP403C	35 7 54	120 11 32	5.0	.20	5.00	>2.0	1,000	N	N	N	70	>10,000
LP404C	35 8 45	120 10 48	.3	.05	.30	2.0	200	N	N	N	20	>10,000
LP405C	35 9 29	120 9 51	1.0	.20	.50	>2.0	700	N	N	N	70	7,000
LP406C	35 10 19	120 11 12	.7	.07	.20	2.0	200	N	N	N	20	>10,000
LP407C	35 10 18	120 11 16	2.0	.15	2.00	>2.0	1,500	N	N	N	100	>10,000
LP408C	35 8 43	120 8 41	1.0	.07	.15	2.0	1,000	N	N	N	20	5,000
LP409C	35 8 42	120 8 46	.5	.05	.20	2.0	100	N	N	N	20	10,000
LP410C	35 9 12	120 7 0	.7	.15	1.50	2.0	500	50	N	N	30	>10,000
LP412C	35 8 32	120 6 37	.7	.05	1.50	>2.0	500	N	N	N	50	>10,000
LP413C	35 7 53	120 5 13	.5	.07	.50	2.0	300	N	N	N	30	>10,000
LP414C	35 7 59	120 5 51	1.0	.10	.70	2.0	1,000	N	N	N	30	>10,000
LP415C	35 6 37	120 3 12	.5	.05	2.00	>2.0	700	N	N	N	30	>10,000
LP416C	35 6 58	120 2 40	1.5	.10	.50	2.0	500	N	N	N	20	>10,000
LP417C	35 14 32	120 12 6	1.5	.15	.30	2.0	300	N	N	N	30	>10,000
LP418C	35 14 33	120 14 1	2.0	.15	.30	2.0	500	N	N	N	50	>10,000
LP419C	35 14 34	120 14 5	.7	.15	.30	2.0	150	N	N	N	50	>10,000
LP420C	35 12 36	120 15 32	1.0	.10	.50	>2.0	500	N	N	N	30	>10,000
LP421C	35 13 43	120 17 23	2.0	.10	.20	2.0	700	N	N	N	100	>10,000
LP422C	35 14 11	120 19 48	1.5	.07	.50	2.0	500	N	N	N	30	>10,000
LP423C	35 14 35	120 20 29	2.0	.10	1.00	>2.0	1,000	N	N	N	50	10,000
LP424C	35 11 18	120 18 18	1.5	.10	.70	2.0	700	N	N	N	30	>10,000
LP425C	35 10 16	120 17 37	2.0	.15	2.00	>2.0	700	N	N	N	30	>10,000
LP426C	35 10 57	120 16 0	3.0	.15	.70	2.0	500	N	N	N	200	>10,000
LP427C	35 15 36	120 15 30	1.0	.10	.30	>2.0	500	N	N	N	20	>10,000
LP428C	35 15 25	120 18 18	2.0	.15	.30	2.0	700	N	N	N	30	>10,000
LP429C	35 17 10	120 19 44	1.0	.10	.30	2.0	200	N	N	N	20	7,000
LP430C	35 17 12	120 21 9	.5	.07	.30	2.0	100	N	N	N	20	7,000
LP431C	35 17 5	120 22 24	1.5	.10	.50	2.0	700	N	N	N	30	10,000
LP432C	35 17 14	120 23 32	1.5	.20	.50	2.0	700	N	N	N	50	10,000
LP433C	35 15 29	120 23 38	5.0	.20	1.00	2.0	1,000	N	N	N	100	>10,000
LP434C	35 15 28	120 23 42	3.0	.20	1.50	>2.0	1,500	N	N	N	200	>10,000
LP435C	35 19 19	120 19 26	1.5	.10	1.00	2.0	300	N	N	N	30	1,500
LP436C	35 16 18	120 18 11	2.0	.15	.70	>2.0	300	N	N	N	50	>10,000
LP437C	35 17 21	120 17 13	1.5	.07	.30	2.0	200	N	N	N	30	>10,000
LP438C	35 17 7	120 15 57	2.0	.10	.30	2.0	500	N	N	N	30	>10,000

Table 4.--continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
LP393C	N	N	N	10	300	15	<50	N	70	50	20
LP394C	N	N	N	10	500	15	N	N	50	30	20
LP395C	N	N	N	<10	200	15	N	N	N	30	<20
LP396C	N	N	N	20	1,000	10	N	N	50	70	N
LP397C	N	N	N	30	1,500	10	150	N	70	100	<20
LP398C	<2	N	N	10	70	<10	150	N	200	10	50
LP399C	N	N	N	<10	20	<10	N	N	50	N	20
LP400C	2	N	N	N	300	15	<50	30	50	30	7,000
LP401C	<2	N	N	10	30	<10	100	N	150	10	N
LP402C	<2	N	N	10	70	<10	100	N	150	10	<20
LP403C	<2	N	N	10	70	15	500	N	200	10	70
LP404C	2	N	N	10	20	20	100	N	50	20	200
LP405C	2	N	N	10	30	<10	200	N	150	20	200
LP406C	<2	N	N	<10	20	<10	100	N	70	20	70
LP407C	<2	N	N	10	30	<10	200	N	150	20	30
LP408C	<2	N	N	15	30	<10	150	N	50	30	30
LP409C	<2	N	N	10	20	<10	100	N	<50	30	30
LP410C	<2	N	N	10	50	<10	100	N	150	15	30
LP412C	<2	N	N	10	20	<10	150	N	150	20	50
LP413C	<2	N	N	10	<20	<10	100	N	70	20	50
LP414C	N	N	N	10	30	<10	1,000	N	100	10	70
LP415C	N	N	N	10	20	<10	200	N	150	10	50
LP416C	<2	N	N	10	20	10	100	N	70	10	50
LP417C	<2	N	N	10	50	10	<50	N	150	10	30
LP418C	<2	N	N	<10	30	10	150	N	70	10	70
LP419C	N	N	N	<10	30	10	<50	N	70	<10	50
LP420C	<2	N	N	10	50	<10	100	N	300	15	50
LP421C	<2	N	N	10	20	<10	<50	N	150	10	30
LP422C	2	N	N	<10	20	<10	300	N	100	20	300
LP423C	2	N	N	10	30	<10	200	N	150	20	50
LP424C	N	N	N	<10	30	10	100	N	100	<10	20
LP425C	2	N	N	10	30	<10	300	N	200	10	50
LP426C	N	N	N	<10	50	15	100	N	100	<10	30
LP427C	2	N	N	10	50	<10	300	N	70	20	200
LP428C	<2	N	N	10	20	<10	300	N	50	10	50
LP429C	2	N	N	10	20	<10	700	N	70	30	100
LP430C	2	N	N	10	20	<10	500	N	50	20	100
LP431C	2	N	N	10	30	<10	500	N	70	20	70
LP432C	2	N	N	10	30	<10	700	N	100	20	70
LP433C	<2	N	N	20	7,000	10	100	N	100	100	1,500
LP434C	N	N	N	30	5,000	20	100	15	150	100	50
LP435C	N	N	N	10	30	N	1,500	N	100	<10	20
LP436C	2	N	N	10	70	10	<50	N	200	20	50
LP437C	<2	N	N	<10	50	<10	150	N	150	20	50
LP438C	3	N	N	15	100	<10	150	N	200	20	50

Table 4.--continued

Sample	Si- μm s	Sc- μm s	Sn- μm s	Sr- μm s	V- μm s	W- μm s	Y- μm s	Zn- μm s	Zr- μm s	Th- μm s
LP393C	N	30	N	2,000	150	N	200	N	>2,000	200
LP394C	N	30	N	3,000	150	N	150	N	>2,000	N
LP395C	N	20	N	5,000	150	N	50	N	>2,000	N
LP396C	N	50	N	5,000	150	N	50	N	>2,000	N
LP397C	N	100	N	700	200	N	700	<500	>2,000	200
LP398C	N	70	20	1,000	200	N	30	500	>2,000	500
LP399C	N	15	N	300	50	N	100	N	>2,000	N
LP400C	N	70	<20	1,000	100	N	500	N	>2,000	N
LP401C	N	70	N	1,000	150	N	300	500	>2,000	500
LP402C	N	70	N	1,000	150	N	300	500	>2,000	700
LP403C	N	20	50	2,000	300	N	500	N	>2,000	300
LP404C	N	70	100	1,000	100	N	700	700	>2,000	200
LP405C	N	70	100	H	150	N	1,000	700	>2,000	1,000
LP406C	N	50	N	1,000	100	N	500	700	>2,000	200
LP407C	N	30	N	1,500	200	N	700	500	>2,000	<200
LP408C	N	50	150	H	100	N	1,000	700	>2,000	300
LP409C	N	50	70	H	70	N	1,000	700	>2,000	700
LP410C	N	50	N	500	150	N	700	500	>2,000	700
LP412C	N	50	<20	500	150	N	700	500	>2,000	1,500
LP413C	N	50	50	H	100	N	700	500	>2,000	500
LP414C	N	30	N	3,000	150	N	500	<500	>2,000	1,000
LP415C	N	30	N	3,000	200	N	500	500	>2,000	1,000
LP416C	N	50	N	7,000	70	N	300	<500	>2,000	N
LP417C	N	20	N	2,000	100	N	200	N	>2,000	200
LP418C	N	50	N	1,000	150	N	200	N	>2,000	<200
LP419C	N	10	N	700	100	N	100	N	>2,000	N
LP420C	N	70	N	1,000	200	N	500	<500	>2,000	N
LP421C	N	30	70	1,000	150	N	500	<500	>2,000	300
LP422C	N	50	N	2,000	150	N	700	500	>2,000	500
LP423C	N	70	N	500	200	N	1,000	500	>2,000	500
LP424C	N	<10	N	7,000	100	N	150	N	>2,000	N
LP425C	N	50	N	1,000	300	N	1,000	<500	>2,000	200
LP426C	N	15	N	3,000	100	N	200	500	>2,000	<200
LP427C	N	50	N	1,500	100	N	500	<500	>2,000	<200
LP428C	N	10	N	700	150	N	200	N	>2,000	<200
LP429C	N	70	N	H	70	N	1,000	700	>2,000	500
LP430C	N	100	N	H	70	N	1,000	700	>2,000	700
LP431C	N	50	N	500	150	N	500	<500	>2,000	300
LP432C	N	50	200	500	100	N	700	500	>2,000	500
LP433C	N	30	N	2,000	200	N	300	<500	>2,000	200
LP434C	N	30	N	10,000	200	N	500	<500	>2,000	700
LP435C	N	20	N	300	150	N	500	<500	>2,000	1,000
LP436C	N	70	N	700	200	N	500	<500	>2,000	N
LP437C	N	30	N	500	150	N	700	<500	>2,000	200
LP438C	N	70	<20	700	200	N	700	500	>2,000	1,500

Table 4.--continued

Sample	Latitude	Longitude	Fe-ppt. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
LP439C	35 19 24	120 14 45	.7	.05	<.10	>2.0	100	N	N	N	20	>10,000
LP440C	35 20 0	120 20 0	1.5	.10	2.00	>2.0	300	N	N	N	20	10,000
LP441C	35 20 14	120 20 53	1.0	.15	2.00	.5	300	N	N	N	30	2,000
LP442C	35 22 10	120 18 27	.7	.05	5.00	>2.0	700	N	N	N	20	1,000
LP443C	35 20 13	120 18 15	1.0	.20	5.00	>2.0	1,000	N	N	N	30	10,000
LP444C	35 20 43	120 16 9	3.0	.20	2.00	>2.0	700	N	N	N	50	10,000
LP445C	35 20 4	120 12 50	.7	.10	10.00	>2.0	1,000	N	N	N	20	1,500
LP446C	35 19 36	120 11 53	.7	.15	5.00	>2.0	700	N	N	N	20	700
LP447C	35 18 57	120 10 54	1.0	.20	2.00	>2.0	1,000	N	N	N	30	10,000
LP448C	35 19 13	120 9 47	2.0	.15	2.00	>2.0	1,000	N	N	N	30	10,000
LP449C	35 17 16	120 10 31	.7	.10	.20	>2.0	100	N	N	N	30	>10,000
LP450C	35 16 21	120 10 4	1.5	.15	.20	2.0	150	N	N	N	50	>10,000
LP451C	35 15 58	120 8 55	1.5	.20	.50	2.0	200	N	N	N	70	>10,000
LP452C	35 16 14	120 8 21	.3	.05	.10	>2.0	70	N	N	N	20	>10,000
LP453C	35 23 12	120 24 3	1.0	.10	7.00	>2.0	3,000	N	N	N	20	1,000
LP454C	35 23 38	120 24 27	2.0	.10	5.00	>2.0	1,000	N	N	N	30	2,000
LP455C	35 24 9	120 26 29	.5	.05	2.00	1.0	200	N	N	<20	20	1,000
LP456C	35 25 17	120 26 6	3.0	.07	3.00	1.0	700	N	N	N	<20	1,000
LP457C	35 26 19	120 22 54	2.0	.07	3.00	2.0	1,000	N	N	N	20	10,000
LP459C	35 25 56	120 21 21	.7	.05	3.00	2.0	200	N	N	N	<20	500
LP460C	35 25 40	120 20 56	.5	.05	2.00	1.0	300	N	N	N	<20	700
LP461C	35 24 37	120 19 26	1.0	.10	3.00	>2.0	1,500	N	N	N	<20	1,000
LP462C	35 24 32	120 18 58	1.5	1.00	7.00	>2.0	700	N	N	N	<20	500
LP463C	35 20 17	120 35 25	3.0	.50	1.50	.7	150	N	N	N	20	>10,000
LP464C	35 20 11	120 35 11	1.0	.20	1.00	.3	100	N	N	N	20	>10,000
LP466C	35 15 39	120 30 49	.7	.10	1.50	2.0	300	N	N	N	20	>10,000
LP467C	35 14 43	120 23 1	.5	.10	.50	1.5	100	N	N	N	20	>10,000
LP468C	35 14 24	120 22 57	.7	.07	.20	1.5	200	N	N	N	20	>10,000
LP469C	35 12 47	120 26 52	.5	.07	2.00	2.0	300	N	N	N	30	>10,000
LP470C	35 13 38	120 27 29	.7	.05	.10	1.5	700	N	N	N	20	>10,000
LP472C	35 15 16	120 29 55	2.0	.20	1.50	2.0	700	N	N	N	30	>10,000
LP473C	35 17 12	120 32 36	.7	.15	1.50	2.0	2,000	N	N	N	30	10,000
LP474C	35 17 13	120 32 39	.5	.07	2.00	2.0	300	N	N	N	20	>10,000

Table 4.--continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Cu-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
LP439C	<2	N	200	<10	70	<10	100	N	100	30	30
LP440C	<2	N	N	<10	30	<10	500	N	150	20	20
LP441C	2	N	N	N	20	N	500	N	50	N	<20
LP442C	N	500	N	<10	30	<10	300	N	300	10	70
LP443C	<2	N	N	10	100	10	300	10	200	10	50
LP444C	20	N	N	15	150	10	500	N	200	20	70
LP445C	N	<20	N	N	50	10	300	30	300	N	N
LP446C	N	N	N	N	20	10	200	20	500	N	N
LP447C	<2	N	N	N	70	10	300	15	300	10	20
LP448C	5	N	N	<10	100	10	1,500	10	200	10	70
LP449C	2	N	N	<10	70	<10	100	N	150	10	100
LP450C	<2	N	N	<10	50	<10	<50	N	200	10	20
LP451C	<2	N	N	<10	70	10	<50	N	100	10	<20
LP452C	3	N	N	10	50	10	500	N	150	30	100
LP453C	<2	20	N	10	20	<10	1,500	15	500	N	20
LP454C	<2	N	N	10	30	<10	700	20	200	<10	<20
LP455C	<2	N	N	N	<20	<10	300	N	70	<20	<20
LP456C	<2	N	N	<10	20	<10	150	N	100	N	20
LP457C	<2	N	N	<10	20	<10	500	N	200	N	30
LP459C	2	N	N	N	<20	N	500	N	150	N	<20
LP460C	2	N	N	<10	<20	<10	300	N	50	N	<20
LP461C	<2	N	N	<10	30	N	<50	10	300	N	300
LP462C	N	N	N	20	100	20	200	20	500	<10	<20
LP463C	N	N	N	<10	20	10	N	15	<50	15	150
LP464C	N	N	N	<10	50	300	<50	10	N	30	150
LP466C	N	N	N	15	30	15	<50	N	70	10	<20
LP467C	N	N	N	<10	200	<10	N	N	50	<10	200
LP468C	N	N	N	<10	700	<10	N	N	50	15	70
LP469C	N	N	N	<10	100	N	<50	N	70	N	20
LP470C	N	N	N	<10	300	<10	N	N	70	10	300
LP472C	N	N	200	<10	200	100	<50	20	150	30	5,000
LP473C	N	N	N	<10	100	<10	N	N	100	10	150
LP474C	N	N	N	<10	30	N	<50	N	100	10	50

Table 4.--continued

Sample	Sb--ppm s	Sc--ppm s	Sn--ppm s	Sr--ppm s	V--ppm s	W--ppm s	Y--ppm s	Zn--ppm s	Zr--ppm s	Th--ppm s
LP439C	N	70	N	1,000	150	N	500	700	>2,000	N
LP440C	N	30	N	500	200	N	500	500	>2,000	1,000
LP441C	N	10	N	500	50	N	200	N	>2,000	<200
LP442C	N	50	<20	300	200	N	500	<500	>2,000	500
LP443C	N	30	<20	500	300	N	700	N	>2,000	<200
LP444C	N	50	N	500	500	N	700	N	>2,000	300
LP445C	N	20	70	H	500	<100	1,000	N	>2,000	N
LP446C	N	20	50	H	300	N	1,000	N	>2,000	N
LP447C	N	30	20	H	300	N	1,000	N	>2,000	N
LP448C	N	70	50	H	300	N	2,000	<500	>2,000	700
LP449C	N	50	N	2,000	150	N	300	<500	>2,000	N
LP450C	N	30	N	700	100	N	300	N	>2,000	N
LP451C	N	20	N	2,000	100	N	200	N	>2,000	N
LP452C	N	70	N	1,000	150	N	1,000	700	>2,000	300
LP453C	N	50	70	H	200	N	1,500	<500	>2,000	500
LP454C	N	30	<20	H	300	N	1,500	<500	>2,000	700
LP455C	N	<10	N	200	50	N	200	N	>2,000	1,000
LP456C	N	<10	N	200	70	N	200	N	>2,000	N
LP457C	N	20	N	500	100	<100	300	N	>2,000	500
LP459C	N	<10	N	500	70	N	200	N	>2,000	300
LP460C	N	N	N	300	20	N	100	N	2,000	200
LP461C	N	20	500	N	150	<100	300	N	>2,000	N
LP462C	N	30	50	N	100	<100	500	N	>2,000	1,500
LP463C	N	N	N	2,000	70	N	100	N	>2,000	1,000
LP464C	N	N	N	1,000	100	N	30	N	>2,000	N
LP466C	N	15	N	500	150	N	150	N	>2,000	<200
LP467C	N	<10	<20	5,000	70	N	100	N	>2,000	200
LP468C	N	20	20	5,000	100	N	200	700	>2,000	N
LP469C	N	15	N	1,000	100	N	150	N	>2,000	N
LP470C	N	15	N	2,000	70	N	150	N	>2,000	N
LP472C	N	20	300	700	150	N	150	700	>2,000	<200
LP473C	N	30	N	500	100	N	200	<500	>2,000	N
LP474C	N	15	N	1,000	100	N	150	N	>2,000	200

Table 5A.--Analytical data from rocks from roadless areas in the Los Padres National Forest,

southwestern California

[N, not detected; <, detected but below the limit of determination shown; >, determined to be greater than the value shown; H, interfering spectra render analytical lines unusable.]

Sample	Latitude	Longitude	Fe-pct. S	Mg-pct. S	Ca-pct. S	Ti-pct. S	Mn-ppm S	Ag-ppm S	As-ppm S	Au-ppm S
LP4P	34 39 23	118 56 38	<.05	<.02	<.05	.007	<10	N	N	N
LP19P	34 50 31	119 10 22	2.00	1.00	.70	.300	500	N	N	N
LP20P	34 50 35	119 10 22	.05	.03	<.05	.007	30	N	N	N
LP23P	34 48 29	119 5 2	.07	.02	<.05	.003	30	.7	N	N
LP29P	34 45 19	119 0 57	1.00	.02	.07	.005	50	1.5	N	N
LP30PA	34 45 19	119 0 57	3.00	.70	.05	.700	200	1.5	N	N
LP30PB	34 45 19	119 0 57	7.00	.70	.07	.500	300	1.0	N	N
LP42P	34 45 25	118 59 37	15.00	.05	<.05	<.002	150	1.0	N	N
LP65P	34 45 54	119 0 32	.50	.10	.10	.015	30	N	N	N
LP500R	34 46 50	118 57 13	10.00	.03	<.05	.020	20	7.0	N	100
LP501R	34 46 50	118 57 13	1.00	.50	3.00	.050	500	N	N	N
LP502R	34 46 50	118 57 13	7.00	2.00	.20	.500	2,000	<.5	N	N
LP503R	34 46 50	118 57 13	.70	.20	.15	.100	200	N	N	N
LP504R	34 46 50	118 57 13	2.00	.70	.10	.070	500	1.5	N	N
LP505R	34 46 50	118 57 13	5.00	.70	.10	.300	1,000	N	N	N
LP506R	34 46 50	118 57 13	>20.00	.03	<.05	.005	<10	3.0	N	30
LP507R	34 46 50	118 57 13	5.00	.05	.15	.015	70	.5	N	N
LP508R	34 46 50	118 57 13	20.00	.07	.70	.020	15	10.0	N	100
LP509R	34 46 50	118 57 13	7.00	.05	<.05	.010	20	.7	N	N
LP510R	34 46 50	118 57 13	15.00	2.00	.15	.100	2,000	.7	N	N
LP511R	34 40 39	119 2 59	5.00	.70	.70	.500	500	N	N	N
LP521R	34 52 32	118 59 14	2.00	.70	3.00	.300	300	<.5	N	N
LP522R	34 52 32	118 59 14	7.00	.70	.50	.500	200	5.0	7,000	N
LP523R	34 52 32	118 59 14	15.00	.05	.15	.050	15	15.0	>10,000	10
LP524R	34 52 32	118 59 14	10.00	<.02	.05	.010	10	50.0	>10,000	15
LP525R	34 52 18	118 59 15	5.00	1.50	5.00	.500	500	1.5	700	N
LP526R	34 52 18	118 59 15	3.00	1.00	3.00	.500	200	1.0	700	N
LP527R	34 52 18	118 59 15	3.00	1.50	10.00	.500	300	<.5	N	N
LP528R	34 52 18	118 59 15	2.00	.20	10.00	.200	1,000	<.5	N	N
LP528RA	34 52 27	118 59 29	3.00	.20	.20	.300	70	10.0	10,000	N
LP528RB	34 52 18	118 59 15	7.00	.02	.10	.015	10	5.0	>10,000	N
LP529R	35 24 5	120 18 14	15.00	2.00	.10	.300	200	.5	200	N
LP530R	35 24 5	120 18 14	3.00	2.00	.70	.500	200	<.5	N	N
LP531R	35 24 5	120 18 14	.70	.20	1.00	.050	70	<.5	N	N
LP532R	35 24 6	120 18 20	5.00	.70	1.50	.300	150	<.5	N	N
LP533R	35 24 6	120 18 20	1.00	.50	1.00	.100	70	<.5	N	N
LP534R	35 24 3	120 18 10	.70	.15	.70	.050	300	N	N	N
LP535R	35 24 22	120 19 1	1.50	.70	.150	.300	300	N	N	N
LP536R	34 52 27	119 12 36	7.00	.50	5.00	.200	200	7.0	2,000	N
LP537R	34 52 27	119 12 36	5.00	.10	2.00	.150	30	3.0	1,500	N
LP538R	34 52 27	119 12 36	.20	.20	1.50	.020	150	N	N	N
LP539R	34 52 29	119 12 36	5.00	10.00	20.00	.030	2,000	N	N	N
LP547R	34 52 29	119 12 36	.70	.20	10.00	.100	70	<.5	N	N
LP540R	34 52 13	119 10 27	<.05	7.00	15.00	<.002	30	N	N	N
LP540RA	34 48 27	119 11 33	.10	2.00	20.00	.005	2,000	N	N	N

Table 5A.--continued

Sample	B--ppm S	Ba--ppm S	Be--ppm S	Bi--ppm S	Cd--ppm S	Co--ppm S	Cr--ppm S	Cu--ppm S	La--ppm S	Mo--ppm S
LP4P	10	<20	<1.0	N	N	N	<10	<5	N	N
LP19P	20	300	<1.0	N	N	7	100	20	<20	N
LP20P	15	70	<1.0	N	N	N	<5	<5	N	N
LP23P	15	70	<1.0	N	N	N	<10	<5	N	N
LP29P	10	<20	<1.0	20	N	N	<10	20	N	N
LP30PA	30	1,500	1.5	10	N	7	20	100	100	N
LP30PB	20	1,500	1.5	20	N	20	20	500	100	N
LP42P	30	300	<1.0	<10	N	200	N	700	<20	20
LP65P	20	300	2.0	N	N	N	<10	5	70	N
LP500R	<10	100	<1.0	200	N	30	20	200	N	10
LP501R	N	150	N	N	N	<5	<10	30	N	N
LP502R	<10	1,000	2.0	N	N	20	70	30	30	N
LP503R	N	300	<1.0	N	N	5	<10	100	N	N
LP504R	N	300	1.0	150	N	7	<10	30	<20	N
LP505R	<10	700	1.5	N	N	50	15	100	20	N
LP506R	<10	100	N	30	N	100	<10	20	20	<5
LP507R	N	150	N	N	N	20	10	7	N	N
LP503R	30	200	N	N	N	50	<10	10	N	N
LP509R	N	100	N	15	N	5	<10	300	<20	30
LP510R	30	100	N	10	N	30	70	500	<20	20
LP511R	<10	1,000	3.0	N	N	15	50	20	150	N
LP521R	20	700	2.0	N	N	5	10	N	<20	N
LP522R	70	1,000	1.5	N	N	5	15	5	20	N
LP523R	50	300	<1.0	N	N	<5	<10	<5	<20	N
LP524R	50	<20	<1.0	N	N	<5	<10	10	<20	N
LP525R	20	1,500	1.0	N	N	10	20	<5	20	N
LP526R	70	700	2.0	N	N	7	15	<5	70	N
LP527R	15	500	5.0	N	N	7	15	N	20	N
LP528R	100	150	2.0	N	N	<5	10	N	<20	N
LP528RA	20	300	<1.0	N	N	<5	<10	<5	<20	N
LP528Rd	15	20	N	N	N	<5	<10	N	<20	N
LP529R	15	3,000	1.5	N	N	<5	100	500	100	N
LP530R	<10	3,000	1.5	N	N	70	30	70	200	30
LP531R	N	5,000	2.0	N	N	N	10	15	100	N
LP532R	N	1,500	2.0	N	N	N	15	50	70	N
LP533R	N	200	1.5	N	N	N	10	10	20	30
LP534R	N	1,000	1.5	N	N	<5	<10	5	<20	N
LP535R	N	500	2.0	N	N	20	10	100	50	N
LP536R	15	>5,000	1.0	70	150	<5	50	200	50	N
LP537R	<10	>5,000	1.0	20	N	<5	30	70	30	N
LP538R	<10	5,000	<1.0	N	N	<5	15	7	<20	N
LP539R	<10	3,000	1.0	N	N	<5	50	5	<20	N
LP547R	N	>5,000	<1.0	N	N	<5	100	20	70	N
LP540R	N	<20	N	N	N	N	<10	N	<20	N
LP540RA	N	<20	N	N	N	N	N	N	N	N

Table 5A.--continued

Sample	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s
LP4P	N	<5	N	N	N	N	N	<10	N	<10
LP19P	<20	15	50	N	15	N	200	100	N	30
LP20P	N	5	N	N	N	N	N	<10	N	N
LP23P	N	<5	100	N	N	N	N	<10	N	<10
LP29F	N	<5	100	N	N	N	N	<10	N	<10
LP30PA	30	<5	2,000	N	20	N	<100	70	N	50
LP30PB	20	5	7,000	N	20	N	N	70	N	50
LP42P	N	50	10	N	N	N	N	50	N	10
LP65P	N	5	20	N	N	N	150	<10	N	10
LP500R	N	30	50	N	N	N	N	100	N	N
LP501R	N	7	N	N	N	N	N	20	N	N
LP502R	N	30	<10	N	30	N	N	300	N	50
LP503R	N	5	15	N	<5	N	N	20	N	<10
LP504R	N	5	70	N	<5	N	N	30	N	<10
LP505R	N	7	<10	N	15	N	N	100	N	50
LP506R	N	70	<10	N	N	N	N	<10	N	N
LP507R	N	10	10	N	<5	N	N	15	N	N
LP508R	N	20	<10	N	5	N	N	30	N	15
LP509R	N	5	<10	N	<5	N	N	20	N	N
LP510R	N	70	<10	N	15	N	N	100	N	30
LP511R	N	20	20	N	15	N	150	70	N	70
LP521R	N	<5	30	N	5	N	200	50	N	10
LP522R	N	<5	200	N	5	N	N	50	N	<10
LP523R	N	<5	300	100	N	N	N	10	N	N
LP524R	N	<5	7,000	1,000	N	N	N	10	N	N
LP525R	N	5	50	N	7	N	500	70	N	<10
LP526R	N	<5	30	N	5	N	300	50	N	10
LP527R	N	5	30	N	5	N	200	100	N	<10
LP528R	N	<5	20	N	<5	N	200	30	N	10
LP528RA	N	<5	1,500	<100	<5	N	100	20	N	N
LP528RB	N	<5	20	100	N	N	N	10	N	N
LP529R	N	15	15	N	15	N	100	200	N	20
LP530R	<20	<5	15	N	7	N	150	70	N	50
LP531R	N	<5	20	N	N	N	200	15	N	10
LP532R	N	5	15	N	7	N	500	30	N	10
LP533R	N	<5	10	N	N	N	150	30	N	10
LP534R	N	<5	30	N	<5	N	300	20	N	<10
LP535R	N	7	10	N	<5	N	200	30	N	10
LP536R	N	10	15	200	5	70	200	1,500	N	100
LP537R	N	N	70	200	<5	50	100	1,000	N	20
LP538R	N	15	15	N	N	N	N	200	N	15
LP539R	N	30	15	N	5	15	100	1,000	N	30
LP547R	N	5	10	N	<5	N	300	1,500	N	70
LP540R	N	N	<10	N	N	N	N	15	N	N
LP540RA	N	N	<10	N	N	N	150	15	N	N

Table 5A.--continued

Sample	Zn-ppm s	Zr-ppm s	Au-ppm aa	Hg-ppm inst	As-ppm aa	Zn-ppm aa	Cd-ppm aa	Bi-ppm aa	Sb-ppm aa
LP4P	N	20	N	.04	N	N	N	N	N
LP19P	N	150	N	.02	N	45	N	N	N
LP20P	N	<10	N	N	N	N	8.2	N	N
LP23P	N	<10	N	.04	N	5	N	N	N
LP29P	N	<10	8.60	.02	N	10	.1	24	N
LP30PA	N	500	1.40	.02	N	10	N	6	N
LP30PB	N	300	.45	.02	15	40	N	16	N
LP42P	N	N	.05	.10	25	15	.1	28	N
LP65P	N	N	N	.10	N	5	N	N	N
LP500R	N	N	380.00	.04	10	20	N	130	N
LP501R	N	20	.70	.02	N	10	N	N	N
LP502R	<200	70	.70	.02	N	85	N	N	N
LP503R	N	50	.10	.04	10	10	N	10	N
LP504R	N	100	.10	.10	50	40	N	250	N
LP505R	N	70	<.05	.04	25	40	.2	N	N
LP506R	N	<10	55.00	N	N	<5	N	14	N
LP507R	N	10	2.30	N	25	<5	N	4	N
LP508R	N	10	140.00	.40	15	<5	N	2	N
LP509R	N	10	18.00	.16	10	10	N	18	N
LP510R	500	20	N	.08	55	260	.1	14	N
LP511R	N	300	N	.02	N	80	N	<2	N
LP521R	N	100	N	.04	80	80	.1	N	N
LP522R	N	200	2.20	.02	2.300	90	.1	N	4
LP523R	N	30	8.00	.02	>5.000	15	N	N	100
LP524R	<200	30	53.00	.50	>5.000	80	2.7	2	700
LP525R	N	150	N	.02	460	110	N	N	N
LP526R	N	100	.10	N	960	60	.2	<2	2
LP527R	N	100	N	.02	20	65	N	N	1
LP528R	N	50	N	.02	10	25	N	N	N
LP528RA	<200	100	6.00	1.50	>5.000	130	13.0	<2	20
LP528RB	N	<10	2.50	.10	>5.000	40	.2	N	80
LP529R	N	300	N	.02	200	100	.5	N	6
LP530R	N	200	N	.02	30	30	.1	N	N
LP531R	N	300	N	N	15	<5	N	N	N
LP532R	N	200	N	N	N	35	.1	N	N
LP533R	N	100	N	N	N	10	.1	N	N
LP534R	N	50	<.05	N	N	5	N	N	N
LP535R	N	150	N	N	55	30	.1	N	5
LP536R	5.000	70	1.00	8.00	1.100	>2.000	36.0	12	85
LP537R	300	50	.50	1.40	800	100	1.0	8	80
LP538R	N	<10	.05	.04	30	40	.2	N	4
LP539R	300	10	<.05	.02	N	30	.1	N	N
LP547R	N	70	.05	N	20	15	.1	N	23
LP540R	N	N	N	N	N	<5	.1	N	N
LP540RA	N	N	N	N	N	<5	.2	N	N

Table 5A.--continued

Sample	Latitude	Longitude	Fe-pct. S	Mg-pct. S	Ca-pct. S	Ti-pct. S	Mn-ppm S	Ag-ppm S	As-ppm S	Au-ppm S
LP541R	34 52 42	119 6 34	1.00	.20	10.00	.020	2,000	5.0	1,500	N
LP542R	34 52 37	119 6 37	3.00	1.00	3.00	.150	>5,000	N	N	N
LP543R	34 52 42	119 6 34	3.00	1.50	5.00	.300	500	N	N	N
LP544R	34 52 42	119 6 34	5.00	1.00	1.50	.300	1,000	5.0	5,000	N
LP545R	34 52 42	119 6 34	1.50	.50	3.00	.100	200	N	<200	N
LP546R	34 52 42	119 6 39	2.00	1.50	5.00	.150	500	N	N	N
LP548R	34 52 42	119 6 34	3.00	2.00	20.00	.100	>5,000	N	N	N
LP549R	34 52 42	119 6 34	.07	.02	.50	.002	150	100.0	300	N
LP550R	34 52 42	119 6 34	<.05	<.02	.15	.005	<10	150.0	<200	N
LP551R	34 43 47	118 58 39	5.00	1.00	.10	.300	300	3.0	N	N
LP007R	34 46 11	118 56 42	1.50	.30	2.00	.100	300	N	N	N
LP007RA	34 46 11	118 56 42	10.00	.07	<.05	.500	100	5.0	N	N
LP012R	34 45 43	119 0 45	10.00	.45	5.00	.020	700	3.0	N	10
LP012RA	34 45 43	119 0 45	2.00	.10	1.50	.005	300	1.0	N	N
LP012RB	34 45 43	119 0 45	10.00	.07	.07	.030	500	2.0	N	20
LP021R	34 57 30	120 3 46	3.00	<.02	<.05	.002	150	N	N	N
LP021RA	34 57 30	120 3 46	20.00	.02	<.05	.050	N	2.0	200	N
LP059R	34 50 34	119 21 4	.70	.15	.50	.100	200	3.0	N	N
LP059RA	34 50 34	119 21 4	3.00	1.00	1.50	.500	500	2.0	N	N
LP204R	34 42 6	118 54 27	N	<.02	<.05	.002	10	1.5	N	N
LP204RA	34 42 13	118 54 50	N	.02	<.05	.005	20	3.0	N	N
LP207R	34 41 11	118 53 4	.50	<.02	<.05	<.002	10	1.5	N	N
LP215R	34 43 47	118 58 39	5.00	.50	10.00	.070	5,000	5.0	N	N
LP237R	34 46 50	118 57 13	3.00	<.02	<.05	<.002	50	100.0	N	N
LP239R	34 45 5	118 56 37	1.00	.50	1.50	.150	500	1.5	N	N
LP241R	34 52 18	118 59 16	3.00	.70	1.50	.300	500	1.0	N	N
LP286R	34 46 29	119 0 35	.50	.05	<.05	.070	70	1.0	N	N
LP286RA	34 46 11	119 0 38	1.50	.30	.10	.300	150	.7	N	N
LP291RA	34 46 28	119 4 51	N	.05	2.00	<.002	<10	N	N	N
LP393R	35 6 0	120 17 13	3.00	.20	15.00	.100	3,000	.7	N	N
LP462R	35 24 22	120 19 1	.20	.05	.10	.050	20	.5	N	N
VF81C131	34 49 44	119 5 2	.50	.10	1.00	.050	150	N	N	N
VF81C145	34 43 6	118 56 23	.30	.05	.50	.050	200	N	N	N
VF81C148	34 42 3	118 56 1	1.50	.07	.50	.150	200	N	N	N
VF81C151	34 40 58	118 57 9	5.00	.70	1.00	.700	700	N	N	N
VF81C155	34 47 1	118 59 59	2.00	.50	.70	.300	500	N	N	N
VF81C158	34 47 1	118 59 40	1.00	.30	.05	.100	100	N	N	N
VF81C160	34 46 47	118 59 44	2.00	.20	.15	.150	100	N	N	N
VF81C175	34 43 59	119 2 17	5.00	1.00	.70	1.000	1,000	N	N	N
VF81C201	34 48 41	118 58 13	.10	.03	1.50	.200	200	N	N	N
VF81C210	34 47 16	118 58 22	1.00	.50	.15	.200	100	<.5	N	N
VF81C213	34 47 36	118 58 13	.05	<.02	<.05	<.002	<10	N	N	N
VF81C217	34 46 18	118 57 4	3.00	.70	1.50	.300	500	N	N	N
VF81C218	34 48 5	118 57 37	5.00	.70	1.50	.500	1,000	<.5	N	N
VF81C240	34 41 50	118 55 54	1.00	.30	1.00	.150	300	N	N	N

Table 5A.--continued

Sample	B--ppm S	Ba--ppm S	Be--ppm S	Bi--ppm S	Cd--ppm S	Co--ppm S	Cr--ppm S	Cu--ppm S	La--ppm S	Mo--ppm S
LP541R	100	300	1.0	N	N	N	10	15	N	N
LP542R	15	150	1.5	N	N	<5	<10	N	150	N
LP543R	20	300	1.5	N	N	10	20	N	20	N
LP544R	700	300	1.5	N	N	20	30	20	30	N
LP545R	50	300	1.0	N	N	<5	<10	N	20	N
LP546R	30	200	<1.0	N	N	7	10	7	<20	N
LP548R	10	150	<1.0	N	N	15	30	10	30	N
LP549R	15	20	N	N	N	N	<10	150	50	N
LP550R	15	20	N	N	N	N	<10	200	50	N
LP551R	<10	300	1.0	N	N	7	30	300	20	N
LP007R	20	70	3.0	<10	N	5	N	10	50	N
LP007RA	20	300	1.0	700	N	30	100	500	20	5
LP012R	15	70	2.0	15	N	30	30	200	N	N
LP012RA	10	50	<1.0	N	N	7	N	10	N	N
LP012RB	20	150	1.5	N	N	20	70	200	N	20
LP021R	N	>5,000	5.0	N	N	N	N	10	20	N
LP021RA	10	>5,000	<1.0	N	N	N	20	10	20	N
LP059R	15	700	1.5	N	N	N	<10	<5	N	N
LP059RA	10	700	2.0	N	N	15	15	10	50	N
LP204R	<10	50	N	N	N	N	<10	5	N	5
LP204RA	<10	50	N	N	N	N	<10	5	N	N
LP207R	<10	50	N	N	N	N	<10	30	N	N
LP215R	<10	100	1.0	<10	N	7	30	5,000	700	1,500
LP237R	10	50	<1.0	10	N	20	<10	500	N	7
LP239R	<10	200	<1.0	N	N	<5	15	7	N	<5
LP241R	30	1,000	3.0	N	N	7	15	<5	<20	N
LP286R	10	500	1.0	N	N	N	10	7	N	N
LP286RA	15	300	1.0	N	N	5	15	15	<20	N
LP291RA	>2,000	150	N	N	N	N	10	<5	N	5
LP393R	1,000	500	1.0	N	N	<5	20	7	<20	N
LP462R	100	700	<1.0	N	N	N	<10	50	N	N
VF81C131	20	2,000	1.5	N	N	N	<10	N	<20	N
VF81C145	10	1,000	2.0	N	N	<5	<10	N	N	N
VF81C148	10	1,500	1.5	N	N	<5	10	10	<20	7
VF81C151	<10	1,500	1.5	<10	N	15	30	30	200	N
VF81C155	15	2,000	1.5	N	N	7	15	<5	100	N
VF81C158	15	700	1.5	N	N	<5	15	<5	50	N
VF81C160	15	1,500	1.5	N	N	<5	50	<5	70	N
VF81C175	15	1,500	1.5	<10	N	20	100	30	100	N
VF81C201	10	20	1.0	N	N	N	30	N	<20	N
VF81C210	10	50	1.0	N	N	<5	15	<5	N	N
VF81C213	10	50	<1.0	N	N	N	10	<5	<20	N
VF81C217	<10	700	2.0	N	N	10	10	<5	<20	N
VF81C218	15	1,000	1.5	<10	N	15	30	20	<20	N
VF81C240	15	1,500	1.5	N	N	<5	<10	N	70	N

Table 5A.--continued

Sample	Nb--ppm s	Ni--ppm s	Pb--ppm s	Sb--ppm s	Sc--ppm s	Sn--ppm s	Sr--ppm s	V--ppm s	W--ppm s	Y--ppm s
LP541R	20	5	10	1,000	N	N	100	15	1,000	<10
LP542R	N	7	15	N	15	N	700	50	N	70
LP543R	N	20	15	100	7	N	500	50	N	<10
LP544R	N	30	15	3,000	10	N	100	70	N	10
LP545R	N	<5	15	500	<5	N	500	20	N	N
LP546R	N	10	10	N	5	N	1,000	30	N	N
LP548R	N	30	20	N	7	N	100	100	N	30
LP549R	N	N	15	>1,000	N	N	N	10	N	<10
LP550R	N	N	15	>1,000	N	N	N	10	N	<10
LP551R	N	20	1,000	200	7	20	N	50	N	20
LP007R	N	20	15	N	7	N	200	20	N	20
LP007RA	N	20	20	N	10	N	N	100	N	N
LP012R	N	50	150	N	5	N	100	50	N	<10
LP012RA	N	15	50	N	N	N	100	10	N	N
LP012RB	<20	50	150	N	N	N	N	100	N	10
LP021R	N	7	10	N	5	N	>5,000	10	N	10
LP021RA	N	5	50	200	5	N	>5,000	20	N	<10
LP059R	<20	<5	10	N	<5	N	300	20	N	10
LP059RA	<20	10	10	N	15	N	500	100	N	15
LP204R	N	<5	<10	N	N	N	N	<10	N	10
LP204RA	N	<5	<10	N	N	N	N	<10	N	10
LP207R	N	5	<10	N	N	N	N	<10	N	10
LP215R	N	20	500	N	7	N	500	30	N	300
LP237R	N	5	>20,000	<100	N	N	150	<10	N	10
LP239R	N	7	150	N	5	N	N	50	N	10
LP241R	<20	5	30	N	5	N	300	70	N	10
LP280R	N	5	15	N	N	N	N	<10	N	10
LP286RA	<20	15	10	N	7	N	N	70	N	15
LP291RA	N	<5	N	N	N	N	>5,000	<10	N	10
LP393R	N	5	15	N	5	N	1,000	30	N	20
LP462R	N	<5	10	N	N	N	200	<10	N	10
VF81C131	N	<5	20	N	<5	N	1,000	<10	N	30
VF81C145	N	<5	20	N	N	N	500	<10	N	<10
VF81C148	N	<5	15	N	<5	N	200	<10	N	<10
VF81C151	20	15	30	N	15	N	300	70	N	200
VF81C155	<20	7	50	N	7	N	300	30	N	100
VF81C158	N	7	<10	N	<5	N	N	15	N	10
VF81C160	N	10	30	N	<5	N	<100	30	N	30
VF81C175	<20	30	50	N	20	N	200	100	N	70
VF81C201	N	<5	N	N	7	N	150	30	N	<10
VF81C210	N	15	<10	N	5	N	200	30	N	<10
VF81C213	N	N	N	N	N	N	N	<10	N	<10
VF81C217	N	5	15	N	7	N	1,000	50	N	<10
VF81C218	N	15	15	N	20	N	200	70	N	50
VF81C240	N	<5	20	N	<5	N	1,000	10	N	30

Table 5A.--continued

Sample	Zn-ppm s	Zr-ppm s	Au-ppm aa	Hg-ppm inst	As-ppm aa	Zn-ppm aa	Cd-ppm aa	Bi-ppm aa	Sb-ppm aa
LP541R	N	N	1.00	.10	600	5	N	N	300
LP542R	N	N	N	.04	N	15	N	N	N
LP543R	N	100	N	.20	N	40	N	N	33
LP544R	N	200	2.70	.35	1,800	60	N	N	1,200
LP545R	N	70	<.05	.18	80	25	N	N	150
LP546R	N	200	N	.02	N	20	.1	N	N
LP548R	N	10	N	.04	N	25	N	N	N
LP549R	N	N	.50	.45	65	<5	.1	N	>5,000
LP550R	N	N	.05	.40	65	15	N	N	>5,000
LP551R	N	300	.70	.06	N	50	N	N	110
LP007R	N	100	--	--	--	--	--	--	--
LP007RA	N	50	--	--	--	--	--	--	--
LP012R	N	N	--	--	--	--	--	--	--
LP012RA	N	N	--	--	--	--	--	--	--
LP012RB	N	N	--	--	--	--	--	--	--
LP021R	200	N	--	--	--	--	--	--	--
LP021RA	N	N	--	--	--	--	--	--	--
LP059R	N	30	N	.10	<5	25	N	<2	N
LP059RA	<200	100	N	.14	<5	85	N	<2	N
LP204R	N	N	N	.02	<5	<5	N	<2	N
LP204RA	N	N	N	.04	N	5	N	<2	N
LP207R	N	N	N	.14	5	<5	N	N	N
LP215R	200	150	15.00	.35	30	10	3.7	22	56
LP237R	N	N	13.00	.35	<5	460	2.2	2	N
LP239R	N	30	N	.20	N	25	N	<2	N
LP241R	<200	70	N	.26	35	110	N	<2	N
LP286R	N	50	N	.10	N	5	N	<2	N
LP286RA	N	500	--	.35	15	45	N	<2	<1
LP291RA	N	N	--	.35	N	5	N	<2	<1
LP393R	N	30	--	>10.00	<5	60	N	<2	<1
LP462R	N	100	--	>10.00	N	5	N	<2	<1
VF81C131	N	100	--	3.00	--	--	--	--	--
VF81C145	N	70	--	4.00	--	--	--	--	--
VF81C148	N	300	--	6.00	--	--	--	--	--
VF81C151	N	500	--	.70	--	--	--	--	--
VF81C155	N	200	--	1.00	--	--	--	--	--
VF81C158	N	500	--	.50	--	--	--	--	--
VF81C160	N	300	--	.70	--	--	--	--	--
VF81C175	N	500	--	.35	--	--	--	--	--
VF81C201	N	70	--	>10.00	--	--	--	--	--
VF81C210	N	200	--	4.00	--	--	--	--	--
VF81C213	N	N	--	2.50	--	--	--	--	--
VF81C217	N	200	--	6.00	--	--	--	--	--
VF81C218	N	300	--	4.00	--	--	--	--	--
VF81C240	N	150	--	1.50	--	--	--	--	--

Table 5A.--continued

Sample	Latitude	Longitude	Fe-pct. S	Mg-pct. S	Ca-pct. S	Ti-pct. S	Mn-ppm S	Ag-ppm S	As-ppm S	Au-ppm S
VF81C242	34 38 43	118 57 27	.70	.15	.30	.150	500	N	N	N
VF81C243	34 38 54	118 57 27	.20	.05	.10	.100	70	N	N	N
VF81C253	34 40 13	118 58 16	.50	.07	.20	.100	700	N	N	N
810B14	34 43 37	118 55 42	<.05	<.02	.30	.002	20	N	N	N

Sample	H-ppm S	Ba-ppm S	Be-ppm S	Bi-ppm S	Cd-ppm S	Co-ppm S	Cr-ppm S	Cu-ppm S	La-ppm S	Mo-ppm S
VF81C242	15	1,000	2.0	N	N	<5	<10	<5	70	N
VF81C243	10	300	1.5	N	N	<5	<10	15	N	N
VF81C253	10	300	15.0	N	N	<5	<10	N	N	N
810B14	10	5,000	<1.0	N	N	<5	<10	<5	<20	N

Sample	Hb-ppm S	Ni-ppm S	Pb-ppm S	Sb-ppm S	Sc-ppm S	Sn-ppm S	Sr-ppm S	V-ppm S	W-ppm S	Y-ppm S
VF81C242	20	<5	15	N	5	N	<100	<10	N	30
VF81C243	20	<5	<10	N	<5	N	N	<10	N	30
VF81C253	20	<5	30	N	<5	N	N	<10	N	20
810B14	N	<5	N	N	N	N	300	<10	N	<10

Sample	Zn-ppm S	Zr-ppm S	Au-ppm aa	Hg-ppm inst	As-ppm aa	Zn-ppm aa	Cd-ppm aa	Bi-ppm aa	Sb-ppm aa
VF81C242	N	100	--	1.50	--	--	--	--	--
VF81C243	N	70	--	2.50	--	--	--	--	--
VF81C253	N	50	--	1.00	--	--	--	--	--
810B14	N	<10	--	7.00	--	--	--	--	--

Table 5B. Uranium and thorium analyses¹ from rocks
having scintillometer readings > 2 X background

Sample Number	U (ppm)	Th (ppm)
LP529R	143	<28
LP530R	11.7	107
LP531R	3.43	40.8
LP532R	75.9	<16
LP533R	16.5	<5.8
LP534R	2.30	3.9
LP535R	124	<23
LP536R	221	<39
LP537R	97.3	<19
LP538R	5.97	<3.2
LP539R	17.8	<5.5
LP547R	227	<40

¹Analyses by delayed neutron technique (Millard, 1976).

Table 5C. Description of rock samples from roadless areas
in the Los Padres National Forest, southwestern California

Sample No.	Description
LP 4P	Quartz vein
19P	Microbreccia
20P	Quartz vein
23P	Quartz vein
29P	Quartz vein
30PA	Brecciated quartz with iron oxide
30PB	Brecciated quartz with iron oxide
42P	Quartz with iron oxide
65P	Pegmatite
500R	Brecciated quartz with limonite
501R	Brecciated quartz with limonite
502R	Quartz vein
503R	Quartz vein with minor copper staining
504R	Microbreccia
505R	Quartz vein
506R	Pyrite-bearing quartz
507R	Pyrite-bearing quartz
508R	Pyrite-bearing quartz
509R	Breccia with limonite
510R	Brecciated quartz
511R	Granitic rock
521R	Biotite-rich granitic rock
522R	Biotite-rich granitic rock
523R	Quartz with sulfides
524R	Quartz with sulfides
525R	Biotite-rich granitic rock
526R	Biotite-rich granitic rock
527R	Calcite-quartz vein
528R	Calcite vein
528RA	Tailings from Black Bob Mine
528RB	Brecciated quartz
529R	Sericite schist
530R	Pegmatite
531R	Pegmatite
532R	Sandy biotite schist
533R	Sandy biotite schist
534R	Granitic rock
535R	Sandy biotite schist
536R	Meta-sandstone with iron oxide
537R	Meta-sandstone with iron oxide
538R	Meta-sandstone
539R	Calc-silicates
547R	Meta-sandstone with iron oxide
540R	Marble
540RA	Marble
541R	Quartz vein
542R	Quartz-biotite-garnet-feldspar vein
LP 543R	Granodiorite

LP	544R	Granodiorite
	545R	Quartz vein
	546R	Quartz vein
	548R	Iron oxide coating
	549R	Stibnite vein
	550R	Stibnite-quartz vein
	551R	Quartz vein
	007R	Quartz vein with pyrite
	007RA	Quartz vein with pyrite
	012R	Quartz vein with pyrite
	012RA	Quartz vein with limonite
	012RB	Quartz vein with limonite
	021R	Barite vein with iron oxide
	021RA	Barite vein with iron oxide
	059R	Quartz vein
	059RA	Granodiorite
	204R	Quartz vein
	204RA	Quartz vein
	207R	Quartz vein
	215R	Sulfide-bearing quartz vein
	237R	Sulfide-bearing quartz vein
	239R	Quartz vein
	241R	Granitic rock with iron oxide
	286R	Quartz vein
	286RA	Quartz vein
	291RA	Borate ore (Colmanite)
	393R	Calcite vein with cinnabar
LP	462R	Biotite schist
VF	81C131	Granitic rock
	81C145	Granitic rock
	81C148	Granitic rock
	81C151	Granitic rock
	81C155	Granitic rock
	81C158	Granitic rock
	81C160	Granitic rock
	81C175	Granitic rock
	81C201	Granitic rock
	81C210	Granitic rock
	81C213	Granitic rock
	81C217	Granitic rock
	81C218	Granitic rock
	81C240	Granitic rock
	81C242	Granitic rock
	81C243	Granitic rock
VF	81C253	Granitic rock
	810B14	Quartz vein

Table 6. Analytical data from water samples from the roadless areas in the Los Padres National Forest, southwestern California*

Sample	Latitude	Longitude	F ⁻	Cl ⁻	SO ₄ ²⁻	NO ₃ ⁻	Cu	Zn	Mo
LP 046W	34 48 10	119 17 30	0.26	18	29	32	1.1	8.7	0.6
059W	34 50 38	119 20 54	2.3	80	120	2	3.7	12	4.9
094W	34 32 12	118 53 53	1.2	3.1	395	L(0.1)	1.4	11	5.1
125W	34 35 41	118 59 54	12	450	360	L(0.1)	9.4	17	2.0
237W	34 45 40	118 56 30	0.38	9.3	120	L(0.1)	7.3	2.1	10.1
335W	34 51 28	119 42 03	6.6	475	12,900	L(0.1)	18	5.8	16.0
337W	34 52 20	119 43 38	0.84	40	1,560	L(0.1)	0.9	9.7	10.0
338W	34 53 03	119 42 18	1.0	2.18	7,100	L(0.1)	11	9.0	8.0
341W	34 52 49	119 47 22	0.50	19	140	L(0.1)	4.5	9.7	1.1
359W	34 56 27	120 10 09	0.46	18	260	L(0.1)	5.2	6.5	8.5
381W	34 57 40	120 10 30	0.53	5.5	23	3.5	0.9	30	22.0
390W	34 59 48	120 07 05	0.9	49	40	L(0.1)	1.5	3.0	4.7
391W	35 01 13	120 06 52	0.8	20	32	L(0.1)	4.0	3.2	1.9
416W	35 08 33	120 01 36	1.3	214	2,200	L(0.1)	7.1	5.6	4.5
437W	35 17 25	120 17 08	0.8	61	900	L(0.1)	3.6	5.5	1.1
LP 446W	35 19 23	120 12 26	0.54	30	163	L(0.1)	2.1	5.5	1.5

*Anions are reported in ppm. Cations are reported in ppb.