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Analyses of Rock, Soils, Stream Sediments, and Heavy-Mineral Concentrates of the Elkhorn Wilderness, Montana

by

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Introduction

The geochemical investigation of the Elkhorn Wilderness, Jefferson and Broadwater Counties, Montana, consisted of the collection and analyses of 1420 samples. This includes 700 rocks, 222 stream sediments, 119 soils, and 192 heavy-mineral concentrates. All samples were prepared and analyzed on location by mobile laboratories of the U.S. Geological Survey during the summer of 1977. Sample localities and analytical results are listed in this report. Data of nonmagnetic fractions of heavy-mineral concentrates are listed on Table 1 and data of magnetic fractions are on Table 2. Rock, soil, and stream-sediment data are on Tables 3, 4, and 5 respectively. The analytical and geologic data were entered into a computer storage system (RASS II) by S. K. McDanal and C. M. McDougal, and retrievals were handled by George VanTrump and T. M. Billings.

Geochemical sampling was carried out and analytical support was given by a U.S. Geological Survey field party consisting of W. R. Miller, W. R. Greenwood, S. D. Ludington, D. F. Thompson, E. B. Bittner, J. M. Allen, J. B. McHugh, F. L. Wehr, and L. D. Brooks.

Preparation of Samples

Rock samples were crushed to approximately 0.25 inch (6 mm) and pulverized to minus-140-mesh (0.105 mm) in a vertical grinder with ceramic plates. Stream sediments were dried and sieved to a minus-80-mesh (0,177 mm) fraction and then pulverzied. Heavy-mineral concentrates were panned at the sample site. In the laboratory, the concentrate was dried and sieved to minus-18-mesh (1.00 mm) and magnetite was removed with a hand magnet. The concentrate was then separated at a specific gravity of 2.86 with bromoform into a light fraction and a heavy fraction. The light fraction was discarded. The heavy-mineral fraction was separated electromagnetically be a Frantz[1/] isodynamic separator set at a forward and side angle of 15 degrees and an ampere setting of 0.2. The magnetic fraction at 0.2 amperes was discarded and the nonmagnetic fraction further separated electromagnetically at a setting of 0.6 amperes. The latter two fractions were analyzed.

[1/] Use of brand names in this report is for descriptive purposes only and does not constitute endorsement by the U.S. Geological Survey.

Analytical Procedures

Each sample (rock, stream sediment, soil, magnetic and nonmagnetic heavy-mineral concentrate) was analyzed semiquantitatively for 31 elements by a six-step, D. C. Arc, optical emission spectrographic method (Grimes and Marranzino, 1968). In addition, rocks, stream sediments, and soils were analyzed for zinc by an atomic absorption technique (Ward and others, 1969, p. 33) and for arsenic by a colorimetric method (Ward and others, 1963, p. 40). Fluorine was also done on selected rock samples according to the method of Crenshaw and Ward (1975, p. 77).

The semiquantitative spectrographic values are reported as six steps per order of magnitude (1, 0.7, 0.5, 0.3, 0.2, 0.15, or multiples of 10 of these numbers) and are approximate geometric midpoints of the concentration ranges. The precision is shown to be within one adjoining reporting interval on each side of the reported value 83 percent of the time and within two adjoining intervals on each side of the reported value 96 percent of the time (Motooka and Grimes, 1976).

The emission spectrographic method generally follows that described by Grimes and Marranzino. However, owing to the enhancement of iron, titanium, and zirconium in heavy-mineral concentrates, a modification is necessary. The sample is mixed with equal amounts of spectrographically pure quartz to reduce spectral interferences. Consequently, the lower limits of determination are doubled.

Explanation of Tables

The letters following stream-sediment sample identification numbers indicate sample fraction size: s, minus-40-mesh; sc, minus-80-mesh. Iron, magnesium, calcium, and titanium values are reported in percent (%), all other elements are in parts per million. Letters preceding chemical symbols indicate the method of analysis: S, six-step semiquantitative spectrographic method; AA, atomic absorption; CM, colorimetric method; and SI, selective ion electrode. Other symbols shown on the table are: N, not detected; --, not determined; <, amount detected is below the lowest limit of determination, which is figure shown; >, amount detected is above the highest limit of determination, which is figure shown.

References Cited

Crenshaw, G. L., and Ward, F. N., 1975, Determination of fluorine in soils and rocks by known-increment addition and selective-ion electrode detection; in Ward, F. N., New and refined methods of trace analysis useful in geochemical exploration: U.S. Geol. Survey Bull. 1408, p. 77-84.

Grimes, D. J., and Marranzino, A. P., 1968, Direct-current arc and alternating-current spark emission spectrographic field methods for the semiquantitative analyses of geologic materials: U.S. Geol. Survey Circ. 591, 6 p.

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Ward, F. N., Lakin, H. W., Canney, F. C., and others, 1963, Analytical methods used in geochemical exploration by the U.S. Geological Survey: U.S. Geol. Survey Bull. 1152, 100 p.

Ward, F. N., Nakagawa, H. M., Harms, T. F., and VanSickle, G. H., 1969, Atomic absorption methods of analysis useful in geochemical exploration: U.S. Geol. Survey Bull. 1289, 45 p.

Table 1. Nonmagnetic fraction of heavy mineral concentrates

sample	LATITUDE	LONGITUD	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE	S-BI
ME15HN	46 19 6	111 46 40	7.0	2.00	10.0	1.5	1,500	N	N	N	100	700	N	N
ME16HN	46 19 6	111 45 24	5.0	2.00	7.0	1.0	700	N	N	N	30	500	<2	N
ME17HN	46 18 10	111 44 12	5.0	2.00	10.0	1.5	700	N	N	30	500	500	N	N
77MEJ8HN	46 17 21	111 43 9	5.0	7.00	15.0	.7	1,000	N	N	N	100	200	<2	N
ME14HN	46 22 6	111 53 2	1.0	.20	3.0	1.5	200	N	N	N	200	700	<2	N
ME15HN	46 21 15	111 50 49	15.0	1.00	5.0	1.5	700	5.0	N	N	2,000	700	<1	20
ME21HN	46 20 39	111 51 50	10.0	2.00	10.0	1.0	700	N	N	N	1,000	300	N	N
ME34HN	46 20 53	111 55 17	2.0	.30	15.0	>2.0	500	N	700	N	500	200	N	N
77ME37HN	46 26 26	111 57 44	2.0	.07	7.0	>2.0	300	N	N	N	<20	1,500	N	N
77ME40HN	46 25 18	111 56 21	3.0	.20	7.0	>2.0	500	N	2,000	N	20	200	N	N
ME41HN	46 25 5	111 51 47	1.5	.20	5.0	>2.0	300	N	500	N	50	300	N	N
77ME43HN	46 25 24	111 55 47	5.0	.30	10.0	>2.0	1,000	3.0	500	N	20	200	N	N
ME44HN	46 25 28	111 50 44	1.5	.15	5.0	>2.0	200	N	N	N	20	300	N	N
ME47HN	46 25 5	111 53 30	2.0	.20	10.0	>2.0	500	N	500	N	20	200	N	N
ME48HN	46 26 20	111 54 12	2.0	.30	10.0	>2.0	300	N	N	N	20	150	N	N
ME50HN	46 27 46	111 51 12	3.0	.10	10.0	>2.0	700	N	700	N	700	200	N	20
ME51HN	46 27 16	111 51 20	7.0	.10	7.0	>2.0	700	N	700	N	3,000	1,000	N	200
77ME52HN	46 28 19	111 51 5	2.0	.20	10.0	>2.0	700	N	700	N	100	700	N	50
ME53HN	46 21 33	112 0 29	1.5	.15	10.0	>2.0	500	N	N	N	<20	50	N	N
ME54HN	46 21 39	111 59 17	2.0	.15	10.0	>2.0	500	N	N	N	<20	<50	N	N
ME55HN	46 21 42	111 59 2	2.0	.20	10.0	>2.0	700	N	700	N	<20	<20	N	N
ME56HN	46 17 36	112 2 53	1.5	.15	7.0	>2.0	300	N	N	N	20	300	N	N
ME57HN	46 17 20	112 3 3	2.0	.20	10.0	>2.0	700	N	700	N	100	300	N	N
ME58HN	46 17 20	111 56 31	5.0	5.00	15.0	2.0	1,000	50.0	N	N	500	100	2	<20
ME59HN	46 15 33	111 57 43	3.0	1.50	15.0	>2.0	700	N	1,000	N	300	150	N	N
ME60HN	46 15 21	111 58 5	5.0	2.00	20.0	.7	700	<.5	N	N	300	100	2	N
77SL002N	46 19 26	111 41 52	5.0	.30	7.0	>2.0	1,500	10.0	10,000	N	100	500	N	N
77SL003N	46 18 47	111 44 9	3.0	.50	7.0	1.5	1,000	1.0	7,000	N	100	500	N	N
77EB001N	46 19 23	111 40 0	5.0	.70	7.0	1.5	1,500	N	N	N	100	500	<2	N
77EB002N	46 18 46	111 44 4	5.0	.50	7.0	.5	1,000	N	N	N	70	500	<2	N
77SL005N	46 19 50	111 45 3	5.0	3.00	10.0	1.0	1,500	N	N	N	20	500	N	N
77SL006N	46 20 13	111 43 51	5.0	3.00	10.0	1.0	1,500	3.0	1,000	N	50	300	N	N
77SL009N	46 21 35	111 46 18	3.0	.20	7.0	1.5	700	N	500	N	150	300	N	N
77EB003N	46 17 17	111 46 59	1.5	3.00	7.0	1.5	1,000	N	N	N	70	150	<2	N
77EB004N	46 17 53	111 46 0	5.0	1.00	7.0	.5	1,500	N	N	N	50	500	2	N
77EB005N	46 17 59	111 46 0	3.0	.30	5.0	.3	1,000	N	N	N	30	500	2	N
77EB006N	46 19 18	111 46 19	5.0	1.50	7.0	1.5	1,500	<1.0	N	N	50	500	2	N
77LA001N	46 18 29	111 43 54	10.0	1.50	7.0	1.0	1,500	N	N	N	70	300	<2	<20
77LA004N	46 18 20	111 44 49	3.0	.30	7.0	1.5	1,500	N	N	N	70	1,500	<2	N
77LA005N	46 19 4	111 45 32	5.0	2.00	7.0	1.5	1,500	N	N	N	70	500	<2	N
77LA006N	46 18 50	111 48 11	2.0	1.50	7.0	>2.0	700	N	N	N	70	500	<2	N
77LA007N	46 19 0	111 48 12	5.0	.30	5.0	2.0	1,000	1.0	N	N	70	700	2	N
77SG001N	46 18 50	111 46 45	5.0	1.50	7.0	1.5	1,500	1.0	7,000	N	70	700	2	N
77DT001N	46 16 44	111 44 31	2.0	2.00	10.0	>2.0	1,000	N	N	N	70	200	2	<20
77DT002N	46 16 33	111 45 38	2.0	7.00	10.0	1.0	1,500	N	N	N	300	500	<2	N

Table 1. Nonmagnetic fraction of heavy mineral concentrates

sample	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-W
ME05HN	N	15	300	10	200	N	50	70	20	N	50	N	1,500	300	N
ME06HN	N	20	200	7	>2,000	N	<50	70	N	N	30	N	1,000	200	N
ME07HN	N	20	300	<10	300	20	70	50	100	N	15	N	700	300	N
77ME08HN	N	20	500	<10	200	100	<50	70	N	N	20	N	300	200	300
ME14HN	N	N	<20	<10	300	20	70	N	150	N	10	N	500	150	<100
ME15HN	100	30	70	500	200	15	50	30	500	N	30	50	700	300	N
ME21HN	N	30	150	15	100	10	<50	70	20	N	20	N	700	300	N
ME34HN	N	N	20	<10	700	20	300	N	N	N	20	20	<200	500	N
77ME37HN	N	N	<20	<10	700	70	100	N	N	N	15	50	N	700	500
77ME40HN	N	N	<20	200	700	70	150	N	N	N	15	20	N	500	500
ME41HN	N	N	20	<10	500	20	300	N	N	N	10	30	<200	300	200
77ME43HN	N	N	20	700	700	100	300	N	N	N	15	70	N	700	100
ME44HN	N	N	<20	<10	300	150	200	N	N	N	10	<20	<200	300	1,500
ME47HN	N	N	<20	N	700	30	300	N	N	N	10	50	N	500	200
ME48HN	N	N	30	<10	700	15	150	N	N	N	10	30	N	500	100
ME50HN	N	N	150	N	700	70	300	N	N	N	15	20	200	700	500
ME51HN	N	N	50	20	700	50	300	N	150	N	15	20	200	700	500
77ME52HN	N	N	20	70	1,000	70	300	N	N	N	10	20	<200	500	700
ME53HN	N	N	N	<10	700	70	300	N	N	N	20	70	N	200	200
ME54HN	N	N	N	<10	1,000	100	200	N	N	N	20	100	N	200	300
ME55HN	N	N	<20	10	1,500	200	300	N	300	N	20	150	N	200	200
ME56HN	N	N	N	10	700	70	200	N	20	N	10	50	<200	300	300
ME57HN	N	N	20	<10	700	70	300	N	N	N	15	70	<200	500	300
ME58HN	150	20	70	300	200	300	150	50	2,000	<200	15	N	N	300	N
ME59HN	N	15	20	<10	700	70	300	N	500	N	10	300	N	500	N
ME60HN	N	10	70	<10	<50	10	<50	20	N	N	15	N	300	200	N
77SL002N	N	10	70	30	70	15	70	<10	7,000	N	10	20	700	200	300
77SL003N	N	<10	30	10	<50	N	50	<10	500	N	10	70	1,000	150	<100
77EB001N	N	<10	200	<10	50	N	N	10	20	N	20	N	1,500	200	N
77EB002N	N	<10	30	15	70	N	70	<10	N	N	10	N	1,500	200	N
77SL005N	N	20	2,000	15	200	N	50	100	20	N	50	N	1,000	200	N
77SL006N	N	15	700	50	100	<10	<50	70	1,000	N	30	N	1,500	200	200
77SL009N	N	10	100	70	200	<10	70	N	7,000	N	10	N	1,000	150	N
77EB003N	N	N	70	<10	70	10	100	<10	20	N	N	N	<200	150	100
77EB004N	N	<10	200	<10	50	N	N	20	30	N	20	N	1,000	200	N
77EB005N	N	<10	20	N	N	N	N	<10	50	N	N	N	1,000	150	N
77EB006N	N	10	300	20	200	<10	50	30	70	N	30	N	1,500	200	N
77LA003N	N	15	200	30	100	N	50	30	150	N	30	N	1,500	300	N
77LA004N	N	<10	50	20	300	N	50	15	<20	N	<10	N	1,000	200	N
77LA005N	N	10	300	<10	1,500	N	50	50	20	N	30	N	1,500	200	N
77LA006N	N	10	500	15	150	10	100	50	100	N	30	N	1,000	300	N
77LA007N	N	<10	30	10	150	10	70	<10	70	N	20	N	1,000	200	<100
77RB001N	N	<10	200	30	150	10	50	20	300	N	20	N	1,500	200	N
77DT001N	N	10	150	10	300	15	70	10	N	N	10	<20	300	150	N
77DT002N	N	10	200	20	50	15	N	30	30	N	10	N	200	150	N

Table 1. Nonmagnetic fraction of heavy mineral concentrates

sample	S-Y	S-ZN	S-ZR	S-TH
ME05HN	150	N	2,000	--
ME06HN	200	N	1,500	--
ME07HN	200	N	>2,000	--
77ME08HN	100	N	2,000	--
ME14HN	300	N	>2,000	--
ME15HN	100	3,000	1,500	--
ME21HN	50	N	1,500	--
ME34HN	700	N	>2,000	--
77ME37HN	1,500	N	>2,000	--
77ME40HN	1,000	N	>2,000	--
ME41HN	700	N	>2,000	--
77ME43HN	1,500	1,000	>2,000	--
ME44HN	700	N	>2,000	--
ME47HN	1,000	N	>2,000	--
ME48HN	1,000	N	>2,000	--
ME50HN	700	N	>2,000	--
ME51HN	500	N	>2,000	--
77ME52HN	700	N	2,000	--
ME53HN	2,000	N	>2,000	--
ME54HN	2,000	N	>2,000	--
ME55HN	3,000	N	>2,000	--
ME56HN	1,000	N	>2,000	--
ME57HN	1,500	N	>2,000	--
ME58HN	300	2,000	1,500	--
ME59HN	700	N	>2,000	--
ME60HN	50	N	500	--
77SL002N	200	1,500	>2,000	N
77SL003N	70	N	>2,000	N
77EB001N	30	N	1,000	N
77EB002N	150	N	>2,000	N
77SL005N	150	N	>2,000	N
77SL006N	100	N	500	N
77SL009N	300	N	>2,000	N
77EB003N	100	N	>2,000	N
77EB004N	30	N	700	N
77EB005N	30	N	2,000	N
77EB006N	150	N	2,000	N
77LA003N	100	N	>2,000	200
77LA004N	100	N	2,000	N
77LA005N	300	N	>2,000	N
77LA006N	150	N	>2,000	N
77LA007N	100	N	>2,000	N
77BG001N	100	N	>2,000	N
77DT001N	300	N	>2,000	500
77DT002N	70	N	1,500	N

Table 1. Nonmagnetic fraction of heavy mineral concentrates--continued

sample	LATITUDE	LONGITUD	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE	S-BI
77DTCC3N	46 16 47	111 48 53	2.0	7.00	1.5	1.0	1,000	<1.0	N	N	100	100	2	N
77EB008N	46 16 47	111 44 17	3.0	1.50	10.0	>2.0	1,000	N	N	N	150	500	<2	N
77EB009N	46 16 54	111 48 50	1.0	15.00	15.0	.7	500	N	N	N	200	150	<2	N
77SL011N	46 20 29	111 47 26	5.0	.50	10.0	>1.0	1,000	7.0	3,000	N	50	700	<2	N
77SL012N	46 20 22	111 47 43	5.0	2.00	5.0	1.0	1,000	1.5	N	N	100	700	<2	N
77SL013N	46 19 56	111 46 59	3.0	.50	7.0	>2.0	700	N	N	N	150	700	2	N
77SL014N	46 21 11	111 44 43	5.0	1.00	10.0	1.0	1,000	N	500	N	150	700	<2	N
77LA008N	46 20 20	111 40 8	7.0	.20	5.0	>1.0	1,000	50.0	7,000	N	70	500	<2	N
77LA10AN	46 19 59	111 46 22	5.0	3.00	5.0	1.0	1,000	1.0	N	N	150	500	<2	N
77LA011N	46 20 53	111 45 50	2.0	.50	10.0	>2.0	700	2.0	1,000	N	20	500	<2	N
77LA012N	46 21 14	111 44 44	3.0	1.00	7.0	1.0	1,500	N	N	N	70	700	<2	N
77BG003N	46 16 47	111 47 44	1.0	10.00	15.0	.3	2,000	N	N	N	30	50	N	N
77BG004N	46 16 54	111 48 31	.7	10.00	20.0	.3	500	N	N	N	50	50	N	N
77BG002N	46 16 50	111 44 35	2.0	1.00	10.0	>2.0	700	N	N	N	150	500	<2	N
77SL016N	46 23 12	111 41 59	7.0	1.00	7.0	>2.0	700	10.0	5,000	N	150	500	<2	70
77SL017N	46 25 20	111 41 41	20.0	.20	7.0	>2.0	700	20.0	10,000	<20	20	700	N	200
77SL018N	46 26 44	111 43 8	10.0	1.00	7.0	1.5	2,000	1.0	500	N	50	500	N	N
77SL019N	46 21 23	111 41 8	7.0	.70	5.0	1.0	1,000	1.0	700	N	50	700	N	N
77LA013N	46 28 47	111 50 4	1.0	.20	7.0	>2.0	700	N	500	N	70	700	N	N
77LA014N	46 28 11	111 49 35	1.0	.15	10.0	>2.0	1,000	N	500	N	30	200	N	N
77LA015N	46 26 44	111 48 56	3.0	.70	7.0	>2.0	1,500	N	N	N	50	700	N	N
77LA016N	46 26 59	111 50 9	20.0	1.50	10.0	2.0	2,000	N	N	N	2,000	500	N	N
77LA017N	46 25 58	111 51 34	5.0	.70	5.0	>2.0	1,500	N	500	N	5,000	500	2	N
77EB011N	46 21 29	111 41 39	5.0	.50	7.0	1.5	1,000	N	500	N	50	500	2	N
77EB012N	46 21 17	111 41 48	20.0	.20	2.0	1.0	700	150.0	>20,000	100	20	2,000	N	50
77EB013N	46 22 59	111 42 10	7.0	.70	10.0	1.0	2,000	1.5	500	N	50	500	2	30
77EB014N	46 25 19	111 41 49	50.0	.05	1.5	1.0	700	500.0	7,000	1,000	<20	100	N	20
77DTCC4N	46 28 55	111 50 12	1.0	.20	15.0	>2.0	700	N	500	N	70	300	N	N
77DTCC5N	46 28 14	111 49 29	1.0	.10	10.0	>2.0	1,000	N	2,000	20	<20	300	N	20
77DTCC6N	46 26 48	111 48 47	1.0	.50	10.0	>2.0	1,000	N	2,000	N	100	300	N	150
77BG007N	46 25 38	111 50 49	10.0	1.00	7.0	2.0	1,500	N	N	N	100	500	<2	N
77BG008N	46 26 21	111 51 57	1.0	.20	10.0	>2.0	700	N	700	N	1,000	200	N	70
77LA018N	46 21 6	111 59 9	.7	.15	7.0	>2.0	500	N	N	N	20	100	N	N
77LA019N	46 21 20	111 57 7	1.0	.20	15.0	>2.0	700	N	500	N	200	150	N	N
77BG009N	46 21 5	111 59 14	.7	.15	10.0	>2.0	700	N	N	N	20	150	N	N
77BG010N	46 20 52	111 57 11	.7	.07	10.0	>2.0	700	N	N	N	20	100	N	N
77BG011N	46 20 52	111 57 11	1.0	.10	10.0	>2.0	700	N	1,000	N	20	50	N	N
77WM013N	46 16 51	111 58 50	1.0	.30	10.0	>2.0	700	N	1,000	N	50	150	N	N
77WM014N	46 16 26	111 58 56	3.0	3.00	15.0	>2.0	1,500	N	N	<20	1,000	100	<2	20
77WM004N	46 25 9	111 54 25	2.0	.20	2.0	>2.0	700	N	10,000	N	100	300	<2	N
77WM005N	46 24 15	111 54 24	.7	.10	10.0	>2.0	700	N	500	N	20	150	N	N
77WM006N	46 24 10	111 53 53	.7	.10	10.0	>2.0	1,000	N	N	<20	20	100	N	N
77WM007N	46 24 47	111 56 36	.7	.15	15.0	>2.0	1,000	N	500	N	20	50	N	N
77WG001N	46 25 29	111 55 41	7.0	1.00	10.0	>2.0	1,000	N	700	N	50	300	N	N
77WG002N	46 24 12	111 53 52	1.0	.10	7.0	>2.0	700	N	N	N	50	300	N	N

Table 1. Nonmagnetic fraction of heavy mineral concentrates--continued

sample	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-W
77DT003N	N	<10	200	10	N	15	N	20	200	N	10	N	200	150	200
77EB008N	N	10	150	15	500	50	200	10	300	N	10	<20	700	300	150
77EB009N	N	N	100	<10	N	N	N	<10	150	N	N	N	200	1,000	N
77SL011N	N	<10	50	150	500	15	300	<10	3,000	N	15	N	1,000	300	N
77SL012N	N	15	300	100	300	<10	N	<10	N	N	20	N	700	300	N
77SL013N	N	<10	50	50	150	10	150	N	70	N	15	N	1,000	200	200
77SL014N	N	<10	50	10	200	<10	50	<10	70	N	10	N	1,000	200	N
77LA008N	200	20	50	1,000	70	20	70	N	3,000	N	N	N	500	100	300
77LA010N	N	15	500	50	50	N	N	50	50	N	20	N	500	200	N
77LA011N	N	<10	100	70	300	N	150	10	500	N	10	N	1,000	200	N
77LA012N	N	20	20	20	100	N	N	<10	20	N	15	N	1,500	200	200
77EG003N	N	N	20	20	N	N	N	<10	150	N	N	N	<200	70	200
77EG004N	N	N	30	<10	N	N	N	<10	N	N	N	N	<200	50	N
77EB002N	N	10	100	15	500	N	70	10	<20	N	10	100	300	200	N
77SL016N	N	15	70	1,000	100	200	100	10	500	N	10	N	500	200	5,000
77SL017N	100	100	20	10,000	1,000	100	200	20	2,000	N	10	N	<200	200	500
77SL018N	N	20	100	70	50	N	50	20	100	N	30	N	1,000	300	100
77SL019N	N	10	100	10	<50	30	N	10	20,000	300	20	N	1,000	150	N
77LA013N	N	N	30	<10	500	15	200	N	20	N	20	<20	300	200	N
77LA014N	N	N	<20	N	2,000	30	300	N	20	N	20	<20	N	200	500
77LA015N	N	<10	30	N	150	<10	100	N	20	N	20	N	1,000	300	N
77LA016N	N	100	200	30	100	N	<50	20	30	N	30	N	1,500	500	N
77LA017N	N	<10	50	<10	100	10	200	<10	150	N	15	<20	700	500	<100
77EB011N	N	20	30	<10	N	10	<50	10	30	N	20	N	1,500	200	<100
77EB012N	70	10	20	500	N	10	N	<10	>50,000	N	N	N	<200	100	150
77EB013N	N	100	50	70	50	10	N	<10	500	N	20	N	1,500	200	100
77EB014N	200	N	<20	30,000	70	20	50	70	20,000	N	N	N	N	70	N
77DT004N	N	N	30	20	500	30	300	<10	300	N	10	N	300	200	200
77DT005N	N	N	30	<10	1,000	50	700	N	70	N	10	20	N	300	500
77DT006N	N	10	30	N	1,500	50	700	<10	50	N	30	50	N	300	N
77EG007N	N	N	70	10	50	10	50	<10	50	N	30	20	1,000	200	N
77EG008N	N	N	50	N	500	30	500	<10	20	N	20	N	N	300	300
77LA018N	N	N	30	N	300	30	300	<10	N	N	30	70	N	500	300
77LA019N	N	N	70	<10	1,500	50	500	<10	N	N	20	70	N	300	N
77EG009N	N	N	30	10	1,000	50	300	<10	<20	N	20	70	N	300	500
77EG010N	N	N	30	15	500	30	300	<10	300	N	20	70	N	300	300
77EG011N	N	N	30	<10	1,000	100	500	<10	<20	N	20	100	N	500	1,000
77WM013N	N	N	50	N	1,000	20	700	<10	N	N	20	70	N	700	N
77WM014N	N	N	70	200	300	15	100	<10	300	N	10	N	<200	100	200
77WM004N	N	10	20	500	200	15	200	<10	70	N	<10	20	N	150	N
77WM005N	N	N	30	<10	500	50	300	<10	20	N	20	70	N	200	700
77WM006N	N	N	30	<10	500	70	200	<10	50	N	20	70	N	200	1,000
77WM007N	N	N	30	<10	500	30	500	<10	N	N	20	70	N	700	300
77MG001N	N	N	150	15	500	70	200	N	50	N	50	30	N	300	700
77MG002N	N	N	30	15	300	30	150	N	100	N	50	30	N	300	200

Table 1. Nonmagnetic fraction of heavy mineral concentrates--continued

sample	S-Y	S-ZN	S-ZR	S-TH
77DT003N	30	N	2,000	N
77EB008N	200	N	>2,000	N
77EB009N	50	N	>2,000	N
77SL011N	700	N	>2,000	N
77SL012N	500	2,000	300	N
77SL013N	200	N	>2,000	N
77SL014N	100	N	>2,000	N
77LA008N	300	3,000	>2,000	N
77LA010N	50	N	1,000	N
77LA011N	500	N	>2,000	N
77LA012N	50	N	200	N
77BGJ03N	20	N	1,500	N
77BGJ04N	20	N	700	N
77BGJ02N	300	N	>2,000	N
77SL016N	700	N	>2,000	N
77SL017N	700	5,000	>2,000	N
77SL018N	100	N	2,000	N
77SL019N	30	N	1,000	N
77LA013N	500	N	>2,000	N
77LA014N	1,500	N	>2,000	N
77LA015N	150	N	>2,000	N
77LA016N	70	N	>2,000	N
77LA017N	200	N	>2,000	N
77EB011N	50	N	1,500	N
77EB012N	30	5,000	>2,000	N
77EB013N	50	N	1,500	N
77EB014N	70	>20,000	1,500	N
77DT004N	500	N	>2,000	300
77DT005N	700	N	>2,000	<200
77DT006N	1,500	N	>2,000	<200
77BGJ07N	100	N	1,500	N
77BGJ08N	3,000	N	>2,000	500
77LA018N	3,000	N	>2,000	700
77LA019N	2,000	N	>2,000	200
77BGJ09N	3,000	N	>2,000	2,000
77BGJ10N	3,000	N	>2,000	1,500
77BGJ11N	5,000	N	>2,000	1,500
77WM013N	3,000	N	>2,000	700
77WM014N	500	N	>2,000	300
77WM004N	500	700	>2,000	200
77WM005N	5,000	N	>2,000	3,000
77WM006N	3,000	N	>2,000	3,000
77WM007N	3,000	N	>2,000	200
77WGJ01N	5,000	N	>2,000	2,000
77WGJ02N	2,000	N	>2,000	1,500

Table 1. Nonmagnetic fraction of heavy mineral concentrates--continued

sample	LATITUDE	LONGITUD	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE	S-BI
77SL020N	46 24 15	111 43 50	20.0	1.50	5.0	>2.0	1,500	30.0	7,000	N	150	700	<2	50
77SL022N	46 26 3	111 44 14	15.0	1.50	7.0	1.0	2,000	N	N	N	50	500	<2	20
77SL023N	46 28 27	111 43 27	2.0	.50	10.0	>2.0	1,000	70.0	2,000	300	50	500	N	N
77LA020N	46 25 31	111 47 8	15.0	1.50	7.0	1.5	5,000	N	N	N	300	500	<2	N
77LA028N	46 17 48	111 44 25	5.0	5.00	7.0	2.0	2,000	N	N	N	100	500	N	N
77LA108N	46 19 59	111 46 22	7.0	5.00	7.0	1.5	1,500	N	N	N	50	500	N	N
77DT008N	46 24 15	111 43 45	7.0	.15	2.0	>2.0	5,000	50.0	10,000	N	70	300	<2	100
77DT009N	46 27 20	111 43 35	7.0	.70	7.0	2.0	2,000	N	1,000	N	70	1,000	<2	N
77EB015N	46 21 11	111 58 28	1.0	.10	10.0	>2.0	700	N	N	<20	30	100	N	30
77EB016N	46 21 11	111 58 28	1.0	.15	10.0	>2.0	1,000	N	1,000	N	50	100	N	N
77EB018N	46 21 56	111 58 45	1.0	.15	10.0	>2.0	1,000	N	N	N	20	100	N	N
77EB019N	46 20 53	111 57 11	5.0	5.00	10.0	>2.0	2,000	N	1,000	N	100	300	N	50
77EB017N	46 21 11	111 58 22	.7	.10	7.0	>2.0	700	N	N	N	20	150	N	N
77EB020N	46 18 24	112 1 50	1.0	.15	10.0	>2.0	700	N	N	N	20	150	N	N
77EB021N	46 18 24	112 1 58	1.0	.10	10.0	>2.0	1,000	N	N	N	20	150	N	N
77EB022N	46 17 18	112 1 58	1.0	.15	10.0	>2.0	700	N	N	N	20	200	N	N
77EB023N	46 15 48	112 2 0	1.0	.15	10.0	>2.0	700	N	700	N	20	300	N	N
77EB024N	46 15 16	112 1 14	1.0	.15	10.0	>2.0	700	N	N	N	50	200	N	N
77SL024N	46 25 27	111 47 9	5.0	1.00	10.0	>2.0	1,500	N	N	N	70	1,000	<2	N
77SL025N	46 25 33	111 47 3	5.0	.70	7.0	>2.0	1,500	N	N	N	150	300	<2	200
77LA21AN	46 16 51	111 59 3	1.0	.05	10.0	>2.0	1,000	N	N	N	20	N	N	N
77WM009N	46 23 21	111 58 5	1.0	.05	10.0	>2.0	1,000	N	N	N	20	150	N	N
77WM010N	46 23 12	111 57 15	1.0	.07	10.0	>2.0	1,000	N	500	N	20	50	N	N
77WM011N	46 23 12	111 57 15	1.0	.05	7.0	>2.0	1,000	N	N	N	20	70	N	N
77WM012N	46 20 54	112 0 23	1.0	.05	10.0	>2.0	700	N	N	N	20	<50	N	N
77MG003N	46 23 14	111 57 11	1.0	.10	10.0	>2.0	1,000	N	N	N	30	70	N	N
77MG004N	46 23 41	111 58 42	1.0	.05	10.0	>2.0	700	N	N	N	20	100	N	N
77MG005N	46 23 17	111 59 43	1.0	.05	7.0	>2.0	1,000	N	N	N	20	<50	N	N
77MG006N	46 20 56	112 0 34	1.0	.10	10.0	>2.0	1,000	N	N	N	20	70	N	N
77DT10AN	46 18 24	112 1 37	1.5	.15	10.0	>2.0	1,000	N	N	N	150	50	N	N
77DT012N	46 17 11	112 1 59	1.0	.10	10.0	>2.0	1,000	N	500	N	20	70	N	N
77DT013N	46 17 7	112 3 7	1.5	.10	15.0	>2.0	1,000	N	N	N	20	100	N	N
77DT014N	46 15 17	112 1 18	1.0	.07	10.0	>2.0	700	3.0	500	N	20	150	N	N
77BG012N	46 16 41	111 56 22	5.0	3.00	15.0	1.0	3,000	N	N	N	1,000	200	5	N
77BG013N	46 16 15	111 54 20	5.0	1.50	10.0	>2.0	1,000	N	N	N	150	700	<2	N
77WM029N	46 21 53	111 49 32	5.0	.70	5.0	>2.0	1,500	N	N	N	150	700	2	N
77WM030N	46 22 5	111 52 59	2.0	.70	10.0	>2.0	1,000	N	N	N	2,000	150	N	N
77MG011N	46 22 54	111 49 37	5.0	.30	5.0	>2.0	2,000	N	N	N	500	500	2	N
77MG012N	46 21 47	111 50 44	3.0	1.00	5.0	>2.0	700	N	N	N	>5,000	500	2	N
77MG013N	46 21 47	111 50 44	7.0	1.00	7.0	1.5	2,000	N	N	N	3,000	500	<2	N
77MG014N	46 22 4	111 51 55	3.0	.50	1.5	>2.0	1,000	N	N	N	5,000	500	2	N
77WM033N	46 26 35	111 56 4	1.5	.10	5.0	>2.0	500	N	N	N	50	150	2	N
77WM023N	46 18 51	111 59 52	5.0	2.00	10.0	>2.0	2,000	N	N	N	30	50	<2	<20
77WM026N	46 18 39	112 1 9	1.0	.20	10.0	>2.0	700	N	N	N	20	70	N	N
77WM027N	46 18 39	112 1 9	1.5	.70	1.5	>2.0	700	N	N	N	30	70	N	N

Table 1. Nonmagnetic fraction of heavy mineral concentrates--continued

sample	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-W
77SL020N	N	10	200	700	200	15	100	20	7,000	N	10	N	700	200	300
77SL022N	N	10	150	150	N	N	N	30	300	N	30	N	1,000	300	N
77SL023N	N	N	50	70	700	20	300	N	50	N	50	20	200	200	30
77LA020N	N	10	20	<10	<50	N	N	<10	50	N	30	N	1,500	300	N
77LA028N	N	10	1,500	10	150	N	70	30	N	N	20	N	300	200	100
77LA106N	N	20	1,000	20	50	N	N	70	100	N	50	N	1,000	300	N
77DT008N	N	<10	<20	1,000	500	20	200	<10	15,000	N	10	N	200	150	700
77DT009N	N	10	50	10	100	10	70	10	150	N	20	N	700	200	N
77EB015N	N	N	50	N	700	70	200	N	20	N	50	70	N	300	700
77EB016N	N	N	50	15	700	50	500	N	100	N	50	100	N	300	300
77EB018N	N	N	50	N	2,000	30	200	N	N	N	50	70	N	300	N
77EB019N	N	N	700	10	700	20	300	N	150	N	50	20	200	200	<100
77EB017N	N	N	30	N	700	30	500	N	20	N	50	70	N	300	300
77EB020N	N	N	50	N	1,000	50	200	N	N	N	20	70	N	500	500
77EB021N	N	N	30	N	1,500	100	300	N	300	N	20	70	N	500	700
77EB022N	N	N	30	<10	1,000	20	500	N	150	N	30	70	N	300	N
77EB023N	N	N	30	N	1,000	15	700	N	N	N	30	50	N	300	N
77EB024N	N	N	50	N	1,500	15	150	N	200	N	20	50	<200	300	N
77SL024N	N	15	<20	N	70	N	100	N	N	N	15	N	1,500	200	N
77SL025N	N	<10	100	70	200	N	70	10	70	N	30	20	1,000	200	N
77LA21AN	N	N	50	<10	700	15	100	<10	20	N	20	70	N	300	N
77WM009N	N	N	20	<10	500	15	100	N	N	N	30	70	N	200	N
77WM010N	N	N	30	10	1,000	70	200	N	200	N	50	50	N	200	700
77WM011N	N	N	30	10	1,000	70	150	N	20	N	20	70	N	200	1,000
77WM012N	N	N	20	<10	700	50	300	N	150	N	30	70	N	200	200
77MG003N	N	N	30	<10	700	100	300	N	N	N	15	100	N	300	2,000
77MG004N	N	N	30	N	700	20	200	N	20	N	20	50	N	200	N
77MG005N	N	N	20	<10	700	30	200	N	70	N	20	70	N	200	300
77MG006N	N	N	20	N	700	70	300	N	50	N	30	70	N	200	300
77DT10AN	N	N	50	N	700	50	300	N	N	N	20	70	N	300	200
77DT012N	N	N	30	N	1,000	50	300	N	30	N	15	70	N	300	500
77DT013N	N	N	30	N	1,500	30	300	N	N	N	20	70	N	300	<100
77DT014N	N	N	20	50	500	15	200	N	1,000	N	20	70	N	200	N
77BGJ12N	N	15	300	10	70	N	<50	100	20	N	20	N	300	200	N
77BG013N	N	<10	100	10	700	10	100	20	50	N	20	N	1,000	300	100
77WM029N	N	<10	70	70	100	10	150	15	N	N	20	N	700	300	<100
77WM030N	N	10	100	<10	1,500	20	100	N	N	N	20	<20	N	200	<100
77MG011N	N	10	30	50	100	<10	70	<10	100	N	30	N	700	200	N
77MG012N	N	10	30	100	150	10	150	10	<20	N	20	N	500	300	N
77MG013N	N	15	70	10	50	10	N	20	150	N	50	1,500	1,000	200	N
77MG014N	N	15	50	30	<50	10	100	<10	50	N	15	N	300	300	100
77WM033N	N	N	<20	50	300	30	100	N	20	N	50	100	N	100	200
77WM023N	N	30	200	<10	1,000	30	300	20	N	N	15	30	N	300	300
77WM026N	N	N	30	<10	1,500	30	200	<10	<20	N	20	100	N	500	150
77WM027N	N	N	50	<10	1,000	30	200	<10	<20	N	20	100	N	500	200

Table 1. Nonmagnetic fraction of heavy mineral concentrates--continued

sample	S-Y	S-ZN	S-ZR	S-TH
77SL020N	150	N	>2,000	N
77SL022N	30	N	700	N
77SL023N	1,000	N	>2,000	700
77LA020N	50	N	2,000	N
77LA028N	200	N	>2,000	N
77LA108N	50	N	2,000	N
77DT008N	300	N	2,000	N
77DT009N	100	N	2,000	N
77EB015N	5,000	N	2,000	1,000
77EB016N	>5,000	N	2,000	1,500
77EB018N	3,000	N	2,000	1,000
77EB019N	1,000	N	2,000	200
77EB017N	5,000	N	2,000	1,500
77EB020N	3,000	N	2,000	1,500
77EB021N	3,000	N	2,000	3,000
77EB022N	3,000	N	2,000	2,000
77EB023N	2,000	N	2,000	700
77EB024N	2,000	N	2,000	500
77SL024N	300	N	2,000	N
77SL025N	200	N	>2,000	N
77LA218N	2,000	N	>2,000	1,500
77WM009N	2,000	N	>2,000	1,500
77WM010N	3,000	N	>2,000	3,000
77WM011N	3,000	N	>2,000	3,000
77WM012N	3,000	N	>2,000	1,500
77MG003N	3,000	N	>2,000	1,500
77MG004N	2,000	N	>2,000	1,000
77MG005N	3,000	N	>2,000	1,500
77MG006N	3,000	N	>2,000	1,500
77DT10AN	2,000	N	>2,000	1,000
77DT012N	2,000	N	>2,000	2,000
77DT013N	3,000	N	>2,000	1,000
77DT014N	1,000	N	>2,000	2,000
77BG012N	1,000	N	2,000	N
77BG013N	300	N	>2,000	N
77WM029N	200	N	>2,000	N
77WM030N	1,500	N	>2,000	200
77MG011N	50	N	1,000	N
77MG012N	200	N	>2,000	N
77MG013N	50	N	700	N
77MG014N	100	N	>2,000	N
77WM033N	3,000	N	>2,000	700
77WM023N	1,000	N	>2,000	500
77WM026N	2,000	N	>2,000	1,500
77WM027N	2,000	N	>2,000	1,500

Table 1. Nonmagnetic fraction of heavy mineral concentrates--continued

sample	LATITUDE	LONGITUD	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE	S-BI
77DT019N	46 18 53	111 58 45	1.0	.30	10.0	>2.0	500	N	N	N	50	150	N	N
77DT021N	46 18 35	112 1 9	1.5	.70	10.0	>2.0	1,000	N	1,500	N	500	150	N	N
77WM028N	46 22 54	111 49 27	7.0	.70	7.0	>2.0	2,000	N	N	N	150	700	3	N
77WM002N	46 26 21	111 54 11	1.5	.50	10.0	>2.0	1,000	N	N	N	50	200	N	500
77WM016N	46 15 38	111 57 46	3.0	5.00	10.0	>2.0	1,000	5.0	N	N	5,000	300	<2	N
77WM037N	46 18 38	111 53 26	10.0	2.00	7.0	1.0	1,000	N	N	N	5,000	300	<2	N
77WM036N	46 20 40	111 51 57	10.0	3.00	10.0	1.5	1,500	N	N	N	2,000	300	<2	N
77WM038N	46 13 45	111 53 12	5.0	1.50	10.0	>2.0	2,000	10.0	N	N	700	500	<2	2,000
77WM039N	46 19 22	111 52 37	7.0	3.00	7.0	1.0	2,000	<1.0	N	N	2,000	500	<2	N
77WM034N	46 20 34	111 54 10	1.5	.70	15.0	>2.0	1,000	N	N	N	1,000	150	N	N
77WG019N	46 19 49	111 51 29	10.0	1.50	10.0	1.5	2,000	N	N	N	200	700	<2	N
77WG023N	46 20 38	111 50 31	15.0	3.00	10.0	1.5	3,000	3.0	N	20	2,000	500	<2	N
77WG022N	46 19 5	111 51 28	10.0	2.00	10.0	1.5	2,000	N	N	N	200	1,500	1	N
77WG020N	46 19 33	111 51 34	10.0	3.00	15.0	1.5	2,000	N	N	N	500	1,000	<2	N
77WG021N	46 19 8	111 51 44	10.0	.70	10.0	2.0	3,000	N	N	N	300	1,500	2	20
77WG016N	46 20 35	111 54 14	2.0	1.50	15.0	>2.0	1,000	N	N	N	500	300	N	N
77WG018N	46 20 35	111 50 4	10.0	1.00	7.0	1.5	1,500	N	N	N	300	700	2	30
77WG007N	46 16 47	111 56 57	15.0	5.00	20.0	1.5	2,000	5.0	700	N	500	300	2	150
77WG008N	46 16 11	111 55 14	5.0	5.00	20.0	1.5	1,500	N	N	N	700	300	5	N
77WG010N	46 22 58	111 49 32	10.0	.70	10.0	1.5	3,000	N	N	N	200	700	2	N
77WG017N	46 20 35	111 54 11	7.0	2.00	15.0	>2.0	1,500	N	N	N	3,000	700	<2	N
77DT013N	46 18 24	112 1 40	1.5	.20	15.0	>2.0	1,000	N	1,000	N	300	200	<2	N
77LA021N	46 16 45	111 59 3	2.0	.30	15.0	>2.0	1,000	N	1,000	N	300	200	<2	N
77EB027N	46 28 58	111 45 39	10.0	.50	10.0	>2.0	2,000	N	N	N	3,000	1,000	<2	100
77SL048N	46 26 2	111 55 14	2.0	.30	10.0	>2.0	1,000	N	N	N	200	200	<2	N
77DT015N	46 16 54	111 58 5	2.0	3.00	15.0	>2.0	1,000	N	N	N	700	200	<2	N
77DT016N	46 16 59	111 58 9	2.0	.50	10.0	>2.0	1,000	N	1,500	N	300	500	<2	N
77WG014N	46 16 18	111 54 24	15.0	1.00	10.0	2.0	1,500	N	N	N	200	1,500	<2	20
77DT017N	46 14 44	111 58 19	2.0	3.00	10.0	>2.0	1,000	5.0	N	N	1,500	700	<2	<20
77WG006N	46 26 39	111 48 50	5.0	1.00	7.0	>2.0	1,500	N	N	N	150	1,500	3	N
77EB026N	46 25 27	111 46 24	7.0	.70	10.0	>2.0	1,500	N	N	N	500	1,000	2	N
77EB025N	46 25 8	111 46 22	10.0	.70	10.0	2.0	1,500	<1.0	N	N	200	1,000	2	N
77WG024N	46 20 57	111 48 42	15.0	2.00	3.0	1.5	1,500	N	N	N	70	1,500	2	N
77WG025N	46 22 30	111 48 5	7.0	.70	1.5	1.5	1,000	N	N	N	100	1,500	3	N
77WG026N	46 22 26	111 47 58	7.0	1.00	1.5	1.5	1,500	N	N	N	100	1,500	3	N
77EB045N	46 19 5	112 1 40	2.0	.20	10.0	>2.0	700	N	1,000	N	20	150	<2	50
77EB046N	46 19 14	112 1 50	3.0	2.00	10.0	>2.0	1,000	<1.0	N	N	30	300	2	N
77EB047N	46 19 14	112 1 59	2.0	1.50	10.0	>2.0	1,000	2.0	N	N	30	300	2	N
77EB048N	46 18 43	112 2 4	2.0	.50	10.0	>2.0	700	N	500	N	20	500	2	N
77WG009N	46 14 35	111 55 37	20.0	.50	2.0	1.5	1,000	N	N	N	700	1,500	7	N
77WG028N	46 18 38	111 54 10	5.0	2.00	1.0	>2.0	700	2.0	1,000	N	700	700	2	N
77WG027N	46 18 38	111 54 10	5.0	2.00	7.0	>2.0	700	2.0	1,000	N	1,000	700	3	N
77WM100N	46 21 5	111 57 34	1.0	.15	7.0	>2.0	700	N	N	N	30	300	<2	N
77WM102N	46 20 41	111 57 55	1.5	.30	10.0	>2.0	1,000	N	500	N	30	300	<2	N
77WM104N	46 18 32	111 54 29	5.0	3.00	7.0	2.0	1,000	20.0	N	N	200	700	<2	N

Table 1. Nonmagnetic fraction of heavy mineral concentrates--continued

sample	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-W
77DTC19N	N	N	70	N	1,000	30	200	<10	700	N	15	70	N	500	N
77DTC21N	N	N	100	N	1,500	30	500	<10	N	N	15	70	N	500	N
77WM028N	N	10	70	50	150	N	70	<10	30	N	30	N	1,000	300	N
77WM022N	N	N	150	20	700	20	100	N	70	N	20	70	N	500	150
77WM016N	N	10	100	10	500	15	150	<10	200	N	20	300	200	500	N
77WM037N	N	30	300	150	100	100	N	70	300	N	20	>2,000	1,500	300	2,000
77WM036N	N	15	500	15	70	N	<50	70	<20	N	20	N	1,000	300	N
77WM035N	N	10	100	150	100	N	70	10	3,000	N	30	N	1,000	2,000	N
77WM039N	N	10	300	20	70	N	N	50	100	N	30	N	1,500	300	N
77WM034N	N	N	150	<10	1,500	N	70	N	N	N	20	N	200	150	N
77MG019N	N	10	300	30	100	N	50	50	N	N	30	N	1,500	200	N
77MG023N	N	100	500	70	150	10	N	100	50	N	50	N	1,500	300	N
77MG022N	N	10	500	15	100	N	<50	50	50	N	50	N	1,000	200	N
77MG020N	N	10	1,000	15	100	<10	<50	100	20	N	50	N	1,000	300	N
77MG021N	N	<10	100	20	150	N	50	10	300	N	30	N	1,500	300	N
77MG016N	N	N	300	20	1,000	20	150	N	100	N	30	20	200	300	N
77MG018N	N	10	300	15	100	N	<50	50	70	N	30	N	1,500	300	N
77MG027N	N	10	70	1,500	100	15	50	10	20	N	15	50	<200	200	N
77MG028N	N	<10	100	10	<50	N	N	30	20	N	20	N	300	200	N
77MG010N	N	<10	20	<10	50	N	N	<10	<20	N	50	N	1,000	300	N
77MG017N	N	10	200	20	300	15	100	N	20	N	20	50	500	300	N
77DTC10N	N	N	70	<10	700	50	500	<10	N	N	20	70	N	300	300
77LA021N	N	N	70	15	700	30	300	<10	<20	N	20	70	N	300	N
77EB027N	N	<10	70	30	500	20	200	<10	20	N	20	N	1,500	200	100
77SLC48N	N	N	50	<10	2,000	30	150	N	<20	N	20	50	<200	200	300
77DTC15N	N	<10	70	200	700	50	150	N	150	N	20	20	<200	200	200
77DTC16N	N	N	70	<10	700	50	500	<10	N	N	20	70	<200	300	N
77HG014N	N	10	300	15	100	10	50	50	20	N	20	N	1,000	300	N
77DTC17N	N	<10	70	150	200	20	300	<10	200	N	20	50	<200	200	300
77EB006N	N	<10	70	10	150	10	70	<10	70	N	20	N	1,000	200	200
77EB026N	N	<10	150	10	300	10	200	15	50	N	20	N	1,500	300	<100
77EB025N	N	<10	70	100	150	N	50	<10	50	N	50	N	1,500	300	N
77MG024N	N	20	70	30	<50	N	N	30	<20	N	20	N	700	300	N
77MG025N	N	15	50	15	<50	N	N	20	<20	N	15	N	500	200	N
77MG026N	N	10	50	10	<50	N	N	15	<20	N	15	N	500	200	N
77EB045N	N	N	50	N	700	50	300	<10	N	N	20	100	N	500	300
77EB046N	N	N	50	<10	500	30	300	<10	N	N	20	50	N	500	N
77EB047N	N	N	50	10	700	30	300	<10	300	N	20	70	N	1,000	N
77EB048N	N	N	20	<10	700	30	300	<10	N	N	20	70	N	300	200
77MG009N	N	20	200	50	150	10	50	70	70	N	20	N	200	200	N
77MG028N	N	20	70	100	300	20	200	30	300	N	20	30	300	700	N
77MG027N	N	20	50	20	300	20	200	20	300	N	20	30	500	500	N
77WM100N	N	N	20	<10	500	30	300	<10	N	N	20	70	N	300	N
77WM102N	N	N	30	<10	700	30	300	<10	<20	N	20	70	N	300	N
77WM104N	N	30	100	300	300	15	<50	70	7,000	N	20	N	700	5,000	N

Table 1. Nonmagnetic fraction of heavy mineral concentrates--continued

sample	S-Y	S-ZN	S-ZR	S-TH
77DT019N	700	N	>2,000	300
77DT021N	1,500	N	>2,000	1,000
77WM028N	70	N	2,000	N
77WM002N	2,000	N	>2,000	1,000
77WM016N	500	N	>2,000	N
77WM037N	50	N	1,000	N
77WM036N	100	N	>2,000	N
77WM038N	200	2,000	2,000	N
77WM039N	50	N	700	N
77WM034N	1,500	N	>2,000	N
77MG019N	70	N	>2,000	N
77MG023N	50	N	1,000	N
77MG022N	50	N	1,000	N
77MG020N	70	N	500	N
77MG021N	70	N	1,000	N
77MG016N	1,000	N	>2,000	N
77MG018N	50	N	1,000	N
77MG007N	100	N	2,000	N
77MG008N	70	N	700	N
77MG014N	70	N	1,000	N
77MG012N	300	N	>2,000	N
77DT010N	2,000	N	>2,000	1,500
77LA021N	2,000	N	>2,000	1,500
77EB027N	300	N	>2,000	300
77GL048N	2,000	N	>2,000	1,500
77DT015N	700	N	>2,000	500
77DT016N	1,000	N	>2,000	200
77BG014N	100	N	>2,000	<200
77DT017N	500	2,000	>2,000	300
77BG006N	100	N	>2,000	N
77EB026N	200	N	>2,000	N
77EB025N	70	N	>2,000	N
77MG024N	30	N	300	N
77MG025N	30	N	500	N
77MG026N	30	N	500	N
77EB045N	5,000	N	>2,000	1,500
77EB046N	1,000	N	>2,000	300
77EB047N	1,000	5,000	>2,000	200
77EB048N	1,000	N	>2,000	700
77MG009N	200	500	>2,000	N
77MG028N	500	N	>2,000	N
77MG027N	500	N	>2,000	N
77WM100N	1,500	N	>2,000	1,500
77WM102N	2,000	N	>2,000	2,000
77WM104N	100	3,000	2,000	N

Table 1. Nonmagnetic fraction of heavy mineral concentrates--continued

sample	LATITUDE	LONGITUD	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE	S-BI
77WM003N	46 25 14	111 54 23	2.0	.20	3.0	.7	3,000	N	N	N	100	300	10	N
77MG030N	46 16 26	111 47 25	3.0	5.00	30.0	.7	1,000	N	N	N	200	200	3	N
77MG031N	46 21 5	111 45 16	20.0	.70	1.5	1.0	300	2.0	1,000	N	200	700	<2	N
77MG032N	46 21 6	111 45 17	7.0	2.00	10.0	1.0	1,500	N	N	N	100	1,000	2	150
77WM109N	46 15 38	111 58 9	2.0	1.00	5.0	>2.0	1,000	N	N	N	1,000	700	2	<20
77WM112N	46 16 51	111 49 4	5.0	2.00	5.0	2.0	700	N	N	N	100	700	2	N
77WM113N	46 21 2	111 45 17	20.0	1.50	7.0	1.0	1,000	5.0	N	N	100	700	<2	70

Table 1. Nonmagnetic fraction of heavy mineral concentrates--continued

sample	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-W
77WM003N	N	N	20	15	50	10	70	N	150	N	N	50	N	100	N
77MG030N	N	10	500	15	N	15	N	50	N	N	15	N	300	150	N
77MG031N	N	30	20	200	N	N	N	<10	100	N	20	N	N	200	<50
77MG032N	N	20	50	20	50	N	N	20	50	N	20	N	1,500	200	N
77WM109N	N	<10	70	15	500	15	150	15	30	N	15	N	300	300	<50
77WM112N	N	10	500	10	50	10	50	70	N	N	30	70	500	150	N
77WM113N	N	30	100	50	70	<10	N	20	200	N	20	N	1,000	200	700

Table 1. Nonmagnetic fraction of heavy mineral concentrates--continued

sample	S-Y	S-ZN	S-ZR	S-TH
77WM003N	150	1,500	>2,000	N
77MG030N	30	N	150	N
77MG031N	N	N	700	N
77MG032N	20	N	150	N
77WM109N	300	<200	>2,000	N
77WM112N	70	N	2,000	N
77WM113N	50	N	700	N

Table 2. Magnetic fraction of heavy mineral concentrates.

sample	LATITUDE	LONGITUD	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE	S-BI
ME05HM	46 19 6	111 46 40	20	1.5	10.0	1.50	1,500	N	N	N	70	300	2	N
ME06HM	46 19 6	111 45 24	30	1.5	7.0	1.50	1,500	N	N	N	20	150	<2	N
ME07HM	46 18 10	111 44 12	20	3.0	10.0	1.00	2,000	N	N	N	500	200	<2	N
77ME03HM	46 17 21	111 43 9	20	3.0	10.0	1.00	2,000	N	N	N	50	150	<2	N
ME14HM	46 22 6	111 53 2	20	5.0	7.0	2.00	3,000	<.5	N	N	700	100	3	N
ME15HM	46 21 15	111 50 49	15	1.5	10.0	1.00	2,000	1.0	N	N	1,000	300	<2	N
ME21HM	46 20 39	111 51 50	15	2.0	10.0	.30	1,500	N	N	N	1,500	200	<2	N
ME34HM	46 20 53	111 55 17	15	5.0	7.0	1.00	2,000	N	N	N	500	50	2	N
77ME87HM	46 26 26	111 57 44	50	1.0	2.0	1.50	1,500	2.0	500	N	50	200	<2	N
77ME40HM	46 25 18	111 56 21	30	3.0	5.0	2.00	7,000	3.0	1,500	N	300	100	2	N
ME41HM	46 25 5	111 51 47	20	5.0	7.0	4.50	3,000	N	N	N	700	100	2	N
77ME43HM	46 25 24	111 55 47	20	5.0	7.0	2.00	5,000	3.0	2,000	N	500	100	2	N
ME44HM	46 25 28	111 50 44	30	2.0	3.0	>2.00	2,000	N	N	N	50	150	<2	N
ME47HM	46 25 5	111 53 30	20	7.0	10.0	2.00	3,000	N	N	N	300	50	5	N
ME48HM	46 26 20	111 54 12	20	5.0	7.0	>2.00	3,000	N	N	N	500	70	5	30
ME50HM	46 27 48	111 51 12	15	3.0	10.0	1.50	3,000	1.5	N	N	500	200	<2	N
ME51HM	46 27 16	111 51 20	15	2.0	7.0	1.50	2,000	N	N	N	1,500	200	<2	N
77ME52HM	46 28 19	111 51 5	20	3.0	7.0	>2.00	3,000	N	N	N	700	150	2	N
ME53HM	46 21 33	112 0 29	20	5.0	7.0	1.50	3,000	5.0	N	N	30	50	2	N
ME54HM	46 21 39	111 59 17	20	5.0	7.0	1.50	3,000	N	N	N	50	<50	<2	N
ME55HM	46 21 42	111 59 2	20	5.0	7.0	2.00	3,000	1.0	N	N	50	70	2	N
ME56HM	46 17 36	112 2 53	20	5.0	7.0	1.50	3,000	N	N	N	70	100	2	N
ME57HM	46 17 20	112 3 3	30	3.0	7.0	2.00	2,000	1.0	N	N	150	50	N	N
ME58HM	46 17 20	111 56 31	20	1.5	15.0	1.50	3,000	2.0	N	N	200	500	<2	N
ME59HM	46 15 33	111 57 43	20	5.0	15.0	>2.00	3,000	1.0	N	N	700	50	2	N
ME60HM	46 15 21	111 58 5	15	1.5	15.0	.70	2,000	N	N	N	700	200	2	N
77SL002M	46 19 26	111 41 52	20	1.0	10.0	2.00	2,000	N	N	N	70	300	<2	N
77SL003M	46 18 47	111 44 9	15	.7	15.0	1.00	3,000	N	N	N	100	500	2	N
77EB001M	46 19 26	111 41 56	15	1.5	10.0	1.00	2,000	N	N	N	100	500	2	N
77EB002M	46 18 46	111 44 8	15	3.0	10.0	1.00	2,000	N	N	N	70	700	2	N
77SL005M	46 19 50	111 45 3	20	5.0	7.0	1.50	3,000	N	N	N	50	700	3	N
77SL006M	46 20 13	111 43 51	15	5.0	10.0	1.00	2,000	1.5	N	N	50	300	<2	N
77SL007M	46 21 2	111 45 16	15	.7	7.0	1.00	2,000	1.5	N	N	50	500	2	N
77SL009M	46 21 35	111 46 18	10	.7	7.0	1.00	2,000	N	N	N	70	700	3	N
77EB003M	46 17 17	111 46 59	10	3.0	15.0	1.00	5,000	N	N	N	30	200	<2	N
77EB004M	46 17 53	111 45 59	10	5.0	7.0	1.50	2,000	N	N	N	50	700	2	N
77EB005M	46 17 59	111 46 0	10	3.0	7.0	1.00	2,000	N	N	N	70	700	3	N
77EB006M	46 19 18	111 46 18	10	3.0	10.0	1.00	2,000	N	N	N	70	300	2	N
77LA001M	46 17 48	111 44 26	15	2.0	7.0	1.50	2,000	N	N	N	300	500	2	N
77LA003M	46 18 28	111 43 51	30	3.0	7.0	2.00	3,000	N	N	N	30	700	2	N
77LA004M	46 18 20	111 44 49	20	5.0	10.0	1.00	3,000	N	N	N	50	700	5	N
77LA005M	46 19 2	111 45 32	20	3.0	10.0	1.50	3,000	N	N	N	50	500	5	N
77LA006M	46 18 56	111 48 8	15	5.0	15.0	.70	2,000	N	N	N	50	500	2	N
77LA007M	46 18 59	111 48 11	15	.5	10.0	1.00	3,000	N	N	N	200	500	2	N
77BG001M	46 18 51	111 46 44	20	3.0	7.0	1.50	3,000	N	N	N	50	500	<2	N

Table 2. Magnetic fraction of heavy mineral concentrates.

sample	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y
ME05HM	N	20	300	20	150	10	N	50	30	N	70	N	2,000	700	N	50
ME06HM	N	50	700	15	200	N	N	70	30	N	50	N	2,000	700	N	100
ME07HM	N	50	200	10	150	<10	N	70	70	N	70	N	1,500	500	N	50
77ME08HM	N	50	700	10	1,000	10	<50	100	20	N	70	N	500	500	N	70
ME14HM	N	70	300	30	1,000	10	100	150	<20	N	100	N	N	500	N	150
ME15HM	N	50	100	70	100	20	<50	50	150	N	70	N	1,500	700	N	100
ME21HM	N	100	300	30	100	15	N	100	30	N	50	N	1,500	500	N	50
ME36HM	N	70	150	30	500	10	50	100	N	N	100	N	<200	300	N	150
77ME37HM	N	300	300	700	>2,000	50	50	70	100	N	50	N	N	500	N	300
77ME40HM	N	100	150	70	>2,000	15	70	70	700	N	150	N	N	1,000	N	200
ME41HM	N	70	150	50	>2,000	N	50	70	20	N	150	N	<200	500	N	200
77ME43HM	N	70	100	70	1,500	10	70	70	200	N	100	N	N	500	N	200
ME44HM	N	100	300	50	>2,000	20	70	70	30	N	70	N	N	1,000	N	200
ME47HM	N	70	100	70	2,000	10	70	100	20	N	150	N	N	500	N	200
ME48HM	N	70	150	30	>2,000	N	100	70	70	N	100	N	N	500	N	300
ME50HM	N	70	100	50	300	10	<50	70	50	N	70	N	1,000	500	N	70
ME51HM	N	70	70	70	500	10	50	50	20	N	70	N	700	500	N	70
77ME52HM	N	70	100	100	700	20	150	50	30	N	70	N	<200	500	N	150
ME53HM	N	100	30	100	>2,000	20	50	70	200	N	100	N	N	500	N	200
ME54HM	N	70	50	70	2,000	30	70	70	<20	N	150	N	N	500	N	200
ME55HM	N	300	50	200	>2,000	20	100	70	100	N	100	N	N	500	N	300
ME56HM	N	100	70	30	>2,000	10	100	70	<20	N	150	N	N	500	N	300
ME57HM	N	150	150	70	>2,000	15	100	100	<20	N	70	N	N	700	N	200
ME58HM	N	50	100	150	1,000	30	50	100	150	N	30	N	N	500	N	100
ME59HM	N	50	150	20	1,000	10	70	70	30	N	70	N	N	500	N	150
ME60HM	N	30	150	30	100	10	N	70	20	N	50	N	1,500	500	N	50
77SL002M	N	20	150	30	50	10	N	10	150	N	50	N	100	500	N	50
77SL003M	N	15	150	50	70	20	N	15	50	N	50	N	1,500	300	N	50
77SL001M	N	15	150	<10	N	N	N	15	50	N	50	N	1,500	300	N	30
77EB002M	N	20	200	50	N	N	N	30	20	N	50	N	1,500	300	N	30
77SL005M	N	50	1,000	100	200	<10	<50	100	30	N	50	N	700	300	N	50
77SL006M	N	100	300	70	<50	10	N	70	300	N	50	N	1,000	300	N	30
77SL007M	N	30	300	100	N	<10	N	20	100	N	30	N	1,500	300	N	30
77SL009M	N	15	50	20	N	10	N	10	70	N	20	N	1,500	300	N	20
77EB003M	N	15	500	30	200	10	N	50	<20	N	30	N	500	200	<100	70
77EB004M	N	20	1,000	50	50	15	N	70	20	N	30	N	700	200	N	50
77EB005M	N	15	500	30	50	10	N	70	100	N	30	N	1,000	200	N	50
77EB006M	N	20	300	30	50	N	N	50	30	N	50	N	2,000	500	N	50
77LA002M	N	30	200	70	50	<10	N	30	50	N	30	N	1,500	300	N	30
77LA003M	N	50	300	100	200	10	<50	70	150	N	50	N	1,500	500	N	70
77LA004M	N	30	700	70	70	10	<50	100	50	N	30	N	1,000	300	N	70
77LA005M	N	20	300	70	500	10	N	50	50	N	50	N	3,000	300	N	150
77LA006M	N	20	2,000	15	70	10	N	150	30	N	70	N	3,000	500	N	50
77LA007M	N	10	70	<10	150	10	<50	<10	30	N	50	N	2,000	300	N	50
77SL001M	N	20	300	70	150	10	<50	30	30	N	50	N	3,000	300	N	70

Table 2. Magnetic fraction of heavy mineral concentrates.

sample	S-ZN	S-ZR	S-TH
ME05HM	N	500	--
ME06HM	N	150	--
ME07HM	N	300	--
77ME08HM	N	150	--
ME14HM	N	1,000	--
ME15HM	N	150	--
ME21HM	N	150	--
ME36HM	N	700	--
77ME37HM	N	2,000	--
77ME40HM	1,500	1,500	--
ME41HM	N	1,000	--
77ME43HM	1,000	700	--
ME44HM	N	1,500	--
ME47HM	N	1,500	--
ME48HM	N	1,000	--
ME50HM	N	300	--
ME51HM	N	700	--
77ME52HM	N	1,000	--
ME53HM	<500	1,500	--
ME54HM	N	1,500	--
ME55HM	N	1,500	--
ME56HM	N	2,000	--
ME57HM	N	1,000	--
ME58HM	<500	200	--
ME59HM	N	300	--
ME60HM	N	150	--
77SL002M	N	300	--
77SL003M	N	150	--
77LB001M	N	150	--
77EB002M	N	150	--
77SL005M	N	150	--
77SL006M	N	150	--
77SL007M	N	500	--
77SL008M	N	150	--
77EB003M	N	300	--
77EB004M	N	150	--
77SL009M	N	150	--
77LB010M	N	150	--
77LA012M	N	150	--
77LA013M	N	200	--
77LA014M	N	150	--
77LA015M	N	150	--
77LA016M	N	300	--
77LA017M	N	150	--
77BG001M	N	200	--

Table 2. Magnetic fraction of heavy mineral concentrates.--continued

sample	LATITUDE	LONGITUD	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE	S-BI
77DT001M	46 16 44	111 44 31	15	7.0	7.0	1.00	3,000	N	N	N	70	200	2	N
77DT002M	46 16 33	111 45 38	20	7.0	7.0	.70	5,000	N	N	N	500	500	5	N
77DT003M	46 16 47	111 45 53	30	5.0	20.0	.20	3,000	N	N	N	30	300	3	N
77EB005M	46 16 49	111 41 16	20	5.0	5.0	2.00	5,000	N	N	N	30	500	5	N
77EB009M	46 16 55	111 48 47	20	5.0	10.0	2.00	3,000	N	N	N	50	500	2	N
77SL011M	46 20 29	111 47 26	15	1.5	7.0	1.50	2,000	1.0	N	N	70	500	3	N
77SL012M	46 20 22	111 47 43	10	3.0	7.0	1.00	2,000	N	N	N	50	500	2	N
77SL013M	46 19 56	111 46 59	10	5.0	10.0	1.50	3,000	N	N	N	100	500	2	N
77SL014M	46 21 11	111 44 43	10	1.5	10.0	1.50	2,000	N	N	N	70	300	<2	N
77LA008M	46 20 21	111 47 58	10	2.0	7.0	1.50	3,000	1.0	1,500	N	100	700	<2	N
77LA009M	46 19 58	111 46 49	10	2.0	7.0	1.00	3,000	1.5	N	N	200	500	2	N
77LA10AM	46 20 0	111 46 20	10	7.0	10.0	>2.00	2,000	N	N	N	150	500	<2	N
77LA011M	46 20 54	111 45 48	10	5.0	10.0	1.00	2,000	N	N	N	30	300	<2	N
77LA012M	46 21 12	111 44 45	20	2.0	7.0	.70	2,000	1.0	500	N	50	300	2	N
77EB003M	46 16 47	111 47 44	20	2.0	10.0	.20	5,000	N	N	N	30	1,000	10	N
77EB004M	46 16 54	111 48 21	20	2.0	15.0	.20	7,000	<1.0	N	N	150	1,500	5	N
77HG002M	46 16 50	111 44 35	20	5.0	10.0	1.50	3,000	<1.0	N	N	100	700	5	N
77SL015M	46 21 23	111 41 8	20	1.0	10.0	2.00	2,000	N	N	N	100	700	2	N
77SL016M	46 23 13	111 41 59	20	3.0	10.0	.70	2,000	1.0	N	N	50	500	<2	N
77SL017M	46 25 20	111 41 41	30	5.0	7.0	1.50	5,000	20.0	3,000	N	50	700	<2	100
77SL018M	46 26 44	111 43 8	15	3.0	10.0	1.00	2,000	1.5	N	N	50	700	2	N
77SL019M	46 21 23	111 41 8	20	1.0	10.0	2.00	2,000	N	N	N	50	700	2	N
77LA013M	46 28 47	111 50 4	20	5.0	7.0	>2.00	5,000	N	N	N	1,000	500	2	N
77LA014M	46 28 11	111 49 35	20	10.0	10.0	>2.00	7,000	1.5	N	N	300	300	3	N
77LA015M	46 26 44	111 48 56	15	1.5	15.0	.70	3,000	N	N	N	150	700	<2	N
77LA016M	46 26 59	111 50 9	20	2.0	7.0	1.00	3,000	N	N	N	500	500	2	N
77LA017M	46 25 58	111 51 34	30	3.0	5.0	1.50	5,000	N	N	N	3,000	500	2	N
77EB011M	46 21 29	111 41 9	20	1.0	7.0	1.00	2,000	N	N	N	50	500	2	N
77EB012M	46 21 19	111 41 48	20	.7	7.0	.50	3,000	10.0	7,000	N	30	500	<2	N
77EB013M	46 22 59	111 42 10	20	1.0	7.0	1.00	2,000	1.0	N	N	30	500	2	N
77EB014M	46 25 18	111 41 49	30	2.0	2.0	1.00	7,000	200.0	7,000	100	20	500	3	50
77DT004M	46 28 55	111 50 12	15	5.0	7.0	2.00	5,000	<1.0	N	N	700	200	<2	N
77DT005M	46 28 14	111 49 29	20	7.0	7.0	>2.00	5,000	N	N	N	30	200	5	N
77DT006M	46 26 48	111 48 47	20	5.0	7.0	2.00	5,000	2.0	N	N	70	300	2	N
77BG007M	46 25 38	111 50 49	15	2.0	7.0	.70	2,000	N	N	N	70	500	<2	N
77BG008M	46 26 21	111 51 47	30	7.0	7.0	>2.00	5,000	N	N	N	2,000	150	3	<20
77LA018M	46 21 6	111 59 9	15	7.0	7.0	2.00	5,000	N	N	N	50	N	3	N
77LA019M	46 21 20	111 57 7	10	7.0	7.0	2.00	3,000	N	N	N	700	70	2	N
77BG009M	46 21 5	111 59 14	15	5.0	7.0	2.00	5,000	N	N	N	50	200	5	<20
77BG010M	46 20 52	111 57 11	7	5.0	5.0	2.00	3,000	N	N	N	200	50	3	N
77BG011M	46 20 52	111 57 11	10	5.0	7.0	2.00	5,000	N	N	N	150	70	3	<20
77WM013M	46 26 21	111 54 11	10	7.0	7.0	2.00	7,000	N	N	N	200	100	5	N
77WM014M	46 25 14	111 54 23	15	5.0	15.0	1.00	3,000	N	N	N	500	70	<2	N
77WM024M	46 25 9	111 54 25	20	7.0	7.0	>2.00	7,000	2.0	3,000	N	200	150	2	N
77WM025M	46 24 15	111 54 24	30	5.0	7.0	>2.00	3,000	1.5	N	N	100	300	N	20

Table 2. Magnetic fraction of heavy mineral concentrates.--continued

sample	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y
77DT001M	N	30	700	50	300	<10	<50	200	<20	N	70	N	<200	300	N	70
77DT002M	N	50	700	100	500	15	N	150	50	N	70	N	200	300	N	70
77DT003M	N	70	100	150	500	10	N	150	70	N	30	N	<200	300	<100	30
77EB008M	N	50	500	150	1,000	<10	100	200	200	N	50	N	500	300	N	150
77EB009M	N	30	1,500	70	70	<10	<50	100	20	N	50	N	500	300	<100	70
77SL011M	N	20	150	100	150	<10	N	70	100	N	30	N	1,500	300	N	70
77SL012M	N	30	700	50	<50	N	N	70	50	N	30	N	1,000	300	N	30
77SL013M	N	20	500	50	70	<10	N	70	50	N	50	N	2,000	500	N	50
77SL014M	N	30	150	30	50	10	N	20	50	N	50	N	1,500	500	N	50
77LA008M	N	15	300	200	100	10	<50	50	500	N	50	N	1,500	300	N	50
77LA009M	N	20	200	70	100	N	<50	70	70	N	50	N	1,500	300	N	50
77LA010M	N	50	1,000	30	50	N	N	100	<20	N	70	N	700	300	N	30
77LA011M	N	30	200	30	200	<10	N	30	20	N	70	N	1,000	500	N	50
77LA012M	N	100	70	70	70	20	N	20	70	N	30	N	1,000	300	N	30
77BG004M	N	70	100	2,000	300	50	N	100	300	N	10	N	<200	300	150	70
77BG005M	N	70	200	1,500	200	70	N	100	100	N	10	N	N	300	100	20
77BG006M	N	50	700	150	1,500	10	50	100	70	N	30	N	700	300	N	70
77SL015M	N	15	100	20	70	N	N	10	30	N	30	N	2,000	500	N	50
77SL016M	N	100	300	150	200	15	N	50	100	N	30	N	1,000	500	N	30
77SL017M	100	100	150	2,000	500	70	50	50	1,000	N	30	N	500	300	100	150
77SL018M	N	100	200	70	<50	10	N	30	70	N	30	N	1,500	300	N	50
77SL019M	N	15	100	10	50	N	N	10	30	N	30	N	2,000	300	N	50
77LA013M	N	50	100	100	700	15	200	50	20	N	50	N	<200	500	100	200
77LA014M	N	70	30	100	700	30	300	15	300	N	50	N	<200	300	<100	300
77LA015M	N	10	30	10	50	10	N	10	30	N	50	N	1,500	300	N	50
77LA016M	N	30	70	50	50	10	N	10	<20	N	30	N	1,500	300	N	50
77LA017M	N	100	50	30	500	<10	N	20	100	N	50	N	1,000	200	N	70
77EB011M	N	15	50	15	<50	N	N	10	20	N	50	N	2,000	300	N	30
77EB012M	100	20	70	500	N	10	N	15	5,000	N	20	N	1,000	200	N	30
77EB013M	N	50	150	200	<50	10	N	15	100	N	30	N	1,500	200	N	50
77EB014M	200	70	150	3,000	700	50	N	70	10,000	500	30	N	700	150	N	70
77DT004M	N	30	100	1,000	300	N	70	70	50	N	70	N	200	200	N	200
77DT005M	N	50	150	100	700	50	150	50	<20	N	70	N	N	200	<100	300
77DT006M	N	70	100	150	200	15	100	15	300	N	50	N	200	200	N	200
77BG007M	N	20	100	15	70	N	N	15	20	N	30	N	1,500	300	N	30
77BG008M	N	150	150	20	>2,000	10	70	100	50	N	150	N	N	300	N	700
77LA018M	N	50	50	20	>2,000	N	70	70	<20	N	150	N	N	200	N	700
77LA019M	N	50	300	20	300	10	70	150	<20	N	70	N	N	200	N	200
77BG009M	N	150	50	200	>2,000	50	100	50	150	N	70	N	N	200	100	1,000
77BG010M	N	70	50	50	>2,000	10	70	50	N	N	70	N	N	200	N	500
77BG011M	N	100	70	30	>2,000	10	70	70	N	N	100	N	N	200	N	500
77WM013M	N	50	70	20	1,000	10	70	70	N	N	100	N	N	300	N	300
77WM014M	N	50	300	200	1,000	10	<50	100	20	N	50	10	N	300	N	200
77WM004M	N	50	100	1,000	>2,000	10	70	50	300	N	70	N	N	300	N	200
77WM005M	N	300	100	150	>2,000	<10	70	70	100	N	70	N	N	300	N	700

Table 2. Magnetic fraction of heavy mineral concentrates.--continued

sample	S-ZN	S-ZR	S-TH
77DT001M	N	500	--
77DT002M	N	500	--
77DT003M	N	150	--
77EB008M	N	700	--
77EB009M	N	500	--
77SL011M	N	200	--
77SL012M	N	150	--
77SL013M	N	200	--
77SL014M	N	150	--
77LA008M	N	>2,000	--
77LA009M	N	700	--
77LA010M	N	100	--
77LA011M	N	150	--
77LA012M	N	150	--
77EB003M	2,000	150	--
77EB004M	1,000	500	--
77EB002M	N	200	--
77SL015M	N	500	--
77SL016M	N	150	--
77SL017M	10,000	500	--
77SL018M	N	200	--
77SL019M	N	200	--
77LA013M	N	>2,000	--
77LA014M	700	1,000	--
77LA015M	N	500	--
77LA016M	N	150	N
77LA017M	N	200	N
77EB011M	N	200	N
77EB012M	5,000	150	N
77EB013M	N	150	N
77EB014M	>20,000	200	N
77DT004M	N	1,000	N
77DT005M	N	300	N
77DT006M	1,000	200	N
77EB007M	N	150	N
77EB008M	N	700	700
77LA018M	N	1,500	300
77LA019M	N	150	N
77EB009M	N	>2,000	700
77EB010M	N	>2,000	200
77EB011M	N	1,000	500
77WM013M	N	1,500	200
77WM014M	N	500	<200
77WM004M	2,000	1,500	200
77WM005M	N	>2,000	1,000

Table 2. Magnetic fraction of heavy mineral concentrates.--continued

sample	LATITUDE	LONGITUD	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE	S-BI
77WM006M	46 24 10	111 53 53	20	5.0	7.0	2.00	3,000	N	N	N	300	70	<2	N
77WM007M	46 24 47	111 56 36	20	7.0	7.0	2.00	7,000	N	N	N	200	70	2	N
77MG001M	46 25 29	111 55 41	>50	.7	1.5	>2.00	2,000	N	N	N	30	150	N	N
77MG002M	46 24 12	111 53 52	20	7.0	10.0	2.00	7,000	N	N	N	500	100	5	N
77SL020M	46 24 15	111 43 50	30	2.0	7.0	1.50	7,000	70.0	15,000	N	70	500	2	70
77SL021M	46 24 57	111 44 32	20	2.0	7.0	1.50	2,000	N	N	N	100	500	2	N
77SL022M	46 26 3	111 44 14	20	3.0	10.0	1.50	3,000	N	N	N	70	500	N	N
77SL023M	46 28 27	111 43 27	20	5.0	10.0	2.00	5,000	N	N	N	150	500	<2	N
77LA024M	46 25 31	111 47 8	20	2.0	7.0	1.50	3,000	N	N	N	300	500	2	N
77LA025M	46 17 48	111 47 26	20	10.0	10.0	1.00	3,000	N	N	N	50	300	<2	N
77LA105M	46 20 0	111 46 20	15	10.0	10.0	2.00	3,000	N	N	N	50	500	<2	N
77DT008M	46 24 15	111 43 45	50	.2	2.0	.15	10,000	300.0	>20,000	N	20	1,000	2	300
77DT009M	46 27 20	111 43 35	15	3.0	15.0	.70	5,000	1.0	N	N	70	500	<2	N
77EB015M	46 21 11	111 50 29	30	5.0	7.0	>2.00	5,000	N	N	N	150	150	2	20
77LB016M	46 21 11	111 58 28	30	7.0	7.0	>2.00	5,000	N	N	N	70	300	2	20
77EB018M	46 21 56	111 58 45	30	10.0	10.0	>2.00	5,000	N	N	N	200	150	2	N
77EB019M	46 20 53	111 57 6	30	7.0	10.0	1.50	5,000	2.0	N	N	500	150	2	N
77EB017M	46 21 11	111 58 22	30	7.0	10.0	>2.00	3,000	N	N	N	300	50	N	N
77EB020M	46 18 24	112 1 50	30	7.0	10.0	>2.00	5,000	1.5	N	N	300	150	2	N
77EB021M	46 18 24	112 1 58	30	7.0	10.0	>2.00	5,000	1.5	N	N	300	100	<2	N
77EB022M	46 17 18	112 1 58	20	10.0	10.0	2.00	7,000	N	N	N	70	100	5	N
77EB023M	46 15 48	112 2 0	20	10.0	10.0	1.50	5,000	N	N	N	70	100	5	N
77EB024M	46 15 16	112 1 14	20	10.0	10.0	1.50	7,000	N	N	N	700	100	5	N
77SL024M	45 25 27	111 47 8	20	2.0	10.0	2.00	5,000	N	N	N	150	300	2	N
77SL025M	45 25 35	111 47 3	20	.5	7.0	2.00	3,000	N	N	N	50	150	N	N
77LA214M	46 16 51	111 59 3	10	5.0	5.0	2.00	3,000	N	N	N	300	70	2	N
77WM009M	46 23 21	111 58 5	20	5.0	7.0	2.00	3,000	N	N	N	50	300	N	20
77WM010M	46 23 12	111 57 15	10	5.0	7.0	1.50	3,000	N	N	N	150	<50	2	20
77WM011M	46 23 12	111 57 15	10	5.0	5.0	1.50	3,000	N	N	<20	100	50	2	20
77WM012M	46 20 54	112 0 23	10	5.0	7.0	2.00	3,000	10.0	N	N	200	70	<2	20
77MG003M	46 23 14	111 57 11	10	5.0	7.0	1.00	3,000	N	N	N	300	70	2	<20
77MG004M	46 23 41	111 58 42	10	3.0	5.0	1.50	3,000	N	N	N	50	200	<2	20
77MG005M	46 23 17	111 59 43	7	3.0	7.0	>2.00	3,000	N	N	<20	70	50	2	N
77MG006M	46 20 56	112 0 34	10	3.0	7.0	1.00	3,000	N	N	N	200	70	2	N
77DT10AM	46 18 24	112 1 37	10	5.0	10.0	1.50	3,000	N	N	N	200	50	2	N
77DT012M	46 17 11	112 1 59	10	3.0	7.0	1.50	3,000	N	N	N	70	150	3	N
77DT013M	46 17 7	112 3 7	15	3.0	5.0	2.00	2,000	N	N	N	200	200	2	N
77DT014M	46 15 17	112 1 18	10	5.0	7.0	1.00	2,000	2.0	N	N	100	50	2	N
77BG012M	46 16 41	111 56 22	10	2.0	10.0	.50	3,000	1.0	N	N	1,000	100	2	N
77BG013M	46 16 15	111 54 20	7	2.0	7.0	.50	2,000	N	N	N	200	300	<2	N
77WM023M	46 18 42	111 59 52	30	5.0	15.0	>2.00	3,000	<1.0	N	N	500	100	<2	N
77MG024M	46 18 51	112 0 6	15	1.5	2.0	1.50	1,500	N	N	N	70	1,500	2	N
77WM026M	46 18 39	112 1 9	20	5.0	7.0	2.00	5,000	N	N	N	70	150	2	<20
77WM027M	46 18 39	112 1 9	20	5.0	7.0	>2.00	5,000	N	N	N	100	100	2	<20
77DT019M	46 18 55	111 58 47	15	5.0	7.0	2.00	3,000	N	N	N	300	150	2	N

Table 2. Magnetic fraction of heavy mineral concentrates.--continued

sample	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y
77WM006M	N	70	150	70	>2,000	<10	50	70	50	N	100	N	N	300	<100	500
77WM007M	N	70	100	50	>2,000	<10	70	50	20	N	100	N	N	300	N	300
77MG001M	N	30	1,500	70	300	N	70	50	20	N	15	N	N	3,000	N	70
77MG002M	N	70	100	30	2,000	N	100	50	<20	N	150	N	N	300	N	500
77SL020M	70	20	500	2,000	50	20	N	70	7,000	N	70	N	1,500	300	1,000	100
77SL021M	N	20	700	100	700	10	N	100	50	N	50	N	1,500	300	N	70
77SL022M	N	30	500	70	50	N	N	50	20	N	50	N	1,500	500	N	30
77SL026M	N	30	500	30	200	10	50	70	<20	N	70	N	1,500	300	N	100
77LA027M	N	30	150	10	50	10	<50	10	50	N	50	N	1,500	300	N	70
77LA028M	N	50	1,500	30	N	10	N	70	N	N	70	N	300	300	N	30
77LA108M	N	50	1,500	30	N	10	N	100	N	N	70	N	700	500	N	30
77DT005M	150	10	30	10,000	70	30	N	10	20,000	200	N	N	700	50	2,000	30
77DT009M	N	30	500	50	70	N	N	100	70	N	30	N	1,500	300	N	20
77EB015M	100	150	70	100	>2,000	20	300	50	150	N	150	<20	N	300	200	1,000
77EB016M	N	200	150	150	>2,000	30	300	50	200	N	150	30	N	300	<100	2,000
77EB018M	N	70	50	30	2,000	15	150	50	N	N	150	N	N	300	N	500
77EB019M	N	70	300	200	1,000	N	50	150	50	N	100	N	N	300	N	150
77EB017M	N	100	100	200	>2,000	20	200	50	20	N	150	30	N	300	N	1,500
77EB020M	N	300	100	200	>2,000	15	100	100	70	N	100	N	N	300	N	300
77EB021M	N	200	150	150	>2,000	15	100	100	100	N	100	N	N	300	100	500
77EB022M	N	100	70	20	1,000	10	70	50	N	N	150	N	N	300	N	300
77EB023M	N	70	100	20	700	N	50	30	N	N	100	N	N	300	N	200
77EB024M	N	70	300	30	500	N	70	100	N	N	100	N	N	500	N	300
77SL024M	N	30	100	50	50	<10	N	20	30	N	50	N	1,500	500	N	50
77SL025M	N	15	150	15	70	N	N	<10	20	N	30	N	1,000	500	N	50
77LA014M	N	50	50	30	>2,000	N	50	70	N	N	100	N	N	200	N	200
77WM009M	N	150	70	15	>2,000	10	100	30	100	N	70	20	N	200	N	700
77WM010M	N	50	50	30	>2,000	N	70	50	20	N	70	N	N	200	N	200
77WM011M	N	70	70	15	>2,000	10	70	50	N	N	70	N	N	200	<100	300
77WM012M	N	70	30	150	>2,000	15	100	30	500	N	70	20	N	200	100	700
77MG003M	N	50	70	20	>2,000	N	70	50	<20	N	100	N	N	300	N	300
77MG004M	N	50	50	100	>2,000	10	100	30	50	N	70	N	N	200	N	500
77MG005M	N	50	30	30	>2,000	15	200	30	150	N	100	15	N	200	N	700
77MG006M	N	100	30	30	>2,000	<10	70	50	100	N	100	N	200	200	N	200
77DT104M	N	50	150	20	>2,000	N	70	70	N	N	100	<20	N	200	N	200
77DT012M	N	50	30	30	>2,000	N	70	50	<20	N	100	N	N	200	N	300
77DT013M	N	100	50	100	>2,000	15	100	70	30	N	100	N	N	200	N	300
77DT014M	N	70	50	50	700	N	50	70	200	N	150	N	N	300	100	200
77BG012M	N	20	200	70	150	10	N	70	70	N	20	N	300	150	N	70
77BG013M	N	15	500	20	50	N	N	70	30	N	30	N	1,500	200	N	30
77WM023M	N	100	200	100	2,000	20	50	100	20	N	70	<20	N	200	N	300
77MG024M	N	20	50	70	50	N	N	30	<20	N	20	N	700	200	N	30
77WM026M	N	100	50	70	>2,000	N	50	100	<20	N	100	N	N	200	N	300
77WM027M	N	100	50	50	>2,000	10	100	100	<20	N	100	N	N	300	<100	500
77DT019M	N	30	200	30	500	10	100	100	N	N	70	N	N	200	N	200

Table 2. Magnetic fraction of heavy mineral concentrates.--continued

sample	S-ZN	S-ZR	S-TH
77WM006M	N	>2,000	700
77WM007M	N	>2,000	500
77MG001M	N	>2,000	N
77MG002M	N	>2,000	<200
77SL020M	700	700	N
77SL021M	N	1,000	<200
77SL022M	N	200	N
77SL023M	N	1,000	N
77LA020M	N	500	N
77LA021M	N	100	N
77LA108M	N	150	N
77DT008M	5,000	100	N
77DT009M	N	200	N
77EB015M	N	>2,000	1,500
77EB016M	N	>2,000	700
77EB018M	N	>2,000	300
77EB019M	N	1,500	N
77EB017M	N	>2,000	500
77EB020M	N	2,000	500
77EB021M	N	>2,000	700
77EB022M	N	>2,000	N
77EB023M	N	1,500	N
77EB024M	N	>2,000	N
77SL024M	N	200	N
77SL025M	N	100	N
77LA211M	N	500	300
77WM009M	N	200	1,000
77WM010M	N	1,000	500
77WM011M	N	1,500	700
77WM012M	<500	>2,000	700
77MG003M	N	700	500
77MG004M	N	>2,000	1,500
77MG005M	N	>2,000	500
77MG006M	N	1,000	500
77DT104M	N	2,000	200
77DT012M	N	1,500	300
77DT013M	N	1,500	500
77DT014M	N	1,000	N
77MG012M	N	150	N
77EG013M	N	150	N
77WM023M	N	>2,000	N
77MG024M	N	200	N
77WM026M	N	2,000	300
77WM027M	N	>2,000	500
77DT019M	N	2,000	N

Table 2. Magnetic fraction of heavy mineral concentrates.--continued

sample	LATITUDE	LONGITUD	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE	S-BI
77DTQ21M	46 18 35	112 1 9	20	7.0	10.0	2.00	5,000	N	N	N	200	150	2	N
77[illegible]028M	46 22 54	111 49 27	20	.5	10.0	1.50	3,000	N	N	N	150	700	2	N
77[illegible]029M	46 21 53	111 49 32	10	.5	10.0	1.00	2,000	N	N	N	100	500	<2	N
77[illegible]030M	46 22 5	111 52 59	15	7.0	7.0	2.00	3,000	N	N	N	1,500	150	2	N
77MG010M	46 22 58	111 49 32	15	.7	10.0	1.00	7,000	N	N	N	150	1,500	<2	N
77MG011M	46 22 54	111 49 37	15	.5	10.0	2.00	2,000	N	N	N	150	500	<2	N
77MG012M	46 21 47	111 50 44	15	1.5	10.0	1.50	2,000	N	N	N	1,500	700	2	N
77MG013M	46 21 47	111 50 44	10	1.0	7.0	1.50	2,000	N	N	N	1,000	700	<2	N
77[illegible]014M	46 22 4	111 51 55	20	1.0	7.0	2.00	5,000	N	N	N	2,000	1,000	2	N
77[illegible]035M	46 26 35	111 56 4	20	1.0	1.5	2.00	1,500	N	N	N	50	700	7	N
77[illegible]034M	46 20 34	111 54 10	20	7.0	7.0	>2.00	5,000	N	N	N	1,500	150	2	N
77[illegible]036M	46 20 40	111 51 57	15	3.0	10.0	1.00	2,000	N	N	N	2,000	200	<2	N
77[illegible]037M	46 18 38	111 53 26	20	3.0	10.0	1.00	2,000	1.0	N	N	>5,000	300	<2	N
77[illegible]038M	46 18 45	111 53 12	15	5.0	10.0	1.00	3,000	1.0	N	N	1,000	300	<2	N
77[illegible]039M	46 19 22	111 52 37	20	5.0	10.0	1.50	3,000	N	N	N	1,000	300	2	N
77MG017M	46 20 35	111 54 11	20	5.0	10.0	2.00	5,000	N	N	N	1,000	200	2	N
77[illegible]015M	46 20 35	111 50 4	20	2.0	10.0	.70	3,000	N	N	N	150	500	2	N
77MG019M	46 19 49	111 51 29	30	5.0	15.0	1.00	3,000	N	N	N	700	300	2	N
77MG020M	46 19 33	111 51 34	20	3.0	20.0	1.00	3,000	N	N	N	300	700	<2	N
77MG021M	46 19 8	111 51 44	20	1.0	15.0	1.00	2,000	N	N	N	500	1,000	5	N
77MG022M	46 19 5	111 51 28	20	1.5	15.0	1.00	5,000	N	N	N	200	1,000	2	N
77MG023M	46 20 38	111 50 31	20	5.0	15.0	1.00	3,000	N	N	N	700	500	2	N
77MG018M	46 20 35	111 54 14	20	10.0	10.0	1.50	3,000	N	N	N	1,000	150	2	N
77SL[illegible]8M	46 26 2	111 55 14	50	1.5	3.0	>2.00	3,000	N	N	N	100	200	3	N
77[illegible]025M	46 22 26	111 47 58	10	1.5	3.0	1.00	1,000	N	N	N	70	1,500	3	N
77MG026M	46 22 30	111 47 58	10	1.5	3.0	1.00	1,500	N	N	N	70	2,000	3	N
77[illegible]002M	46 26 21	111 54 11	30	5.0	7.0	>2.00	7,000	N	N	N	700	200	2	N
77MG007M	46 16 47	111 56 57	20	2.0	20.0	.70	3,000	N	N	N	300	100	2	N
77MG005M	46 16 11	111 55 14	20	3.0	20.0	1.00	3,000	N	N	N	2,000	300	2	N
77[illegible]016M	46 15 38	111 57 46	30	7.0	10.0	1.50	5,000	30.0	1,500	N	1,000	700	3	N
77LA2[illegible]4M	46 16 45	111 59 3	20	10.0	10.0	1.50	5,000	N	N	N	1,500	100	5	N
77EB[illegible]27M	46 18 39	112 1 9	20	2.0	10.0	1.50	5,000	N	N	N	700	500	<2	N
77DTQ11M	46 18 24	112 1 40	20	7.0	20.0	2.00	5,000	N	N	N	1,500	150	7	N
77DT[illegible]15M	46 16 54	111 58 5	20	7.0	20.0	1.50	3,000	1.0	N	N	1,000	150	2	N
77BG014M	46 16 18	111 54 24	20	1.5	20.0	1.00	3,000	N	N	N	700	300	2	N
77BG006M	46 26 39	111 48 50	20	3.0	15.0	1.00	3,000	N	N	N	200	700	2	N
77DTQ17M	46 14 44	111 58 19	20	3.0	10.0	>2.00	5,000	1.0	N	N	>5,000	1,000	5	N
77EB[illegible]26M	46 29 27	111 46 24	15	1.5	15.0	1.00	3,000	N	N	N	700	300	<2	N
77DT[illegible]9M	46 16 59	111 58 9	20	5.0	15.0	1.50	5,000	<1.0	N	N	300	100	2	N
77EB025M	46 25 8	111 46 22	20	1.5	15.0	1.50	5,000	N	N	N	200	300	<2	N
77EB045M	46 19 5	112 1 40	20	5.0	7.0	2.00	5,000	1.0	N	N	150	200	7	30
77EB046M	46 19 14	112 1 50	10	5.0	7.0	1.50	5,000	N	N	N	50	200	7	N
77EB047M	46 19 14	112 1 59	15	7.0	7.0	2.00	5,000	N	N	N	700	300	3	30
77EB048M	46 18 43	112 2 4	10	5.0	7.0	>2.00	3,000	<1.0	N	N	50	300	5	N
77MG009M	46 14 35	111 55 37	20	1.0	1.5	.50	3,000	N	1,000	N	100	1,000	20	N

Table 2. Magnetic fraction of heavy mineral concentrates.--continued

sample	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y
77DT021M	N	50	200	70	>2,000	10	70	100	<20	N	100	N	N	200	N	200
77WM028M	N	30	70	30	200	N	N	20	50	N	30	N	1,500	200	N	50
77WM029M	N	15	50	30	50	<10	N	10	<20	N	30	N	1,000	200	N	50
77WM030M	N	70	300	70	2,000	N	70	150	N	N	70	N	N	200	N	200
77MG010M	N	10	50	20	70	10	N	15	20	N	50	N	1,500	300	N	50
77MG011M	N	10	30	10	70	10	N	10	20	N	50	N	1,500	300	N	50
77MG012M	N	20	100	15	70	10	N	40	30	N	50	N	1,500	300	N	50
77MG013M	N	20	50	10	70	N	N	15	<20	N	50	N	1,500	300	N	50
77MG014M	N	150	70	70	100	5	50	20	50	N	50	N	1,500	300	N	70
77WM033M	N	20	150	20	1,000	N	200	20	50	N	20	N	N	300	N	2,000
77WM034M	N	50	300	20	200	N	100	70	N	N	70	N	N	300	N	100
77WM036M	N	100	500	30	150	N	<50	70	20	N	50	N	1,500	300	N	70
77WM037M	N	150	500	150	200	N	N	70	50	N	50	N	2,000	300	N	70
77WM038M	N	30	700	15	50	N	N	70	50	N	50	N	1,500	300	N	50
77WM039M	N	100	500	100	200	N	50	200	50	N	70	N	500	300	N	100
77MG017M	N	100	700	100	200	<10	70	200	50	N	70	N	300	300	N	150
77MG018M	N	20	500	15	100	N	N	70	20	N	50	N	1,500	300	N	50
77MG019M	N	30	700	50	100	<10	N	100	50	N	50	N	1,500	500	N	50
77MG020M	N	20	500	20	150	N	N	70	50	N	50	N	2,000	500	N	70
77MG021M	N	20	70	30	150	<10	N	20	70	N	50	N	2,000	500	N	70
77MG022M	N	20	200	15	150	<10	N	30	30	N	50	N	2,000	500	N	70
77MG023M	N	150	700	70	150	N	N	150	70	N	50	N	2,000	300	N	70
77MG016M	N	100	1,000	70	200	N	50	300	20	N	70	N	<200	300	N	200
77SL048M	N	50	300	50	>2,000	N	70	50	70	N	20	N	N	2,000	150	300
77MG026M	N	30	20	30	50	N	N	20	<20	N	20	N	1,000	500	N	30
77MG02eM	N	30	20	30	<50	N	N	20	20	N	20	N	1,000	300	N	30
77WM032M	N	70	70	50	>2,000	N	100	15	30	N	50	N	<200	500	N	500
77MG027M	N	20	30	1,500	50	15	N	20	N	N	15	150	N	150	N	50
77MG028M	N	30	300	70	50	10	N	70	50	N	30	N	700	500	N	50
77WM016M	N	100	300	200	200	10	<50	100	200	N	70	N	500	500	N	100
77LA218M	N	100	100	30	>2,000	N	70	100	N	N	100	N	N	500	N	300
77EB027M	N	50	150	50	300	N	<50	20	30	N	70	N	2,000	500	N	70
77DT011M	N	100	200	50	>2,000	10	150	70	20	N	70	N	<200	300	N	500
77DT015M	N	70	300	500	1,000	10	N	100	70	N	70	50	N	300	N	100
77BG014M	N	15	300	20	100	N	N	70	50	N	50	N	3,000	500	N	50
77BG036M	N	20	200	15	100	N	N	50	50	N	70	N	2,000	500	N	50
77DT017M	N	100	150	300	700	10	150	30	200	N	70	N	1,500	500	N	300
77EB026M	N	10	50	15	200	<10	N	15	<20	N	50	N	1,500	300	N	70
77DT016M	N	70	150	100	>2,000	15	70	70	<20	N	70	20	N	300	N	200
77EB025M	N	20	50	20	50	N	N	10	20	N	50	N	2,000	500	N	100
77EB045M	N	100	70	100	>2,000	N	70	70	70	N	100	N	N	200	N	300
77EB046M	N	50	50	70	700	N	50	30	N	N	100	N	N	200	N	150
77EB047M	N	150	70	70	>2,000	N	70	50	<20	N	100	N	N	200	N	300
77EB048M	N	70	50	70	700	10	70	50	N	N	100	N	N	300	N	200
77MG039M	N	70	200	150	200	70	<50	150	150	N	30	N	<200	200	N	150

Table 2. Magnetic fraction of heavy mineral concentrates.--continued

sample	S-ZN	S-ZR	S-TH
77DTQ21M	N	1,500	N
77WM028M	N	300	N
77WM029M	N	200	N
77WM030M	N	>2,000	N
77MG010M	N	200	N
77MG011M	N	300	N
77MG012M	N	300	N
77MG013M	N	500	N
77MG014M	N	150	N
77WM035M	N	>2,000	200
77WM034M	N	>2,000	N
77WM036M	N	700	N
77WM037M	N	200	N
77WM038M	N	150	N
77WM039M	N	500	N
77MG017M	N	500	N
77MG018M	N	200	N
77MG019M	N	150	N
77MG020M	N	150	N
77MG021M	N	150	N
77MG022M	N	150	N
77MG023M	N	500	N
77MG016M	N	2,000	N
77SLG48M	N	>2,000	200
77MG025M	N	300	N
77MG026M	N	300	N
77WM002M	N	>2,000	500
77MG007M	N	300	N
77MG008M	N	200	N
77WM016M	N	200	N
77CA218M	N	1,000	<200
77EBC27M	N	200	N
77DTQ11M	N	2,000	200
77DTQ15M	<500	300	N
77BGC14M	N	150	N
77BG006M	N	150	N
77DTC17M	N	1,000	N
77EBC26M	N	150	N
77DTC16M	N	300	300
77EBC25M	N	300	N
77EBC45M	N	2,000	700
77EBC46M	N	500	N
77EBC47M	N	300	1,000
77EBC48M	N	700	200
77MG009M	2,000	500	N

Table 2. Magnetic fraction of heavy mineral concentrates.--continued

sample	LATITUDE	LONGITUD	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE	S-BI
77WMG028M	46 18 38	111 54 10	10	5.0	7.0	1.50	2,000	N	N	N	2,000	300	3	N
77WMG027M	46 18 38	111 54 10	15	5.0	7.0	1.00	2,000	N	N	N	5,000	500	2	N
77WM100M	46 21 5	111 57 34	20	5.0	7.0	1.50	5,000	N	N	N	100	150	5	N
77WM102M	46 20 41	111 51 55	20	5.0	7.0	2.00	5,000	N	N	N	70	500	5	N
77WM104M	46 18 32	111 54 29	15	5.0	7.0	.70	2,000	1.5	N	N	3,000	500	<2	N
77WM003M	46 25 14	111 54 23	20	.7	.7	2.00	>10,000	5.0	500	N	500	700	30	N
77WG030M	46 16 26	111 47 25	20	5.0	10.0	.50	3,000	2.0	N	N	30	300	2	N
77WG031M	46 21 5	111 45 16	20	1.5	2.0	.70	2,000	1.5	1,000	N	30	500	3	N
77WG032M	46 21 6	111 45 17	15	2.0	7.0	.70	2,000	N	N	N	50	700	5	N
77WM109M	46 15 38	111 58 9	15	5.0	5.0	>2.00	3,000	N	N	N	500	200	5	N
77WM112M	46 16 51	111 49 4	20	3.0	7.0	1.50	2,000	N	N	N	50	500	5	N
77WM113M	46 21 2	111 45 17	20	1.5	7.0	.50	2,000	1.0	700	N	70	300	3	N

Table 2. Magnetic fraction of heavy mineral concentrates.--continued

sample	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y
77MG028M	N	100	300	50	50	N	50	70	70	N	70	N	700	300	N	100
77MG027M	N	100	500	50	50	<10	N	70	100	N	70	N	700	300	N	30
77WM100M	N	50	70	30	>2,000	N	200	50	<20	N	100	N	200	300	N	500
77WM102M	N	150	50	100	>2,000	10	100	70	20	N	100	N	N	300	N	200
77WM104M	N	100	1,000	70	30	<10	N	150	70	N	30	N	1,000	300	N	50
77WM003M	200	50	50	100	300	30	100	30	5,000	N	20	300	N	300	N	500
77MG050M	N	70	2,000	100	200	10	N	200	100	N	30	N	<200	300	N	50
77MG051M	N	70	50	150	N	N	N	10	300	N	30	N	700	200	N	50
77MG032M	N	50	70	100	N	N	N	20	50	N	50	N	1,500	200	N	50
77WM109M	N	50	200	50	300	N	100	70	<20	N	100	N	200	300	N	150
77WM112M	N	100	700	70	50	N	<50	70	50	N	70	N	1,000	300	N	50
77WM113M	N	150	50	70	N	N	N	20	100	N	30	N	1,500	300	N	50

Table 2. Magnetic fraction of heavy mineral concentrates.--continued

sample	S-ZN	S-ZR	S-TH
77MG028M	N	500	N
77MG027M	N	150	N
77WM100M	N	>2,000	200
77WM102M	N	1,500	500
77WM104M	N	200	N
77WM003M	>20,000	1,000	N
77MG030M	N	>2,000	N
77MG031M	700	700	N
77MG032M	N	150	N
77WM109M	N	500	N
77WM112M	N	150	N
77WM113M	700	100	N

Table 3. Geochemical data for rocks

sample	LATITUDE	LONGITUD	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE
ME013G	46 18 10	111 48 10	7.00	1.50	2.00	.500	1,000	N	N	N	10	700	1.0
ME03G	46 19 0	111 47 39	10.00	2.00	2.00	.700	1,500	N	N	N	10	1,000	1.5
ME04G	46 19 0	111 47 39	1.50	.50	.50	.100	300	N	N	N	<10	300	<1.0
ME05G	46 19 6	111 46 40	2.00	2.00	7.00	.200	300	N	N	N	50	500	1.5
ME09G	46 21 24	111 53 12	3.00	1.50	1.50	.300	700	N	N	N	30	700	1.5
ME10G	46 21 37	111 53 35	3.00	1.00	1.00	.300	500	.7	N	N	10	500	<1.0
ME13G	46 21 37	111 53 35	3.00	.70	1.50	.500	500	N	N	N	30	700	1.0
ME17G	46 21 6	111 50 25	3.00	.70	1.50	.300	700	N	N	N	50	700	1.0
ME19G	46 21 7	111 50 29	7.00	1.00	.70	.500	300	2.0	N	N	150	1,000	1.0
ME24G	46 20 32	111 53 0	3.00	.50	1.00	.500	700	N	N	N	30	1,000	1.5
ME25G	46 18 55	111 52 14	5.00	1.50	2.00	.500	1,000	N	N	N	150	700	1.0
ME31G	46 19 36	111 52 45	7.00	1.50	1.50	.500	1,000	N	N	N	15	700	1.5
ME33G	46 26 30	111 52 53	.50	.15	.50	.070	50	N	N	N	<10	300	1.0
ME36G	46 26 32	111 52 54	5.00	1.00	1.50	.200	500	1.5	N	N	10	700	1.5
ME37G	46 26 22	111 52 45	.70	.10	.70	.070	70	N	N	N	10	200	1.5
ME38G	46 25 59	111 52 18	3.00	1.50	1.50	.300	500	N	N	N	10	700	1.5
ME45G	46 25 23	111 50 20	2.00	.70	1.00	.150	500	N	N	N	15	500	1.5
ME46G	46 24 51	111 53 21	3.00	1.00	1.50	.300	700	N	N	N	20	500	1.5
ME49G	46 27 12	111 54 26	5.00	1.50	1.50	.500	700	1.5	N	N	15	700	1.5
ME2G	46 18 7	111 47 54	5.00	1.50	1.50	.500	1,000	N	N	N	<10	1,000	1.5
ME26G	46 18 55	111 52 14	7.00	.30	.07	.200	150	7.0	10,000	N	50	150	1.0
ME27G	46 18 55	111 52 14	7.00	1.50	1.50	.300	700	N	N	N	15	700	1.5
ME29G	46 19 14	111 52 24	5.00	1.00	1.50	.300	700	N	N	N	15	700	1.5
ME32G	46 20 31	111 53 25	7.00	5.00	3.00	.300	1,000	N	N	N	<10	1,000	1.0
ME33G	46 20 39	111 54 20	5.00	1.50	1.50	.300	700	N	N	N	50	700	1.5
ME42G	46 25 0	111 51 42	5.00	1.50	1.50	.300	700	N	N	N	10	700	1.5
ME50G	46 27 48	111 51 12	3.00	.50	.10	.300	70	N	N	N	700	300	2.0
ME51G	46 27 16	111 51 20	5.00	1.50	1.50	.300	700	N	N	N	20	700	1.5
77DTC71G	46 18 47	111 52 45	15.00	7.00	10.00	.500	1,500	N	N	N	10	500	<1.0
77DT072G	46 18 47	111 52 45	10.00	3.00	5.00	.500	700	<.5	N	N	20	500	<1.0
77DT073G	46 18 47	111 52 45	10.00	3.00	1.00	.500	200	1.5	N	N	>2,000	20	<1.0
77DT074G	46 18 47	111 52 45	15.00	5.00	7.00	.500	1,000	<.5	N	N	300	1,500	<1.0
77DT075G	46 18 47	111 52 45	10.00	5.00	1.00	.500	200	.7	N	N	>2,000	20	<1.0
77DTL76G	46 18 47	111 52 45	15.00	7.00	10.00	.500	1,000	N	N	N	200	700	<1.0
77DT077G	46 18 47	111 52 45	15.00	2.00	.50	.300	200	.5	N	N	>2,000	20	<1.0
77DT078G	46 18 47	111 52 45	15.00	5.00	7.00	.500	500	<.5	N	N	1,500	700	<1.0
77DTC79G	46 18 47	111 52 45	15.00	5.00	10.00	.500	1,000	N	N	N	150	1,500	<1.0
77DTL80G	46 18 47	111 52 45	15.00	7.00	10.00	.500	1,000	N	N	N	30	1,500	<1.0
77DT081G	46 18 47	111 52 45	15.00	5.00	10.00	.700	2,000	<.5	N	N	20	2,000	<1.0
77DT083G	46 18 47	111 52 45	10.00	3.00	3.00	.700	1,000	N	N	N	10	1,000	<1.0
77DTC85G	46 18 47	111 52 45	10.00	5.00	7.00	.700	1,500	N	N	N	70	1,500	<1.0
77DT086G	46 18 47	111 52 45	5.00	1.50	.50	.500	200	1.5	N	N	>2,000	20	<1.0
77DT087G	46 18 47	111 52 45	10.00	5.00	10.00	.500	1,000	N	N	N	100	1,000	<1.0
77DTU88G	46 18 47	111 52 45	10.00	2.00	.70	.500	700	1.0	N	N	>2,000	<20	<1.0
77DTU89G	46 18 47	111 52 45	10.00	3.00	5.00	.500	1,000	N	N	N	200	1,000	<1.0

Table 3. Geochemical data for rocks

sample	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V
ME01G	N	N	15	<10	5	50	N	N	<5	15	N	10	N	700	150
ME03G	N	N	20	10	70	70	N	<20	10	20	N	20	N	1,500	300
ME04G	N	N	5	N	30	N	N	N	<5	N	N	5	N	500	70
ME05G	N	N	5	50	10	50	N	<20	20	20	N	7	N	300	100
ME09G	N	N	20	100	30	50	N	<20	50	20	N	15	N	700	150
ME10G	N	N	10	10	30	50	7	N	10	30	N	10	N	500	150
ME13G	N	N	15	20	15	20	N	<20	5	30	N	15	N	500	150
ME17G	N	N	5	<10	<5	50	N	<20	<5	15	N	7	N	500	100
ME19G	N	N	<5	15	7	30	5	<20	<5	50	N	15	N	500	200
ME24G	N	N	<5	<10	N	70	N	20	<5	50	N	10	N	500	70
ME25G	N	N	10	50	5	50	N	<20	15	10	N	15	N	700	200
ME31G	N	N	15	100	<5	50	N	<20	20	20	N	15	N	700	150
ME35G	N	N	<5	<10	<5	N	N	N	<5	15	N	N	N	200	10
ME36G	N	N	15	20	150	70	30	<20	5	15	N	15	N	500	150
ME37G	N	N	<5	N	<5	N	N	<20	<5	20	N	N	N	150	20
ME38G	N	N	15	15	<5	30	N	<20	7	10	N	10	N	500	150
ME45G	N	N	15	10	<5	70	N	N	5	20	N	7	N	300	100
ME46G	N	N	15	20	7	30	N	N	10	15	N	10	N	300	150
ME49G	N	N	15	30	30	20	N	<20	15	15	N	15	N	500	200
ME2G	N	N	10	15	20	30	N	<20	5	10	N	10	N	700	100
ME26G	N	N	N	10	70	20	N	N	<5	200	N	7	N	<100	100
ME27G	N	N	10	30	10	50	N	<20	15	15	N	15	N	700	150
ME29G	N	N	10	15	<5	30	N	N	15	15	N	10	N	500	150
ME32G	N	N	30	700	10	50	N	N	300	10	N	15	N	500	200
ME33G	N	N	15	150	30	30	N	20	50	20	N	10	N	300	200
ME42G	N	N	15	15	<5	50	N	<20	10	15	N	10	N	500	150
ME50G	N	N	<5	<10	<5	20	15	20	<5	10	N	5	N	200	100
ME51G	N	N	15	15	<5	150	N	<20	10	20	N	10	N	300	150
77DT071G	N	N	30	1,500	50	20	N	N	150	15	N	30	N	700	200
77DT072G	N	N	20	300	20	N	N	N	70	30	N	30	N	700	150
77DT073G	N	N	N	1,000	5	N	N	N	100	<10	N	30	N	700	200
77DT074G	N	N	20	1,000	30	50	<5	N	150	30	N	30	N	700	200
77DT075G	N	N	N	1,000	<5	N	N	N	100	10	N	30	N	700	300
77DT076G	N	N	20	1,000	20	20	7	N	150	20	N	30	N	700	200
77DT077G	N	N	15	1,500	7	N	7	N	150	20	N	30	N	500	150
77DT078G	N	N	20	700	10	<20	N	N	100	20	N	30	N	700	200
77DT079G	N	N	20	1,000	5	20	10	N	150	20	N	30	N	700	200
77DT080G	N	N	50	1,000	70	20	<5	N	200	10	N	30	N	700	200
77DT081G	N	N	50	1,000	10	20	N	N	150	30	N	30	N	700	500
77DT083G	N	N	15	1,000	50	20	N	N	150	30	N	30	N	700	150
77DT085G	N	N	20	1,000	10	20	N	N	150	30	N	30	N	700	200
77DT086G	N	N	<5	1,000	<5	<20	5	N	70	15	N	20	N	200	100
77DT087G	N	N	30	1,000	15	20	N	N	200	20	N	30	N	500	200
77DT088G	N	N	30	1,000	10	N	10	N	300	15	N	30	N	700	300
77DT089G	N	N	30	700	7	20	N	N	150	20	N	30	N	700	200

Table 3. Geochemical data for rocks

sample	S-W	S-Y	S-ZN	S-ZR	AA-ZN-P	SI-F
ME01G	N	20	N	150	100	480
ME03G	N	30	N	200	130	1,050
ME04G	N	<10	N	70	30	230
ME05G	N	30	N	200	100	690
ME09G	N	20	N	50	40	770
ME10G	N	20	N	150	90	1,350
ME13G	N	15	N	200	60	660
ME17G	N	15	N	200	70	440
ME19G	N	15	N	200	30	880
ME24G	N	30	N	300	60	700
ME25G	N	30	N	200	90	540
ME31G	N	30	N	200	120	800
ME35G	N	N	N	10	<10	80
ME36G	70	30	N	200	30	610
ME37G	N	<10	N	50	<10	70
ME38G	N	20	N	150	30	780
ME45G	N	15	N	200	30	460
ME46G	N	15	N	200	50	1,100
ME49G	N	20	N	500	50	780
ME2G	N	20	N	200	100	330
ME26G	N	<10	300	70	250	580
ME27G	N	20	N	200	70	600
ME29G	N	20	N	200	60	880
ME32G	N	15	N	100	30	620
ME33G	N	15	N	200	40	770
ME42G	N	10	N	100	20	620
ME50G	N	10	N	70	<10	470
ME51G	N	20	N	70	30	870
77DT071G	N	20	N	100	40	--
77DT072G	N	20	N	100	40	--
77DT073G	N	20	N	100	<10	--
77DT074G	N	20	N	100	20	--
77DT075G	N	<10	N	100	<10	--
77DT076G	N	20	N	100	10	--
77DT077G	N	10	N	100	20	--
77DT078G	N	20	N	100	40	--
77DT079G	N	20	N	100	20	--
77DT080G	N	20	N	100	20	--
77DTC81G	N	20	N	150	50	--
77DTC83G	N	20	N	100	30	--
77DT085G	N	20	N	100	30	--
77DT086G	N	30	N	100	10	--
77DTC87G	N	20	N	100	40	--
77DT088G	N	<10	N	70	40	--
77DTC89G	N	20	N	100	110	--

Table 3. Geochemical data for rocks--continued

sample	LATITUDE	LONGITUD	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE
77DT093G	46 18 47	111 52 45	15.00	2.00	15.00	.700	1,500	<.5	N	N	150	300	<1.0
77DT094G	46 18 47	111 52 45	15.00	5.00	5.00	.700	500	N	N	N	>2,000	20	<1.0
77DT096G	46 18 47	111 52 45	10.00	1.50	.30	.500	700	.5	N	N	>2,000	50	<1.0
77DT097G	46 18 47	111 52 45	15.00	3.00	.70	.700	300	1.0	N	N	>2,000	<20	<1.0
77BG091G	46 22 14	111 53 21	5.00	1.50	3.00	.700	500	N	N	N	300	1,000	<1.0
77BG112G	46 15 0	111 44 39	15.00	5.00	7.00	.700	1,500	N	N	N	70	700	<1.0
77DT054G	46 18 47	111 52 45	15.00	5.00	10.00	.500	1,000	N	N	N	50	700	<1.0
77DT082G	46 18 47	111 52 45	15.00	5.00	7.00	.500	1,000	N	N	N	>2,000	700	<1.0
77DT084G	46 18 47	111 52 45	10.00	2.00	.50	.500	300	1.5	N	N	>2,000	20	<1.0
77DT091G	46 18 47	111 52 45	15.00	2.00	.10	.500	300	.7	N	N	>2,000	700	<1.0
77DT098G	46 18 47	111 52 45	15.00	3.00	1.00	.700	200	.7	N	N	>2,000	50	<1.0
77BM041G	46 21 38	111 50 9	7.00	2.00	5.00	.500	500	N	N	N	100	1,500	<1.0
77BG114G	46 29 27	111 53 39	15.00	3.00	5.00	.700	1,000	N	N	N	30	1,500	<1.0
77BG115G	46 29 5	111 43 35	10.00	3.00	7.00	.700	1,000	N	N	N	10	1,500	<1.0
77BG116G	46 29 5	111 43 35	20.00	.50	7.00	.100	1,000	5.0	7,000	N	<10	70	N
77BG117G	46 28 59	111 43 50	15.00	3.00	5.00	.500	2,000	N	N	N	10	1,000	<1.0
77BG118G	46 24 10	111 42 55	2.00	.50	3.00	.150	500	N	N	N	<10	1,500	<1.0
77BG119G	46 24 10	111 42 55	2.00	.70	2.00	.200	700	N	N	N	<10	1,500	1.0
77BG120G	46 23 16	111 43 35	2.00	.02	.05	.010	700	3,000.0	1,500	N	30	20	N
77BG121G	46 23 16	111 43 35	7.00	2.00	10.00	.500	1,000	15.0	N	N	15	300	<1.0
77BG122G	46 23 16	111 43 35	3.00	1.50	5.00	.500	500	3.0	N	N	10	1,500	1.0
77BG125G	46 23 48	111 41 54	5.00	3.00	7.00	.500	1,000	.5	N	N	<10	1,000	<1.0
77SLC71G	46 19 55	112 0 8	15.00	.70	.70	.500	>5,000	7.0	N	N	30	200	2.0
77SLC72G	46 19 55	112 0 8	7.00	.70	<.05	.500	300	15.0	N	N	30	200	2.0
77SLC74G	46 20 21	112 0 21	10.00	2.00	5.00	.500	700	N	N	N	20	1,500	1.5
77SLC75G	46 20 34	111 59 44	3.00	1.50	1.50	.500	500	N	N	N	10	700	1.5
77SLC76G	46 20 57	111 59 2	1.50	.20	1.00	.100	150	.5	N	N	10	300	2.0
77SLC77G	46 21 2	111 58 53	7.00	.30	<.05	.070	20	3.0	N	N	15	300	3.0
77SLC78G	46 21 20	111 59 35	5.00	1.00	2.00	.200	200	.5	N	N	10	1,500	2.0
77BG126G	46 23 20	111 58 14	7.00	2.00	5.00	.300	700	N	N	N	20	1,500	2.0
77BG127G	46 22 58	111 58 5	.70	.02	1.00	.150	100	N	N	N	20	150	3.0
77BG128G	46 22 45	111 58 10	.70	.02	1.00	.100	20	<.5	N	N	20	200	5.0
77BG129G	46 22 41	111 58 9	.70	.02	.70	.050	30	N	N	N	100	50	3.0
77BG130G	46 22 24	111 58 14	.70	.05	.70	.050	50	N	N	N	20	100	3.0
77EB044G	46 22 32	111 58 14	3.00	1.00	2.00	.300	500	N	N	N	20	700	1.5
77SLC51G	46 15 2	111 44 30	>20.00	.30	.20	.700	3,000	70.0	500	N	10	<20	N
77SLC52G	46 16 50	111 43 59	10.00	2.00	3.00	.700	1,000	<.5	N	N	20	1,000	2.0
77SLC53G	46 28 2	111 49 2	2.00	1.00	5.00	.300	300	N	N	N	10	100	5.0
77SLC54G	46 28 0	111 48 50	2.00	.70	2.00	.200	150	N	N	N	10	3,000	2.0
77SLC55G	46 28 1	111 48 42	7.00	1.00	3.00	.500	200	.5	N	N	10	3,000	5.0
77SLC57G	46 28 1	111 48 51	3.00	.70	.10	.200	70	.5	N	N	<10	1,000	<1.0
77SLC58G	46 28 5	111 48 46	2.00	.30	1.00	.150	200	N	N	N	10	5,000	2.0
77SLC59G	46 28 5	111 48 38	5.00	.50	.70	.500	200	N	N	N	30	1,500	3.0
77SLC60G	46 28 6	111 48 30	3.00	.70	1.50	.300	150	N	N	N	10	2,000	1.0
77SLC61G	46 8 9	111 48 23	3.00	.70	3.00	.300	300	N	N	N	10	2,000	2.0

Table 3. Geochemical data for rocks--continued

sample	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V
77DT093G	N	N	70	100	5	70	N	N	15	50	N	20	N	1,500	300
77DT094G	N	N	50	2,000	30	50	N	N	200	20	N	30	N	1,500	500
77DT096G	N	N	7	1,500	20	50	15	N	100	<10	N	20	N	300	150
77DT097G	N	N	N	1,500	7	N	7	N	150	20	N	30	N	700	300
77BG091G	N	N	10	50	20	50	N	N	10	30	N	15	N	700	150
77BG112G	N	N	50	1,000	10	20	N	N	200	30	N	30	N	1,000	200
77DT054G	N	N	50	1,000	10	<20	N	N	200	30	N	30	N	1,000	300
77DT082G	N	N	20	1,000	15	20	N	N	150	20	N	30	N	1,000	300
77DT084G	N	N	5	500	7	N	5	N	100	10	N	15	N	500	150
77DT091G	N	N	20	700	7	70	7	N	150	20	N	15	N	150	150
77DT098G	N	N	<5	1,000	5	30	7	N	150	20	N	30	N	1,000	300
77WM041G	N	N	10	50	<5	20	N	N	15	20	N	10	N	1,000	150
77BG114G	N	N	20	100	30	30	N	N	30	30	N	20	N	1,000	200
77BG115G	N	N	20	70	50	20	N	N	20	30	N	20	N	1,000	200
77BG116G	N	N	300	15	700	<20	5	N	20	100	N	10	N	100	150
77BG117G	N	N	15	20	20	20	N	N	5	20	N	20	N	700	200
77BG118G	N	N	N	<10	<5	20	N	N	<5	10	N	<5	N	1,000	70
77BG119G	N	N	<5	<10	<5	50	<5	N	<5	30	N	5	N	1,000	70
77BG120G	>1,000	N	<5	<10	2,000	N	150	N	10	20,000	300	N	N	N	20
77BG121G	50	N	20	200	20	<20	<5	N	50	150	N	20	N	1,500	200
77BG122G	10	N	10	30	10	30	N	N	10	50	N	10	N	1,000	100
77BG125G	N	N	15	30	<5	20	N	N	5	15	N	15	N	700	200
77SL071G	N	100	15	10	150	70	15	N	15	1,000	N	10	N	N	100
77SL072G	<10	N	<5	15	200	50	10	N	5	5,000	N	10	<10	N	150
77SL074G	N	N	15	20	20	70	N	N	15	50	N	15	N	1,000	150
77SL075G	N	N	10	10	30	50	N	N	10	50	N	7	N	500	100
77SL076G	N	N	<5	<10	50	20	15	N	5	30	N	<5	N	200	50
77SL077G	<10	N	N	<10	700	30	500	N	5	<10	N	<5	15	N	30
77SL078G	N	N	30	<10	700	30	15	N	15	20	N	5	N	1,000	70
77BG126G	N	N	15	20	15	50	N	N	15	30	N	15	N	1,000	150
77BG127G	N	N	N	<10	N	20	N	<20	5	30	N	N	N	100	<10
77BG128G	N	N	N	<10	7	20	N	<20	5	30	N	N	N	150	<10
77BG129G	N	N	N	<10	N	<20	N	<20	5	50	N	N	N	N	<10
77BG130G	N	N	N	<10	N	70	N	20	<5	50	N	N	N	N	<10
77EB044G	N	N	10	15	10	20	N	N	10	50	N	10	N	700	100
77SL051G	N	N	150	300	5,000	N	7	N	10	30	N	7	N	N	70
77SL052G	N	N	20	200	50	70	N	<20	70	50	N	15	N	700	200
77SL053G	N	N	N	<10	<5	20	N	<20	5	20	N	7	<10	700	70
77SL054G	N	N	N	<10	50	30	N	N	5	20	N	5	N	1,000	70
77SL055G	N	N	N	10	70	100	10	20	<5	20	N	5	N	1,500	100
77SL057G	>1,000	N	10	10	10	50	N	N	5	50	N	N	10	500	100
77SL058G	<10	N	<5	<10	10	30	20	<20	5	20	N	<5	N	1,000	50
77SL059G	N	N	5	10	70	70	30	<20	5	10	N	<5	N	1,000	70
77SL060G	N	N	5	<10	30	20	N	<20	5	30	N	<5	N	1,000	70
77SL061G	N	N	5	<10	5	20	15	<20	5	30	N	<5	N	1,000	50

Table 3. Geochemical data for rocks--continued

sample	S-W	S-Y	S-ZN	S-ZR	AA-ZN-P	SI-F
77DT093G	N	30	N	100	40	--
77DT094G	N	30	N	150	20	--
77DT096G	N	15	N	100	20	--
77DT097G	N	<10	N	100	20	--
77BG091G	N	20	N	200	70	--
77BG112G	N	20	N	100	20	--
77DT054G	N	20	N	100	50	--
77DT082G	N	20	N	100	20	--
77DT084G	N	15	N	100	10	--
77DT091G	N	<10	N	100	100	--
77DT096G	N	15	N	150	10	--
77WM041G	N	15	N	100	30	--
77BG114G	N	20	N	150	60	--
77BG115G	N	20	N	100	60	--
77BG116G	N	15	2,000	10	800	--
77BG117G	N	20	N	100	70	--
77BG118G	N	10	N	70	20	--
77BG119G	N	20	N	200	50	--
77BG120G	N	N	1,500	N	1,000	--
77BG121G	N	20	N	70	70	--
77BG122G	N	20	N	150	60	--
77BG125G	N	20	N	150	60	--
77SL071G	N	20	7,000	150	5,800	--
77SL072G	<50	15	700	100	440	--
77SL074G	N	20	N	150	60	--
77SL075G	N	20	N	30	50	--
77SL076G	N	10	N	70	20	--
77SL077G	<50	30	N	50	10	620
77SL078G	N	30	N	100	130	--
77BG126G	N	20	N	100	40	--
77BG127G	N	15	N	50	10	--
77BG128G	N	N	N	20	20	--
77BG129G	N	10	N	70	10	--
77BG130G	N	30	N	70	<10	--
77EB044G	N	15	N	100	20	--
77SL051G	70	N	N	300	80	--
77SL052G	N	30	N	200	40	--
77SL053G	N	10	N	100	20	--
77SL054G	N	<10	N	70	10	--
77SL055G	100	15	N	300	20	--
77SL057G	N	20	N	150	10	1,100
77SL058G	<50	N	N	150	<10	490
77SL059G	<50	10	N	200	40	--
77SL060G	N	10	N	70	20	--
77SL061G	N	10	N	150	30	--

Table 3. Geochemical data for rocks--continued

sample	LATITUDE	LONGITUD	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE
77SL062G	46 28 13	111 48 21	3.00	1.50	3.00	.500	500	N	N	N	10	3,000	3.0
77SL063G	46 28 15	111 48 25	3.00	1.00	2.00	.500	500	N	N	N	15	3,000	2.0
77SL064G	46 28 18	111 48 33	2.00	.50	2.00	.200	150	N	N	N	10	2,000	1.5
77SL065G	46 28 19	111 48 38	3.00	.70	2.00	.300	150	N	N	N	10	2,000	3.0
77SL066G	46 28 22	111 48 28	5.00	1.00	3.00	.300	700	N	N	N	10	2,000	3.0
77SL067G	46 28 23	111 48 23	10.00	1.50	5.00	.500	1,000	N	N	N	10	2,000	1.5
77SL068G	46 28 29	111 48 38	3.00	1.00	3.00	.300	300	N	N	N	10	2,000	2.0
77SL069G	46 28 32	111 49 10	5.00	.50	1.50	.500	150	<.5	N	N	30	>5,000	3.0
77SL072G	46 23 17	111 55 13	7.00	2.00	5.00	.700	1,000	N	N	N	20	1,500	1.0
77WM090G	46 20 4	112 0 15	5.00	1.50	.30	.700	>5,000	10.0	700	N	30	300	3.0
77WM091G	46 19 54	112 0 0	15.00	.50	<.05	.500	700	20.0	500	N	30	150	1.5
77WM092G	46 19 54	112 0 0	10.00	.30	.07	.300	300	20.0	500	N	50	150	2.0
77SL093G	46 19 54	112 0 0	10.00	.20	<.05	.500	300	150.0	1,500	15	50	150	1.5
77SL095G	46 21 3	111 58 54	7.00	.70	N	.100	100	.7	N	N	20	200	2.0
77SL063G	46 21 6	111 50 14	7.00	.70	<.05	.500	150	7.0	N	N	70	1,500	1.0
77SL097G	46 21 12	111 50 48	10.00	2.00	7.00	.700	1,500	N	N	N	15	1,500	<1.0
77SL076G	46 20 35	111 52 59	2.00	.50	2.00	.700	700	N	N	N	10	1,500	1.5
77SL088G	46 18 46	111 53 20	15.00	5.00	10.00	1.000	2,000	N	N	N	<10	700	<1.0
77SL056G	46 28 1	111 48 51	1.00	1.00	3.00	.300	200	1.0	N	N	10	300	3.0
77WM098G	46 21 25	111 58 50	2.00	.70	2.00	.200	500	.7	N	N	10	300	1.0
77WM099G	46 21 17	111 58 32	1.00	.20	1.00	.150	150	1.0	N	N	10	300	2.0
77WM101G	46 20 48	111 57 52	10.00	1.50	3.00	.500	1,000	N	N	N	20	1,000	1.5
77WM103G	46 20 45	111 58 19	5.00	1.00	1.50	.300	500	.5	N	N	10	500	3.0
77SL001G	46 18 35	111 40 9	10.00	.70	.50	.300	200	2.0	N	N	30	1,000	N
77SL004G	46 18 38	111 44 17	5.00	1.50	5.00	.700	1,000	<.5	N	N	20	2,000	2.0
77SL026G	46 28 22	111 54 17	10.00	2.00	5.00	.700	1,000	N	N	N	20	1,500	1.0
77SL027G	46 28 28	111 54 47	2.00	.10	.20	.050	300	N	N	N	15	<20	15.0
77SL028G	46 28 19	111 54 47	15.00	.50	.05	.500	200	70.0	1,000	N	100	1,000	1.0
77SL029G	46 25 46	111 55 36	3.00	1.00	2.00	.500	500	<.5	N	N	15	1,000	1.0
77SL030G	46 25 31	111 55 54	1.00	.30	2.00	.030	1,000	N	300	N	30	50	20.0
77LA022G	46 15 3	111 57 39	10.00	2.00	5.00	1.000	1,000	N	N	N	20	1,500	1.0
77LA023G	46 15 6	111 57 34	1.00	.20	.50	.300	150	<.5	N	N	100	2,000	1.0
77LA024G	46 15 7	111 57 28	3.00	1.00	5.00	.700	700	N	N	N	10	2,000	1.5
77LA025G	46 15 14	111 57 5	.50	1.00	>20.00	.050	200	N	N	N	N	100	N
77LA026G	46 15 21	111 56 59	7.00	2.00	10.00	.700	700	.7	N	N	10	2,000	1.0
77LA027G	46 15 24	111 56 54	2.00	.30	1.00	.200	200	<.5	N	N	50	2,000	1.0
77LA028G	46 15 28	111 56 52	3.00	.50	2.00	.200	700	<.5	N	N	20	2,000	1.0
77LA029G	46 15 29	111 56 48	1.50	2.00	3.00	.500	150	3.0	N	N	200	2,000	<1.0
77LA030G	46 15 42	111 56 41	15.00	3.00	.05	.700	200	N	N	N	500	700	1.5
77LA031G	46 15 42	111 56 41	15.00	3.00	.05	.700	200	N	N	N	700	1,000	2.0
77LA032G	46 15 43	111 56 35	10.00	3.00	1.00	.700	500	N	N	N	500	1,000	1.5
77LA033G	46 15 33	111 56 21	.30	>10.00	>20.00	.070	100	N	N	N	N	20	N
77LA034G	46 15 37	111 56 8	15.00	3.00	1.00	1.000	1,500	N	N	N	100	1,000	2.0
77LA035G	46 16 5	111 56 3	.70	.70	>20.00	.100	700	N	N	N	10	30	N
77LA036G	46 16 5	111 55 35	.15	>10.00	>20.00	.020	200	N	N	N	N	N	N

Table 3. Geochemical data for rocks--continued

sample	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V
77SL062G	N	N	5	<10	<5	50	N	<20	<5	30	N	5	N	1,500	50
77SL063G	N	N	5	10	30	50	N	20	5	30	N	5	N	1,500	50
77SL064G	N	N	N	<10	<5	20	20	<20	<5	30	N	<5	N	700	50
77SL065G	N	N	N	<10	15	30	5	<20	<5	30	N	5	N	1,000	70
77SL066G	N	N	5	<10	<5	50	N	<20	5	30	N	7	N	1,500	70
77SL067G	N	N	7	10	10	70	N	<20	7	20	N	10	N	1,500	150
77SL068G	N	N	5	<10	20	20	N	<20	5	20	N	<5	N	1,000	70
77SL069G	10	N	<5	<10	50	70	20	20	<5	50	N	<5	N	1,000	70
77SL070G	N	N	15	20	5	50	N	<20	15	30	N	15	N	700	150
77WM090G	N	50	15	20	150	50	30	<20	15	1,500	N	15	N	200	150
77WM091G	N	20	10	10	200	30	10	<20	5	20,000	N	10	N	N	70
77WM092G	N	300	15	10	2,000	20	7	N	10	1,500	N	7	N	N	70
77SL093G	N	500	15	10	20,000	50	7	<20	7	3,000	N	10	<10	N	70
77SL095G	N	N	<5	<10	500	50	50	<20	<5	50	N	<5	20	N	70
77SL063G	10	N	10	15	100	50	5	N	5	3,000	N	10	N	N	100
77SL067G	N	N	15	30	20	50	N	N	15	50	N	15	N	1,000	200
77SL076G	N	N	<5	30	<5	50	N	<20	<5	50	N	10	N	500	70
77SL086G	N	N	70	1,000	50	20	N	N	70	<10	N	50	N	1,000	500
77SL056G	30	N	N	<10	1,500	30	20	<20	5	10	N	5	N	1,000	70
77WM098G	N	N	5	15	100	50	N	<20	5	100	N	7	N	200	70
77WM099G	N	N	N	<10	150	<20	7	<20	<5	70	N	N	N	200	20
77WM101G	N	N	15	20	10	50	N	<20	10	30	N	15	N	700	150
77WM103G	N	N	<5	30	200	20	5	<20	5	30	N	5	N	300	70
77SL001G	N	N	5	15	700	20	15	N	10	10	N	7	N	300	150
77SL004G	N	N	7	30	20	70	N	<20	7	50	N	15	N	1,000	100
77SL026G	N	N	20	50	50	30	N	<20	20	30	N	20	N	700	200
77SL027G	N	N	N	<10	N	30	N	150	5	100	N	N	15	N	N
77SL028G	20	N	20	20	200	20	20	N	5	200	N	15	N	<100	150
77SL029G	N	N	10	15	N	50	N	N	7	20	N	5	N	500	100
77SL030G	N	N	N	<10	N	20	N	70	5	150	N	N	30	N	N
77LA022G	N	N	20	30	30	30	N	N	10	10	N	20	N	700	200
77LA023G	N	N	<5	<10	<5	30	N	<20	<5	50	N	5	N	500	20
77LA024G	N	N	5	15	10	50	N	N	<5	50	N	15	<10	1,000	100
77LA025G	N	N	N	10	<5	N	N	N	<5	N	N	N	N	500	10
77LA026G	N	N	15	150	15	70	N	<20	50	70	N	20	N	700	150
77LA027G	N	N	<5	15	20	N	N	<20	7	30	N	<5	N	700	70
77LA028G	N	N	<5	15	<5	N	N	<20	10	70	N	<5	N	1,500	70
77LA029G	N	N	<5	20	300	20	30	<20	7	30	N	<5	N	500	150
77LA030G	N	N	20	200	50	50	N	<20	70	20	N	20	N	<100	200
77LA031G	N	N	30	300	50	70	N	<20	70	30	N	20	N	<100	200
77LA032G	N	N	20	200	20	100	N	<20	70	30	N	20	N	150	200
77LA033G	N	N	N	10	<5	N	N	N	<5	N	N	N	N	200	20
77LA034G	N	N	20	300	20	50	N	<20	70	15	N	30	N	100	500
77LA035G	N	N	<5	<10	20	N	N	N	<5	<10	N	N	N	700	70
77LA036G	N	N	N	15	N	N	N	N	<5	N	N	N	N	300	20

Table 3. Geochemical data for rocks--continued

sample	S-W	S-Y	S-ZN	S-ZR	AA-ZN-P	SI-F
77SL062G	N	10	N	200	30	--
77SL063G	N	10	N	150	40	--
77SL064G	N	N	N	100	20	--
77SL065G	N	N	N	100	10	--
77SL066G	N	10	N	100	30	--
77SL067G	N	20	N	70	20	--
77SL068G	N	<10	N	70	10	--
77SL069G	N	15	N	200	30	--
77SL070G	<50	30	N	100	50	--
77AM090G	<50	50	7,000	200	3,000	--
77AM091G	<50	15	700	300	310	--
77AM092G	<50	20	>10,000	100	15,000	--
77SL093G	<50	30	>10,000	200	55,000	--
77SL095G	<50	<10	N	70	50	--
77SL053G	N	10	N	150	40	--
77SL067G	N	50	N	150	120	--
77SL076G	N	30	N	300	50	--
77SL088G	N	30	N	100	40	--
77SL056G	N	15	N	100	20	--
77AM098G	N	20	N	100	50	--
77AM099G	N	15	N	70	10	--
77AM101G	N	30	N	100	50	--
77AM103G	N	15	N	70	70	--
77SL001G	N	<10	N	150	30	--
77SL004G	N	30	N	300	40	860
77SL026G	N	30	N	200	30	--
77SL027G	N	100	N	200	40	--
77SL028G	70	10	1,000	100	400	--
77SL029G	N	20	N	200	20	490
77SL030G	N	100	N	200	50	5,700
77LA022G	N	20	N	300	60	--
77LA023G	N	20	N	200	20	--
77LA024G	N	30	N	300	40	--
77LA025G	N	N	N	10	10	--
77LA026G	N	30	N	300	30	--
77LA027G	N	<10	N	100	<10	--
77LA028G	N	10	N	70	60	--
77LA029G	N	30	N	100	50	--
77LA030G	N	30	N	150	110	--
77LA031G	N	30	N	150	60	--
77LA032G	N	50	N	150	50	--
77LA033G	N	N	N	10	<10	--
77LA034G	N	30	N	200	70	--
77LA035G	N	<10	N	70	<10	--
77LA036G	N	N	N	N	40	--

Table 3. Geochemical data for rocks--continued

sample	LATITUDE	LONGITUD	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE
77LA037G	46 16 4	111 55 14	1.50	7.00	15.00	.500	1,000	N	N	N	10	700	N
77SL031G	46 28 18	111 49 2	.50	.03	.05	.010	10	<.5	N	N	10	300	N
77SL032G	46 28 18	111 49 2	1.00	.50	1.00	.200	100	N	N	N	10	2,000	2.0
77SL034G	46 28 14	111 49 13	1.00	.70	.70	.300	500	.5	N	N	70	700	5.0
77[illegible]049G	46 17 53	111 43 59	10.00	2.00	3.00	.700	700	N	N	N	15	2,000	1.0
77[illegible]050G	46 17 56	111 44 8	5.00	1.50	3.00	.700	1,000	N	N	N	20	2,000	2.0
77[illegible]051G	46 17 56	111 44 8	2.00	.30	2.00	.500	300	N	N	N	10	3,000	3.0
77[illegible]052G	46 17 53	111 44 9	2.00	.20	1.50	.500	300	N	N	N	20	3,000	3.0
77[illegible]053G	46 17 53	111 44 9	3.00	.20	2.00	.700	300	N	N	N	15	3,000	3.0
77[illegible]054G	46 18 5	111 44 21	7.00	1.50	5.00	1.000	1,000	N	N	N	10	3,000	1.0
77[illegible]056G	46 18 11	111 44 9	5.00	5.00	7.00	.500	500	<.5	N	N	100	1,500	1.5
77[illegible]059G	46 18 11	111 44 9	.70	.05	.70	.030	100	<.5	N	N	50	50	3.0
77[illegible]018G	46 18 42	112 1 32	.70	.07	1.00	.150	70	N	N	N	30	100	3.0
77[illegible]019G	46 18 39	112 1 32	1.00	.05	1.00	.100	70	N	N	N	20	150	2.0
77[illegible]021G	46 18 56	111 58 41	7.00	2.00	5.00	.500	700	N	N	N	30	1,000	<1.0
77[illegible]015G	46 18 38	112 1 32	5.00	2.00	5.00	.500	1,000	N	N	N	15	1,500	1.0
77DTC020G	46 18 45	112 0 24	3.00	2.00	3.00	.500	1,000	N	N	N	20	1,000	1.0
77[illegible]001G	46 25 40	111 57 2	1.50	.20	.20	.050	700	.5	N	N	30	150	20.0
77GG015G	46 15 3	111 57 39	7.00	3.00	7.00	.700	1,000	N	N	N	20	1,500	<1.0
77GC016G	46 15 6	111 57 34	10.00	3.00	7.00	.700	1,500	N	N	N	50	1,500	<1.0
77GG017G	46 15 7	111 57 28	5.00	2.00	5.00	.700	1,000	N	N	N	20	1,500	1.0
77GC018G	46 15 14	111 57 5	.30	1.00	>20.00	N	100	N	N	N	N	N	N
77GG019G	46 15 21	111 56 59	5.00	3.00	20.00	1.000	700	.5	N	N	10	1,500	1.0
77GG020G	46 15 24	111 56 54	1.50	.30	.70	.200	150	<.5	N	N	70	1,500	1.0
77GG021G	46 15 24	111 56 54	2.00	.30	.70	.200	200	.5	N	N	100	1,500	<1.0
77GG022G	46 15 28	111 56 52	2.00	.50	2.00	.200	700	.5	N	N	15	3,000	1.5
77GG023G	46 15 29	111 56 48	1.00	1.00	1.00	.200	30	5.0	N	N	150	2,000	N
77GC025G	46 15 43	111 56 35	10.00	2.00	.20	.700	500	N	N	N	300	1,000	<1.0
77GG026G	46 15 33	111 56 21	.70	>10.00	>20.00	.050	150	N	N	N	10	50	N
77GG027G	46 15 57	111 56 8	10.00	3.00	2.00	.700	2,000	N	N	N	100	700	2.0
77GG028G	46 16 5	111 56 3	1.00	.50	>20.00	.100	700	<.5	N	N	20	30	N
77GG029G	46 16 5	111 55 35	.10	10.00	>20.00	.010	100	N	N	N	N	N	N
77[illegible]030G	46 16 4	111 55 14	2.00	5.00	10.00	.100	700	.7	N	N	15	700	N
77GG031G	46 16 4	111 55 14	1.50	7.00	10.00	.070	700	.7	N	N	15	700	N
77GG032G	46 15 51	111 55 24	2.00	.10	.10	.100	70	<.5	N	N	20	300	1.0
77GG033G	46 16 5	111 55 4	.20	.70	2.00	.100	100	1.0	N	N	50	700	N
77GG034G	46 16 8	111 55 5	.20	.50	3.00	.050	200	N	N	N	20	100	N
77GG035G	46 16 5	111 54 55	3.00	2.00	20.00	.700	2,000	N	N	N	150	1,500	1.0
77GG036G	46 16 4	111 54 50	.20	.07	.50	.200	50	1.0	N	N	20	700	N
77GG037G	46 16 5	111 54 39	2.00	.30	.20	1.000	70	.5	N	N	300	1,000	N
77GG040G	46 16 19	111 53 23	10.00	3.00	5.00	.700	3,000	N	N	N	15	1,500	N
77GG041G	46 16 19	111 53 23	10.00	3.00	5.00	.700	3,000	N	N	N	20	1,500	<1.0
77GG042G	46 16 27	111 52 54	10.00	5.00	3.00	.700	1,000	N	N	N	20	1,500	<1.0
77GG043G	46 16 41	111 52 30	10.00	7.00	7.00	.700	1,500	N	N	N	20	1,500	<1.0
77GG044G	46 17 12	111 52 40	5.00	1.50	5.00	.700	1,000	<.5	N	N	20	1,500	1.5

Table 3. Geochemical data for rocks--continued

sample	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V
77LA037G	N	N	5	30	10	N	N	N	50	50	N	N	N	<100	30
77SL031G	N	N	N	N	10	N	10	N	<5	N	N	N	N	N	N
77SL032G	N	N	N	<10	30	20	20	<20	<5	20	N	<5	N	1,000	30
77SL034G	50	N	<5	<10	700	100	N	<20	5	N	N	5	N	1,000	50
77BG049G	N	N	20	15	30	100	N	30	5	30	N	20	N	700	200
77BG050G	N	N	10	<10	<5	100	5	30	<5	50	N	15	N	700	70
77BG051G	N	N	5	<10	<5	150	7	30	<5	50	N	7	N	300	20
77BG052G	N	N	<5	<10	<5	150	5	30	<5	70	N	5	N	300	15
77BG053G	N	N	7	<10	5	150	5	30	<5	50	N	10	N	700	30
77BG054G	N	N	15	<10	7	150	N	20	<5	50	N	15	N	1,000	100
77BG056G	N	N	15	70	15	50	N	<20	30	50	N	15	N	200	150
77BG057G	N	N	<5	<10	N	20	N	<20	<5	30	N	N	N	<100	<10
77BG018G	N	N	N	N	N	N	N	<20	<5	15	N	N	N	N	10
77BG019G	N	N	N	15	N	<20	N	<20	5	50	N	N	N	<100	10
77BG021G	N	N	20	70	50	20	N	<20	20	30	N	15	N	700	300
77BG018G	N	N	15	30	70	20	N	N	15	30	N	15	N	700	200
77BG020G	N	N	15	20	10	20	N	<20	10	30	N	10	N	500	150
77BG001G	N	N	<5	N	<5	20	N	100	<5	100	N	N	30	N	<10
77BG015G	N	N	20	50	30	30	<5	<20	10	30	N	20	N	700	300
77BG016G	N	N	30	70	15	20	5	N	15	70	N	20	N	500	300
77BG017G	N	N	15	50	15	30	N	<20	7	70	N	15	N	700	200
77BG018G	N	N	N	N	N	N	N	N	N	N	N	N	N	500	N
77BG019G	N	N	15	200	30	70	N	N	50	30	N	15	N	700	150
77BG020G	N	N	N	10	10	N	N	N	5	50	N	<5	N	300	50
77BG021G	N	N	<5	15	30	<20	N	N	5	30	N	<5	N	500	70
77BG022G	N	N	<5	10	<5	N	N	<20	7	100	N	<5	N	2,000	50
77BG023G	<10	N	N	10	700	N	N	N	5	50	N	<5	N	500	100
77BG025G	N	N	15	200	30	100	N	<20	70	30	N	20	N	<100	200
77BG026G	N	N	N	15	<5	N	N	N	N	N	N	N	N	200	30
77BG027G	N	N	30	200	30	50	N	<20	70	10	N	30	N	150	200
77BG028G	N	N	N	15	15	N	N	N	N	N	N	N	N	500	100
77BG029G	N	N	N	20	N	N	N	N	N	N	N	N	N	300	20
77BG030G	N	N	15	30	5	N	N	N	20	100	N	N	N	<100	50
77BG031G	N	N	7	20	5	N	N	N	20	150	N	<5	N	100	70
77BG032G	N	N	7	30	5	N	N	N	20	N	N	N	N	N	70
77BG033G	N	N	N	150	10	50	N	N	10	N	N	N	N	<100	50
77BG034G	N	N	N	70	10	50	N	N	20	10	N	N	N	N	30
77BG035G	N	N	15	100	20	50	N	<20	30	30	N	10	N	300	100
77BG036G	N	N	N	100	7	20	N	N	10	20	N	5	N	100	150
77BG037G	N	N	<5	100	30	20	N	30	50	N	N	10	N	<100	200
77BG040G	N	N	50	100	<5	50	N	N	20	20	N	20	N	1,000	300
77BG041G	N	N	30	70	<5	50	N	<20	15	20	N	30	N	1,500	200
77BG042G	N	N	50	1,000	50	30	N	N	200	20	N	30	N	1,000	300
77BG043G	N	N	70	1,000	70	20	N	N	200	20	N	30	N	1,000	500
77BG044G	N	N	10	70	50	50	N	N	20	30	N	15	N	700	150

Table 3. Geochemical data for rocks--continued

sample	S-W	S-Y	S-ZN	S-ZR	AA-ZN-P	SI-F
77LA037G	N	N	N	50	<10	--
77SL031G	N	N	N	N	<10	--
77SL032G	N	N	N	150	10	--
77SL034G	N	20	N	100	10	1,200
77BG049G	N	30	N	500	100	--
77BG050G	N	50	N	700	20	--
77BG051G	N	50	N	1,000	60	--
77BG052G	N	30	N	700	50	--
77BG053G	N	50	N	700	60	--
77BG054G	N	50	N	700	80	--
77BG056G	N	30	N	200	120	--
77BG057G	N	15	N	10	60	--
77BG015G	N	N	N	50	<10	--
77BG016G	N	<10	N	70	<10	--
77BG021G	N	30	N	150	40	--
77BT018G	N	20	N	150	50	--
77BT022G	N	20	N	150	40	--
77BG011G	N	70	<200	200	40	--
77BG015G	N	30	N	200	60	--
77BG016G	N	30	N	200	80	--
77BG017G	N	30	N	200	40	--
77BG018G	N	N	N	N	10	--
77BG019G	N	30	N	300	40	--
77BG020G	N	<10	N	70	<10	--
77BG021G	N	<10	N	100	10	--
77BG022G	N	10	N	100	50	--
77BG023G	N	20	N	100	60	--
77BG025G	N	30	N	200	50	--
77BG026G	N	N	N	20	<10	--
77BG027G	N	30	N	150	70	--
77BG028G	N	<10	N	50	10	--
77BG029G	N	N	N	N	50	--
77BG030G	N	<10	N	70	10	--
77BG031G	N	<10	N	70	10	--
77BG032G	N	10	N	70	40	--
77BG033G	N	50	N	100	30	--
77BG034G	N	50	N	50	<10	--
77BG035G	N	50	N	300	60	--
77BG036G	N	<10	N	100	<10	--
77BG037G	N	30	N	1,000	20	--
77BG040G	N	50	N	200	170	--
77BG041G	N	50	N	200	180	--
77BG042G	N	30	N	200	100	--
77BG043G	N	30	N	200	90	--
77BG044G	N	20	N	200	70	--

Table 3. Geochemical data for rocks--continued

sample	LATITUDE	LONGITUD	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE
77SG045G	46 17 14	111 52 45	10.00	3.00	7.00	.700	700	N	N	N	20	1,500	<1.0
77SG246G	46 17 26	111 53 14	5.00	1.00	.50	.700	150	2.0	3,000	N	>2,000	1,500	<1.0
77SG048G	46 17 26	111 53 14	10.00	1.50	.30	.500	1,000	30.0	>10,000	N	>2,000	300	<1.0
77SL035G	46 28 14	111 49 5	.70	.70	1.00	.150	200	1.0	300	N	50	300	3.0
77SL036G	46 25 31	111 53 59	.50	.02	<.05	.100	50	20.0	1,500	N	20	100	5.0
77SL037G	46 25 31	111 53 59	10.00	.30	.05	.150	1,000	10.0	200	N	100	500	5.0
77SL038G	46 25 31	111 53 59	1.50	.10	.05	.020	700	3.0	N	N	70	150	3.0
77EG029G	46 15 51	111 55 24	.30	.03	1.00	.050	20	1.0	N	N	70	200	N
77EG029G	46 16 5	111 55 4	1.50	.05	<.05	.100	50	.5	N	N	30	200	N
77EG030G	46 16 6	111 55 5	.50	1.00	3.00	.070	300	.5	N	N	10	70	N
77EG031G	46 16 8	111 55 5	.50	1.00	5.00	.050	300	.7	N	N	20	100	N
77EG032G	46 16 5	111 54 55	3.00	2.00	10.00	.500	1,000	<.5	N	N	100	1,000	1.0
77EG033G	46 16 4	111 54 50	.20	.05	.50	.200	20	1.0	N	N	20	700	N
77EG034G	46 16 5	111 54 39	2.00	.20	.30	1.000	50	.5	N	N	200	700	N
77EG035G	46 16 4	111 54 24	10.00	1.00	.50	1.000	1,500	<.5	N	N	150	700	2.0
77EG036G	46 16 5	111 54 10	10.00	2.00	5.00	.700	1,000	N	N	N	15	1,000	<1.0
77EG037G	46 16 19	111 53 23	10.00	2.00	5.00	.700	2,000	N	N	N	20	1,500	1.0
77EG038G	46 16 27	111 52 54	10.00	5.00	3.00	.700	1,000	N	N	N	<10	1,500	<1.0
77EG039G	46 16 41	111 52 30	10.00	7.00	7.00	.700	1,500	N	N	N	<10	1,500	<1.0
77EG040G	46 17 12	111 52 40	5.00	2.00	5.00	.500	1,000	N	N	N	30	1,500	1.0
77EG041G	46 17 12	111 52 40	5.00	2.00	5.00	.700	1,000	N	N	N	20	1,500	1.5
77EG042G	46 17 14	111 52 45	10.00	3.00	5.00	.500	1,000	N	N	N	30	1,500	1.0
77EG043G	46 17 26	111 53 14	7.00	2.00	.50	.500	500	30.0	1,000	N	>2,000	1,500	2.0
77SL039G	46 25 58	111 53 26	5.00	.70	.10	.500	>5,000	15.0	700	N	150	300	2.0
77SL040G	46 25 58	111 53 26	2.00	.10	.07	.070	700	5.0	300	N	20	50	N
77SL041G	46 25 58	111 53 26	7.00	.15	.05	.150	1,000	50.0	3,000	N	100	100	1.0
77SL042G	46 25 58	111 53 26	7.00	1.50	2.00	.500	>5,000	10.0	N	N	150	150	2.0
77SL043G	46 25 37	111 53 29	5.00	1.50	3.00	.300	700	<.5	N	N	50	700	<1.0
77SL044G	46 26 3	111 53 25	5.00	1.50	3.00	.300	700	N	N	N	30	1,000	N
77EG024G	46 15 42	111 56 41	10.00	2.00	<.05	.500	200	N	N	N	300	700	N
77EG038G	46 16 4	111 54 24	10.00	1.50	.70	.700	1,500	1.0	N	N	200	700	<1.0
77EG039G	46 16 5	111 54 10	10.00	3.00	7.00	.700	1,000	N	N	N	20	1,500	<1.0
77SL206G	46 25 59	111 53 59	.70	.05	.10	.015	300	N	N	N	20	30	5.0
77SL207G	46 25 59	111 53 59	.50	<.02	.05	.015	300	N	N	N	15	<20	7.0
77SL208G	46 25 59	111 53 59	.70	<.02	.05	.015	300	N	N	N	15	70	7.0
77SL209G	46 25 59	111 53 59	.70	<.02	<.05	.007	300	N	N	N	10	50	2.0
77SL210G	46 25 59	111 53 59	.70	<.02	<.05	.010	300	N	N	N	15	20	5.0
77SL211G	46 25 59	111 53 59	.70	<.02	.07	.015	300	N	N	N	20	150	7.0
77SL212G	46 25 59	111 53 59	.70	<.02	.07	.015	500	N	N	N	10	100	5.0
77SL213G	46 25 59	111 53 59	.70	<.02	.07	.015	300	N	N	N	10	30	7.0
77SL214G	46 25 59	111 53 59	.70	<.02	.10	.015	500	N	N	N	10	150	7.0
77SL215G	46 25 59	111 53 59	.70	<.02	.05	.015	300	N	N	N	10	<20	7.0
77SL216G	46 25 59	111 53 59	.50	<.02	.07	.015	500	N	N	N	10	20	7.0
77WC032G	46 22 28	111 49 37	.50	<.02	.10	.050	150	<.5	N	N	10	150	7.0
77WC031G	46 26 44	111 55 53	5.00	1.00	5.00	.500	1,000	N	N	N	10	1,000	1.0

Table 3. Geochemical data for rocks--continued

sample	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V
77BG045G	N	N	20	500	100	20	N	N	100	15	N	20	N	700	200
77BG046G	N	N	20	300	50	20	N	N	30	70	N	15	<10	300	150
77BG047G	N	200	20	700	200	20	N	N	150	7,000	N	15	N	100	150
77SL035G	N	N	<5	10	1,500	70	7	N	<5	20	N	<5	N	1,000	70
77SL036G	N	N	N	10	15	<20	N	100	<5	500	200	N	50	N	N
77SL037G	N	N	<5	15	50	30	N	50	<5	5,000	N	5	20	<100	50
77SL038G	N	N	N	<10	5	N	N	100	<5	200	N	N	N	N	N
77EB028G	N	N	N	150	5	50	5	N	10	N	N	N	N	<100	30
77EB029G	N	N	7	30	5	20	<5	N	20	N	N	<5	N	<100	100
77EB030G	N	N	N	200	15	50	N	N	20	15	N	N	N	<100	50
77EB031G	N	N	N	100	15	50	5	N	20	30	N	N	N	<100	30
77EB032G	N	N	10	70	20	30	N	N	30	20	N	10	N	300	150
77EB033G	N	N	N	100	10	30	10	N	5	10	N	5	N	150	200
77EB034G	N	N	N	100	30	<20	N	20	20	N	N	10	N	100	200
77EB035G	N	N	20	150	70	50	N	20	70	30	N	20	N	150	200
77EB036G	N	N	30	150	50	30	N	N	50	30	N	15	N	700	200
77EB037G	N	N	20	70	<5	50	N	N	20	20	N	15	N	1,000	200
77EB038G	N	N	50	1,000	70	30	N	N	200	20	N	30	N	1,000	500
77EB039G	N	N	50	1,000	70	<20	N	N	200	10	N	30	N	1,000	300
77EB040G	N	N	15	70	20	50	N	N	20	30	N	15	N	1,000	150
77EB041G	N	N	15	70	20	50	N	N	20	30	N	15	N	1,000	200
77EB042G	N	N	20	700	50	20	N	N	100	20	N	20	N	700	200
77EB043G	N	N	10	300	30	N	5	N	20	70	N	20	10	300	200
77SL039G	N	100	20	30	200	50	15	<20	15	15,000	N	10	<10	N	200
77SL040G	N	30	7	30	200	N	N	N	7	5,000	N	<5	N	N	700
77SL041G	N	50	5	15	500	<20	20	N	5	10,000	150	5	N	N	300
77SL042G	N	50	20	50	70	100	10	<20	20	2,000	N	20	N	<100	300
77SL043G	N	N	15	30	30	50	N	N	10	100	N	10	N	500	200
77SL044G	N	N	15	30	30	30	N	<20	10	50	N	15	N	700	200
77BG024G	N	N	15	300	30	30	N	<20	70	30	N	20	N	<100	200
77BG038G	N	N	30	150	70	70	N	20	70	70	N	20	N	150	200
77BG039G	N	N	30	150	70	50	N	N	50	30	N	20	N	1,000	500
77SL206G	N	N	N	<10	<5	N	N	50	<5	70	N	N	10	N	N
77SL207G	N	N	N	<10	<5	N	N	30	<5	70	N	N	10	N	N
77SL208G	N	N	N	<10	<5	<20	N	50	<5	70	N	N	15	N	N
77SL209G	N	N	N	<10	<5	<20	N	30	<5	70	N	N	15	N	N
77SL210G	N	N	N	<10	<5	20	N	30	<5	70	N	N	15	N	N
77SL211G	N	N	N	<10	<5	20	N	70	<5	100	N	N	15	N	N
77SL212G	N	N	N	<10	N	<20	N	50	<5	50	N	N	15	N	N
77SL213G	N	N	N	<10	<5	<20	N	30	<5	70	N	N	15	N	N
77SL214G	N	N	N	<10	<5	<20	N	50	<5	70	N	N	15	N	N
77SL215G	N	N	N	<10	<5	<20	N	70	<5	70	N	N	15	N	N
77SL216G	N	N	N	<10	<5	<20	N	70	<5	70	N	N	15	N	N
77SL032G	N	N	N	<10	<5	20	N	100	<5	100	N	N	<10	N	N
77SL031G	N	N	5	<10	<5	30	N	N	<5	10	N	10	N	700	70

Table 3. Geochemical data for rocks--continued

sample	S-W	S-Y	S-ZN	S-ZR	AA-ZN-P	SI-F
77BG045G	N	20	N	150	80	--
77BG046G	<50	20	<200	150	140	--
77BG048G	50	<10	10,000	100	5,500	--
77SL035G	N	20	N	100	30	1,200
77SL036G	70	50	N	200	180	120
77SL037G	<50	150	3,000	150	2,200	2,900
77SL038G	N	100	500	150	110	2,300
77EB028G	N	70	N	70	20	--
77EB029G	N	10	N	70	40	--
77EB030G	N	70	N	200	30	--
77EB031G	N	50	N	50	40	--
77EB032G	N	30	N	500	60	--
77EB033G	N	N	N	70	<10	--
77EB034G	N	20	N	700	20	--
77EB035G	N	50	<200	500	160	--
77EB036G	N	30	N	150	50	--
77EB037G	N	30	N	200	100	--
77EB038G	N	30	N	150	90	--
77EB039G	N	20	N	100	80	--
77EB040G	N	20	N	200	90	--
77EB041G	N	30	N	300	70	--
77EB042G	N	15	N	150	60	--
77EB043G	50	10	N	150	120	--
77SL039G	<50	20	5,000	200	2,400	--
77SL040G	N	<10	5,000	70	2,700	--
77SL041G	N	<10	3,000	70	1,600	--
77SL042G	N	100	7,000	200	5,200	--
77SL043G	N	20	N	100	50	730
77SL044G	N	20	N	200	40	780
77BG024G	N	20	N	100	60	--
77BG038G	N	50	N	300	140	--
77BG039G	N	30	N	200	60	--
77SL206G	N	10	N	70	50	2,300
77SL207G	N	15	N	100	40	1,050
77SL208G	N	20	N	100	60	1,800
77SL209G	N	50	N	50	50	1,850
77SL210G	N	50	N	70	40	2,300
77SL211G	N	50	N	100	50	2,250
77SL212G	N	20	N	70	60	2,150
77SL213G	N	20	N	70	60	1,750
77SL214G	N	30	N	100	60	2,300
77SL215G	N	15	N	100	40	2,200
77SL216G	N	15	N	100	40	1,900
77SL217G	N	50	N	150	40	--
77SL218G	N	30	N	150	110	--

Table 3. Geochemical data for rocks--continued

sample	LATITUDE	LONGITUD	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE
77SL217G	46 25 59	111 53 59	1.00	<.02	.07	.020	300	N	N	N	15	150	7.0
77SL218G	46 25 59	111 53 59	1.00	<.02	.10	.020	300	N	N	N	15	<20	10.0
77BG0e5G	46 21 10	111 50 46	5.00	2.00	5.00	.500	1,000	N	N	N	15	300	<1.0
77BG0e6G	46 21 7	111 50 30	10.00	.50	.05	.200	150	15.0	200	N	50	500	1.0
77BG067G	46 21 7	111 50 30	7.00	2.00	5.00	.700	1,000	N	N	N	50	700	<1.0
77BG068G	46 21 2	111 50 25	10.00	.05	<.05	.030	50	70.0	N	10	<10	200	1.0
77BG069G	46 21 2	111 50 25	7.00	2.00	5.00	.500	1,000	.5	N	N	20	1,000	N
77BG071G	46 21 3	111 55 10	5.00	.07	.07	.070	5,000	70.0	200	30	20	200	1.5
77BG072G	46 21 20	111 50 14	7.00	3.00	5.00	.500	1,500	<.5	N	N	20	1,000	<1.0
77BG073G	46 21 28	111 50 54	5.00	2.00	5.00	.500	500	N	N	N	30	1,500	1.0
77BG074G	46 21 34	111 50 43	15.00	.30	.05	.500	100	200.0	300	150	70	1,000	1.0
77BG075G	46 21 51	111 50 50	5.00	1.50	5.00	.500	500	.7	N	N	100	1,000	<1.0
77BG076G	46 22 4	111 50 58	5.00	1.50	5.00	.700	700	N	N	N	10	1,500	1.0
77BG077G	46 22 24	111 51 2	10.00	2.00	7.00	.700	1,500	N	N	N	15	1,000	1.0
77BG078G	46 22 36	111 50 53	7.00	2.00	3.00	.700	1,500	<.5	N	N	20	1,000	1.5
77BG079G	46 22 36	111 50 45	5.00	.15	.05	.500	100	10.0	N	N	50	3,000	1.0
77BG080G	46 22 37	111 51 11	10.00	3.00	5.00	.700	1,500	N	N	N	20	700	1.0
77BG081G	46 22 32	111 51 41	7.00	.30	.05	.300	150	<.5	N	N	100	1,500	1.0
77BG082G	46 22 36	111 51 56	5.00	1.50	5.00	.500	1,000	N	N	N	15	700	1.5
77BG083G	46 22 33	111 52 9	5.00	1.50	3.00	.700	700	N	N	N	15	1,000	1.5
77BG084G	46 20 59	111 53 48	10.00	3.00	7.00	1.000	2,000	N	N	N	30	700	<1.0
77BG085G	46 21 8	111 53 49	5.00	.70	.07	.150	500	30.0	N	N	50	150	1.0
77BG086G	46 21 8	111 53 49	7.00	2.00	5.00	.500	1,000	N	N	N	70	1,500	1.0
77BG088G	46 21 29	111 53 38	15.00	2.00	.15	.700	300	<.5	N	N	>2,000	700	1.5
77BG093G	46 22 20	111 53 44	10.00	2.00	5.00	.500	700	N	N	N	100	1,500	1.5
77BG097G	46 22 50	111 52 58	15.00	2.00	5.00	.700	2,000	N	N	N	20	1,000	1.5
77BG098G	46 18 55	111 52 14	10.00	1.50	5.00	.500	1,500	N	N	N	30	1,000	<1.0
77BG100G	46 21 47	111 49 33	10.00	1.50	5.00	.700	1,500	N	N	N	70	2,000	1.5
77BG101G	46 21 53	111 49 23	10.00	1.50	5.00	.700	1,500	N	N	N	30	1,500	<1.0
77BG102G	46 22 14	111 48 55	15.00	2.00	7.00	.700	2,000	N	N	N	10	700	1.5
77BG103G	46 22 14	111 48 55	15.00	2.00	5.00	.700	1,500	N	N	N	20	1,000	<1.0
77BG104G	46 22 20	111 48 55	15.00	.03	.30	.700	300	N	N	N	15	1,500	N
77BG105G	46 22 24	111 48 53	10.00	2.00	5.00	1.000	700	N	N	N	15	1,500	1.0
77BG106G	46 22 59	111 48 29	7.00	1.50	3.00	.700	700	N	N	N	15	1,000	N
77BG107G	46 22 59	111 48 29	7.00	.02	.70	.700	100	N	N	N	15	1,000	1.5
77BG109G	46 22 36	111 48 26	7.00	1.50	3.00	.700	700	<.5	N	N	15	1,000	1.0
77BG111G	46 22 36	111 48 5	10.00	3.00	3.00	.700	1,000	N	N	N	30	1,000	<1.0
77SL045G	46 25 31	111 53 26	.70	.10	.50	.030	500	N	N	N	15	70	10.0
77SL046G	46 25 31	111 53 26	1.00	.05	.07	.020	500	N	N	N	15	N	15.0
77SL219G	46 25 59	111 53 59	1.00	.30	1.50	.150	200	N	N	N	15	200	<1.0
77DTC23G	46 22 50	11 53 8	10.00	3.00	5.00	.700	1,000	N	N	N	20	1,500	<1.0
77DTC24G	46 18 47	111 52 45	10.00	5.00	5.00	.500	1,000	N	300	N	50	1,500	<1.0
77DTC25G	46 18 47	111 52 45	10.00	5.00	5.00	.700	1,000	N	N	N	15	1,500	<1.0
77DTC26G	46 18 47	111 52 45	10.00	3.00	7.00	1.000	700	N	N	N	100	700	<1.0
77DTC27G	46 18 47	111 52 45	15.00	7.00	7.00	1.000	2,000	N	N	N	50	1,500	<1.0

Table 3. Geochemical data for rocks--continued

sample	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V
77SL217G	N	N	N	<10	<5	N	N	70	<5	70	N	N	15	N	N
77SL218G	N	N	N	<10	<5	20	N	70	<5	100	N	N	15	N	N
77BG065G	N	N	7	100	5	30	N	N	10	10	N	15	N	700	100
77BG066G	70	N	N	10	30	30	50	N	<5	1,500	N	15	N	300	100
77BG067G	N	N	7	30	20	50	N	N	10	15	N	20	N	1,000	150
77BG068G	100	N	N	<10	100	N	N	N	<5	300	N	<5	N	<100	20
77BG069G	N	N	15	20	5	30	N	N	10	30	N	15	N	1,000	200
77BG071G	30	50	15	<10	5,000	N	7	N	<5	7,000	200	N	N	N	30
77BG072G	N	N	20	100	50	30	N	N	20	70	N	20	N	1,000	200
77BG073G	N	N	15	30	20	30	N	N	10	30	N	10	N	1,500	100
77BG074G	150	N	5	<10	10,000	N	10	N	<5	20,000	300	5	N	N	50
77BG075G	N	N	15	50	30	30	N	N	15	100	N	15	N	1,000	200
77BG076G	N	N	10	30	10	30	N	N	<5	30	N	15	N	1,000	150
77BG077G	N	N	30	50	20	30	N	N	5	20	N	20	N	700	300
77BG078G	N	N	15	15	20	30	N	N	20	20	N	15	N	700	150
77BG079G	<10	N	<5	10	20	20	5	N	5	200	N	10	N	N	100
77BG080G	N	N	30	20	10	20	N	N	5	15	N	20	N	700	300
77BG081G	N	N	N	<10	30	70	15	<20	<5	500	N	7	N	300	50
77BG082G	N	N	15	10	<5	50	N	<20	<5	30	N	10	N	1,000	150
77BG083G	N	N	15	30	20	50	N	<20	10	20	N	15	N	700	150
77BG084G	N	N	20	30	30	30	N	N	15	20	N	20	N	1,000	300
77BG085G	30	N	<5	100	70	N	5	N	20	5,000	N	7	N	N	70
77BG086G	N	N	20	150	30	70	N	N	70	50	N	15	N	700	200
77BG088G	N	N	<5	15	50	50	<5	N	<5	100	N	20	N	200	200
77BG093G	N	N	20	200	30	50	N	N	50	30	N	15	N	700	150
77BG097G	N	N	20	15	<5	30	N	N	5	20	N	20	N	700	300
77BG098G	N	N	15	200	<5	50	N	N	10	20	N	15	N	700	200
77BG100G	N	N	15	20	20	30	N	N	7	20	N	15	N	1,000	150
77BG101G	N	N	15	20	<5	30	N	N	7	20	N	15	N	1,500	200
77BG102G	N	N	30	30	5	30	N	N	10	20	N	15	N	1,500	200
77BG103G	N	N	15	30	7	30	N	N	10	10	N	15	N	1,500	300
77BG104G	N	N	<5	50	70	50	7	<20	<5	20	N	15	N	1,000	500
77BG105G	N	N	20	15	50	50	N	N	10	30	N	15	N	1,000	300
77BG106G	N	N	20	20	30	50	N	<20	10	20	N	15	N	700	150
77BG107G	N	N	N	30	15	100	N	<20	<5	150	N	15	N	3,000	150
77BG109G	N	N	15	30	70	50	N	<20	15	20	N	15	N	700	150
77BG111G	N	N	30	70	30	50	N	<20	30	20	N	20	N	700	200
77SL045G	N	N	N	<10	N	30	N	30	5	50	N	N	15	N	<10
77SL046G	N	N	N	<10	<5	<20	N	70	5	70	N	N	10	N	N
77SL219G	N	N	N	<10	5	30	N	70	5	70	N	5	15	150	50
77SI023G	N	N	20	<10	<5	30	N	N	<5	50	N	20	N	700	150
77SI024G	N	N	30	1,000	70	20	N	N	100	10	N	30	N	700	200
77SI025G	N	N	50	1,000	50	20	N	N	150	10	N	30	N	700	200
77SI026G	N	N	30	100	<5	50	N	N	20	10	N	30	N	700	500
77SI027G	N	N	70	1,500	20	30	N	N	500	15	N	30	N	700	500

Table 3. Geochemical data for rocks--continued

sample	S-W	S-Y	S-ZN	S-ZR	AA-ZN-P	SI-F
77SL217G	N	30	N	100	50	--
77SL218G	N	30	N	100	60	--
77BG065G	N	20	N	100	110	--
77BG066G	50	20	N	70	30	--
77BG067G	N	30	N	150	130	--
77BG068G	N	20	200	20	70	--
77BG069G	N	20	N	150	70	--
77BG071G	N	<10	7,000	70	3,000	--
77BG072G	N	20	N	100	90	--
77BG073G	N	10	N	100	30	--
77BG074G	N	<10	1,000	150	500	--
77BG075G	N	15	N	100	30	--
77BG076G	N	20	N	150	70	--
77BG077G	N	30	N	150	70	--
77BG078G	N	30	N	150	80	--
77BG079G	N	15	N	70	10	--
77BG080G	N	30	N	100	120	--
77BG081G	N	20	N	200	20	--
77BG082G	N	30	N	100	90	--
77BG083G	N	30	N	200	90	--
77BG084G	N	30	N	100	140	--
77BG085G	N	N	700	70	320	--
77BG086G	N	30	N	200	60	--
77BG088G	N	30	N	150	50	--
77BG093G	N	30	N	70	50	--
77BG097G	N	30	200	150	170	--
77BG098G	N	20	N	100	60	--
77BG100G	N	30	N	150	70	--
77BG101G	N	30	N	150	90	--
77BG102G	N	30	N	150	130	--
77BG103G	N	20	N	150	120	--
77BG104G	N	10	200	150.	20	--
77BG105G	N	20	N	200	90	--
77BG106G	N	20	N	150	80	--
77BG107G	N	N	N	200	<10	--
77BG109G	N	20	N	150	130	--
77BG111G	N	30	<200	150	140	--
77SL045G	N	70	N	50	30	1,300
77SL046G	N	50	N	100	60	1,450
77SL219G	N	100	N	100	30	--
77SL223G	N	20	<200	100	160	--
77SL224G	N	20	N	100	30	--
77SL225G	N	20	N	100	30	--
77SL226G	N	30	N	100	40	--
77SL227G	N	30	N	150	50	--

Table 3. Geochemical data for rocks--continued

sample	LATITUDE	LONGITUD	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE
77DT028G	46 18 47	111 52 45	10.00	7.00	7.00	.500	1,000	N	N	N	20	2,000	N
77DT029G	46 18 47	111 52 45	10.00	7.00	10.00	.500	1,000	N	N	N	20	300	<1.0
77DT030G	46 18 47	111 52 45	10.00	5.00	7.00	.700	1,000	N	N	N	20	700	<1.0
77DT031G	46 18 47	111 52 45	10.00	7.00	7.00	.700	1,000	N	N	N	20	500	<1.0
77DT032G	46 18 47	111 52 45	10.00	7.00	7.00	.500	1,000	N	N	N	10	300	<1.0
77DT033G	46 18 47	111 52 45	10.00	3.00	7.00	.700	1,000	N	N	N	20	1,500	<1.0
77DT034G	46 18 47	111 52 45	10.00	3.00	7.00	.500	1,000	N	N	N	30	1,500	<1.0
77DT035G	46 18 47	111 52 45	15.00	7.00	5.00	.700	1,000	N	N	N	15	300	<1.0
77DT036G	46 18 47	111 52 45	15.00	5.00	5.00	1.000	1,000	N	N	N	20	1,500	1.0
77DT037G	46 18 46	111 52 45	10.00	10.00	7.00	.700	1,500	N	N	N	15	500	N
77DT038G	46 18 47	111 52 45	15.00	7.00	10.00	.500	1,500	N	N	N	30	700	<1.0
77DT039G	46 18 47	111 52 45	15.00	5.00	7.00	.700	1,000	N	N	N	20	1,000	<1.0
77DT040G	46 18 47	111 52 45	15.00	5.00	10.00	.700	1,000	N	N	N	20	700	<1.0
77DT041G	46 18 47	111 52 45	10.00	5.00	7.00	.700	700	N	N	N	20	300	<1.0
77DT042G	46 18 47	111 52 45	15.00	10.00	10.00	.700	1,500	N	N	N	500	1,000	<1.0
77DT043G	46 18 47	111 52 45	15.00	7.00	7.00	.700	1,000	.5	N	N	30	1,500	<1.0
77DT044G	46 18 47	111 52 45	10.00	7.00	7.00	.700	1,000	N	N	N	15	2,000	<1.0
77DT045G	46 18 47	111 52 45	10.00	7.00	7.00	.700	1,500	N	N	N	15	700	<1.0
77DT046G	46 18 47	111 52 45	10.00	7.00	10.00	.700	1,000	N	N	N	100	200	<1.0
77DT047G	46 18 47	111 52 45	15.00	7.00	10.00	.700	1,000	N	N	N	50	700	<1.0
77DT048G	46 18 47	111 52 45	10.00	2.00	5.00	.700	1,000	N	N	N	10	1,000	<1.0
77DT049G	46 18 47	111 52 45	10.00	3.00	10.00	.700	1,000	N	N	N	100	1,000	<1.0
77DT050G	46 18 47	111 52 45	10.00	5.00	7.00	.700	1,000	N	N	N	20	1,000	<1.0
77DT051G	46 18 47	111 52 45	15.00	5.00	10.00	.700	1,000	N	N	N	200	1,500	<1.0
77DT052G	46 18 47	111 52 45	15.00	3.00	7.00	.700	1,000	N	N	N	15	1,000	<1.0
77DT053G	46 18 47	111 52 45	15.00	5.00	10.00	.700	1,000	N	N	N	20	1,000	<1.0
77DT055G	46 18 47	111 52 45	15.00	3.00	10.00	.700	1,000	N	N	N	30	1,500	<1.0
77DT056G	46 18 47	111 52 45	15.00	2.00	5.00	.700	1,000	N	N	N	10	1,000	<1.0
77DT057G	46 18 47	111 52 45	15.00	10.00	7.00	.700	1,500	N	N	N	10	700	<1.0
77DT058G	46 18 47	111 52 45	10.00	5.00	10.00	.500	1,500	N	N	N	70	1,000	<1.0
77DT059G	46 18 47	111 52 45	15.00	5.00	10.00	.500	1,500	N	N	N	20	1,000	<1.0
77DT060G	46 18 47	111 52 45	15.00	5.00	7.00	.500	1,000	N	N	N	20	700	<1.0
77DT061G	46 18 47	111 52 45	10.00	7.00	10.00	.500	1,500	N	N	N	15	1,000	<1.0
77DT062G	46 18 47	111 52 45	10.00	5.00	10.00	.500	1,000	N	N	N	200	1,500	<1.0
77DT063G	46 18 47	111 52 45	15.00	5.00	10.00	.500	1,000	N	N	N	500	1,500	<1.0
77DT065G	46 18 47	111 52 45	10.00	5.00	7.00	.500	1,000	<.5	N	N	15	1,000	<1.0
77DT066G	46 18 47	111 52 45	15.00	5.00	10.00	.500	1,500	N	N	N	30	500	<1.0
77DT067G	46 18 47	111 52 45	15.00	5.00	10.00	.500	1,000	N	N	N	20	1,500	<1.0
77DT068G	46 18 47	111 52 45	15.00	5.00	10.00	.500	1,000	N	N	N	700	1,500	<1.0
77DT069G	46 18 47	111 52 45	15.00	5.00	10.00	.500	1,000	N	N	N	15	1,000	<1.0
77DT070G	46 18 47	111 52 45	15.00	5.00	15.00	.500	1,000	.5	N	N	50	700	<1.0
77LA038G	46 17 26	111 53 14	7.00	2.00	2.00	.700	1,000	N	N	N	30	1,000	2.0
77LA039G	46 17 26	111 53 14	5.00	1.50	1.50	.500	700	N	N	N	20	1,000	<1.0
77LA040G	46 17 26	111 53 14	5.00	.70	.50	.500	150	3.0	1,500	N	300	3,000	N
77LA041G	46 17 26	111 53 14	10.00	3.00	5.00	.700	700	N	N	N	15	1,000	N

Table 3. Geochemical data for rocks--continued

sample	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V
77DT028G	N	N	50	1,000	10	20	N	N	200	15	N	30	N	700	300
77DT029G	N	N	30	1,000	<5	20	N	N	150	10	N	30	N	700	200
77DT030G	N	N	30	500	30	50	N	N	150	15	N	30	N	700	300
77DT031G	N	N	50	1,000	7	20	N	N	200	15	N	30	N	700	200
77DT032G	N	N	30	1,000	<5	20	N	N	150	10	N	30	N	700	200
77DT033G	N	N	50	1,500	5	20	N	N	150	10	N	30	N	700	300
77DT034G	N	N	30	1,000	7	20	N	N	150	15	N	20	N	700	300
77DT035G	N	N	50	1,000	30	20	N	N	70	<10	N	20	N	700	200
77DT036G	N	N	30	1,000	50	30	N	N	100	30	N	20	N	700	200
77DT037G	N	N	30	1,000	50	<20	N	N	70	N	N	20	N	700	200
77DT038G	N	N	50	1,000	5	<20	N	N	70	10	N	20	N	700	200
77DT039G	N	N	50	1,000	50	30	N	N	100	30	N	20	N	700	200
77DT040G	N	N	50	1,500	5	30	N	N	100	30	N	20	N	700	300
77DT041G	N	N	30	70	20	30	N	N	15	10	N	20	N	700	300
77DT042G	N	N	70	1,500	7	30	N	N	150	20	N	30	N	700	300
77DT043G	N	N	70	1,500	50	20	N	N	100	10	N	30	N	700	300
77DT044G	N	N	30	1,500	5	<20	N	N	100	10	N	30	N	700	200
77DT045G	N	N	70	1,000	50	20	N	N	150	10	N	30	N	700	300
77DT046G	N	N	50	1,500	<5	20	N	N	100	10	N	30	N	700	300
77DT047G	N	N	50	1,500	<5	30	N	N	200	20	N	30	N	700	300
77DT048G	N	N	7	10	<5	50	N	N	<5	10	N	20	N	700	200
77DT049G	N	N	50	1,000	100	30	N	N	150	30	N	30	N	1,000	500
77DT050G	N	N	50	1,000	20	30	N	N	150	30	N	20	N	700	300
77DT051G	N	N	30	1,000	200	20	N	N	150	20	N	30	N	700	500
77DT052G	N	N	50	1,000	<5	30	N	N	150	100	N	20	N	700	500
77DT053G	N	N	50	1,000	50	<20	N	N	100	10	N	30	N	700	500
77DT055G	N	N	30	1,500	50	<20	N	N	150	50	N	30	N	700	500
77DT056G	N	N	5	10	20	30	N	N	<5	15	N	15	N	700	200
77DT057G	N	N	20	1,000	70	20	N	N	150	10	N	30	N	700	500
77DT058G	N	N	50	700	<5	20	N	N	150	10	N	20	N	700	200
77DT059G	N	N	50	1,000	30	20	N	N	150	15	N	30	N	700	200
77DT060G	N	N	50	1,000	30	20	N	N	200	15	N	30	N	500	150
77DT061G	N	N	50	1,000	50	20	N	N	200	15	N	30	N	700	200
77DT062G	N	N	30	1,000	100	30	N	N	150	20	N	30	N	700	200
77DT063G	N	N	30	1,000	50	20	N	N	150	15	N	30	N	700	200
77DT065G	N	N	20	700	70	20	N	N	100	10	N	30	N	700	200
77DT066G	N	N	20	1,000	30	20	N	N	150	15	N	30	N	700	200
77DT067G	N	N	30	1,000	50	20	N	N	150	15	N	20	N	700	200
77DT068G	N	N	30	1,000	150	20	N	N	150	20	N	30	N	700	200
77DT069G	N	N	30	1,500	70	20	N	N	150	10	N	30	N	700	200
77DT070G	N	N	20	1,500	150	100	N	N	150	50	N	30	N	700	200
77LA0336G	N	N	15	70	15	30	N	N	30	30	N	10	N	700	150
77LA0339G	N	N	10	70	15	30	N	N	20	30	N	10	N	500	150
77LA0340G	N	N	20	70	100	20	N	N	10	100	N	10	N	500	150
77LA0341G	N	N	30	500	70	30	N	N	70	20	N	20	N	700	300

Table 3. Geochemical data for rocks--continued

sample	S-W	S-Y	S-ZN	S-ZR	AA-ZN-P	SI-F
77DT028G	N	20	N	100	20	--
77DT029G	N	20	N	70	40	--
77DT030G	N	30	N	150	40	--
77DT031G	N	20	N	100	40	--
77DT032G	N	30	N	100	40	--
77DT033G	N	30	N	100	20	--
77DT034G	N	20	N	100	20	--
77DT035G	N	20	N	100	50	--
77DT036G	N	30	N	150	50	--
77DT037G	N	20	N	100	30	--
77DT038G	N	20	N	100	30	--
77DT039G	N	20	N	150	60	--
77DT040G	N	20	N	100	40	--
77DT041G	N	20	N	70	50	--
77DT042G	N	20	N	100	70	--
77DT043G	N	20	N	100	30	--
77DT044G	N	20	N	100	30	--
77DT045G	N	20	N	100	50	--
77DT046G	N	20	N	100	40	--
77DT047G	N	30	N	100	60	--
77DT048G	N	20	N	150	70	--
77DT049G	N	30	N	100	30	--
77DT050G	N	30	N	150	60	--
77DT051G	N	20	N	70	20	--
77DT052G	N	20	N	150	100	--
77DT053G	N	20	N	70	40	--
77DT055G	N	20	N	100	30	--
77DT056G	N	20	N	100	60	--
77DT057G	N	20	N	100	30	--
77DT058G	N	20	N	100	50	--
77DT059G	N	20	N	100	30	--
77DT060G	N	20	N	100	120	--
77DT061G	N	20	N	100	40	--
77DT062G	N	20	N	100	20	--
77DT063G	N	20	N	100	20	--
77DT065G	N	20	N	100	20	--
77DT066G	N	20	N	100	50	--
77DT067G	N	20	N	100	30	--
77DT068G	N	20	N	100	60	--
77DT069G	N	20	N	100	40	--
77DT070G	N	20	N	100	40	--
77LA038G	N	20	N	150	80	--
77LA039G	N	20	N	150	70	--
77LA040G	<50	15	N	100	30	--
77LA041G	N	20	N	150	100	--

Table 3. Geochemical data for rocks--continued

sample	LATITUDE	LONGITUD	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE
77LA042G	46 17 26	111 53 14	10.00	3.00	7.00	.700	1,000	<.5	N	N	20	1,000	<1.0
77LA043G	46 17 26	111 53 14	10.00	2.00	5.00	.500	1,000	<.5	N	N	20	1,000	<1.0
77LA044G	46 17 26	111 53 14	5.00	2.00	2.00	.500	700	N	N	N	20	1,500	1.0
77LA045G	46 17 26	111 53 14	7.00	1.50	2.00	.700	700	N	N	N	20	1,000	1.0
77LA046G	46 17 26	111 53 14	7.00	2.00	3.00	.700	1,000	<.5	N	N	20	1,500	1.5
77LA047G	46 17 26	111 53 14	10.00	2.00	5.00	.500	1,000	N	N	N	30	1,000	<1.0
77LA048G	46 17 26	111 53 14	15.00	1.00	.70	.300	200	10.0	>10,000	<10	>2,000	70	1.0
77LA049G	46 17 26	111 53 14	5.00	1.50	.50	.500	>5,000	3.0	2,000	N	2,000	200	<1.0
77LA050G	46 17 26	111 53 14	7.00	1.50	.70	.500	1,500	2.0	300	N	>2,000	200	<1.0
77LA051G	46 17 26	111 53 14	10.00	1.00	.15	.300	300	1.0	700	N	1,000	1,000	N
77LA052G	46 17 26	111 53 14	3.00	.70	.15	.300	200	<.5	200	N	>2,000	3,000	N
77LA053G	46 17 26	111 53 14	5.00	3.00	.70	.300	700	1.5	N	N	>2,000	2,000	1.5
77LA054G	46 17 26	111 53 14	2.00	.70	.50	.700	200	3.0	N	N	700	3,000	N
77LA055G	46 17 26	111 53 14	2.00	1.50	.20	.700	200	1.0	500	N	>2,000	1,000	<1.0
77LA056G	46 17 26	111 53 14	3.00	1.00	.20	.200	70	.7	2,000	N	>2,000	1,500	<1.0
77LA057G	46 17 26	111 53 14	10.00	1.50	.05	.700	150	7.0	1,000	N	>2,000	2,000	N
77LA058G	46 17 26	111 53 14	15.00	1.50	.15	.500	700	5.0	3,000	N	1,500	1,500	N
77LA059G	46 17 26	111 53 14	15.00	1.00	.20	.700	500	7.0	>10,000	<10	>2,000	300	1.0
77LA060G	46 17 26	111 53 14	5.00	.50	.20	.700	150	2.0	300	N	700	3,000	N
77LA061G	46 17 26	111 53 14	5.00	1.50	.50	.700	100	1.0	700	N	2,000	3,000	N
77LA062G	46 17 26	111 53 14	2.00	1.00	.50	.500	1.0	.5	300	N	>2,000	2,000	<1.0
77LA063G	46 17 26	111 53 14	5.00	1.50	.30	.500	150	5.0	1,500	N	>2,000	2,000	<1.0
77LA064G	46 17 26	111 53 14	10.00	3.00	3.00	.700	1,500	N	N	N	70	1,500	1.5
77LA065G	46 17 26	111 53 14	10.00	2.00	3.00	.700	1,000	N	N	N	50	1,000	1.5
77LA066G	46 17 23	111 53 14	10.00	2.00	3.00	.700	1,000	N	N	N	50	1,500	1.5
77LA067G	46 17 23	111 53 14	10.00	2.00	3.00	1.000	1,500	N	N	N	50	1,500	1.5
77LA068G	46 17 23	111 53 14	10.00	2.00	3.00	.500	1,500	N	N	N	50	1,000	1.5
77DT099G	46 17 34	111 53 20	1.50	.05	.05	.005	150	<.5	N	N	15	50	1.0
77DT100G	46 17 35	111 53 14	20.00	.15	.30	.002	700	N	N	N	10	30	3.0
77DT102G	46 17 41	111 53 14	10.00	2.00	7.00	.700	1,000	N	N	N	30	1,500	<1.0
77DT103G	46 17 41	111 53 20	10.00	3.00	7.00	.700	1,000	N	N	N	20	1,500	<1.0
77DT104G	46 17 44	111 53 44	10.00	2.00	2.00	.700	200	N	N	N	50	2,000	1.0
77DT106G	46 17 44	111 54 2	15.00	5.00	10.00	.700	1,000	N	N	N	150	1,500	<1.0
77DT107G	46 17 45	111 54 11	7.00	1.50	7.00	.700	700	N	N	N	150	1,500	1.0
77DT108G	46 17 48	111 54 12	7.00	2.00	3.00	.700	700	N	N	N	50	2,000	1.0
77DT111G	46 18 6	111 54 10	7.00	2.00	3.00	.700	500	<.5	N	N	50	1,500	2.0
77DT117G	46 17 34	111 53 45	10.00	7.00	7.00	.500	1,000	N	N	N	50	1,500	<1.0
77DT112G	46 17 41	111 54 5	10.00	2.00	5.00	.700	1,000	.7	N	N	200	1,500	<1.0
77DT119G	46 17 26	111 53 30	10.00	3.00	3.00	.700	1,500	N	N	N	30	1,000	1.0
77SL079G	46 18 57	111 2 2	5.00	2.00	3.00	.700	700	N	N	N	15	1,000	1.0
77SL080G	46 18 51	112 1 46	3.00	2.00	3.00	.500	1,000	N	N	N	15	1,000	1.0
77SL082G	46 18 56	112 1 50	.70	.03	.05	.070	50	N	N	N	20	100	2.0
77SL083G	46 18 19	111 55 42	.50	.10	.50	.100	300	N	N	N	30	1,500	5.0
77SL084G	46 18 20	111 55 42	10.00	2.00	7.00	.700	700	N	N	N	20	1,500	<1.0
77SL085G	46 18 17	111 55 41	1.50	.15	.20	.150	500	<.5	N	N	30	100	5.0

Table 3. Geochemical data for rocks--continued

sample	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V
77LA042G	N	N	30	500	70	30	N	N	70	30	N	20	N	700	300
77LA043G	N	N	20	150	30	30	N	N	30	20	N	20	N	700	200
77LA044G	N	N	15	50	70	30	N	N	30	20	N	15	N	700	200
77LA045G	N	N	20	150	70	50	N	N	50	10	N	20	N	700	200
77LA046G	N	N	20	70	50	50	N	N	30	20	N	10	N	700	150
77LA047G	N	N	15	<10	5	50	N	N	<5	10	N	15	N	700	150
77LA048G	30	30	1,500	200	70	50	<5	N	100	200	N	20	N	200	150
77LA049G	N	N	150	200	70	20	N	N	150	70	N	10	<10	100	150
77LA050G	N	N	20	700	100	<20	N	N	70	200	N	15	<10	100	150
77LA051G	N	N	20	500	100	<20	N	N	100	100	N	10	N	<100	200
77LA052G	N	N	15	150	30	N	N	N	30	70	N	10	<10	300	150
77LA053G	N	N	20	200	50	N	N	N	50	150	N	20	10	500	200
77LA054G	N	N	15	100	15	50	N	N	15	<10	N	5	15	200	300
77LA055G	<10	N	N	300	7	150	N	N	5	70	N	15	10	200	300
77LA056G	N	N	<5	150	20	N	N	N	5	20	N	15	10	300	200
77LA057G	N	N	<5	2,000	50	N	N	N	5	100	N	20	10	300	500
77LA058G	N	N	30	700	200	<20	<5	N	30	200	N	15	N	150	200
77LA059G	N	50	30	700	70	150	<5	N	30	2,000	N	15	N	200	150
77LA060G	N	N	10	200	20	30	N	N	15	200	N	10	<10	500	150
77LA061G	N	N	5	700	70	70	5	N	7	150	N	20	10	500	200
77LA062G	N	N	<5	200	20	N	N	N	15	70	N	15	<10	300	150
77LA063G	N	N	15	200	70	30	5	N	20	100	N	15	10	500	200
77LA064G	N	N	50	150	50	50	N	N	30	30	N	20	N	700	300
77LA065G	N	N	30	70	50	50	N	N	30	20	N	20	N	700	200
77LA066G	N	N	30	100	50	70	N	N	30	30	N	30	N	700	300
77LA067G	N	N	50	100	70	50	<5	N	50	30	N	30	N	1,000	300
77LA068G	N	N	50	30	20	50	N	N	7	30	N	15	N	1,000	150
77DT099G	N	N	N	20	15	N	N	N	10	N	N	<5	N	N	30
77DT100G	N	N	15	10	5	N	30	N	70	20	N	5	N	N	50
77DT102G	N	N	15	30	<5	30	N	N	7	30	N	15	N	1,000	200
77DT103G	N	N	30	1,000	50	50	N	N	200	30	N	20	N	1,000	200
77DT104G	N	N	15	30	50	30	N	N	100	50	N	15	N	700	500
77DT106G	N	N	70	1,500	30	20	N	N	200	20	N	30	N	1,000	300
77DT107G	N	N	20	50	30	30	N	N	30	30	N	15	N	1,500	200
77DT108G	N	N	15	150	50	50	N	N	30	20	N	15	N	1,000	300
77DT111G	N	N	20	30	100	50	N	N	50	30	N	15	N	700	300
77DT117G	N	N	70	1,000	20	30	N	N	150	10	N	20	N	1,000	200
77DT112G	N	N	50	1,000	300	20	N	N	150	150	N	20	N	700	200
77DT119G	N	N	30	500	50	20	N	N	50	200	N	20	N	700	200
77SL079G	N	N	15	30	50	50	N	N	15	20	N	15	<10	700	150
77SL080G	N	N	15	20	20	50	N	N	15	30	N	10	<10	700	150
77SL082G	N	N	N	<10	10	20	5	<20	5	30	N	N	N	N	10
[illegible]	N	N	N	N	<5	30	N	<20	<5	50	N	5	N	N	N
[illegible]	N	N	20	15	50	50	N	N	10	30	N	20	N	1,000	300
[illegible]	N	N	<5	<10	<5	30	N	20	<5	50	N	7	<10	N	10

Table 3. Geochemical data for rocks--continued

sample	S-W	S-Y	S-ZN	S-ZR	AA-ZN-P	SI-F
77LA042G	N	20	N	150	50	--
77LA043G	N	30	N	150	70	--
77LA044G	N	20	N	150	90	--
77LA045G	N	30	N	150	120	--
77LA046G	N	30	N	150	90	--
77LA047G	N	30	N	150	80	--
77LA048G	50	15	200	150	40	--
77LA049G	<50	20	N	150	100	--
77LA050G	<50	15	<200	150	160	--
77LA051G	50	15	N	100	100	--
77LA052G	<50	15	N	100	40	--
77LA053G	<50	20	<200	150	250	--
77LA054G	70	20	N	200	40	--
77LA055G	50	20	N	200	50	--
77LA056G	<50	10	N	100	90	--
77LA057G	50	10	N	150	80	--
77LA058G	50	15	500	100	450	--
77LA059G	100	15	1,000	150	720	--
77LA060G	<50	20	N	150	110	--
77LA061G	<50	20	N	100	70	--
77LA062G	N	15	N	150	50	--
77LA063G	<50	15	N	100	30	--
77LA064G	N	70	<200	200	230	--
77LA065G	N	50	N	200	160	--
77LA066G	N	70	N	300	160	--
77LA067G	N	70	N	300	130	--
77LA068G	N	30	<200	200	170	--
77DT099G	N	N	N	N	<10	--
77DT100G	N	15	N	N	20	--
77DT102G	N	50	N	200	90	--
77DT103G	N	50	N	200	60	--
77DT104G	N	30	N	200	30	--
77DT106G	N	30	N	200	60	--
77DT107G	N	30	N	150	80	--
77DT108G	N	30	N	200	90	--
77DT111G	N	30	N	200	90	--
77DT117G	N	30	N	150	90	--
77DT112G	N	50	N	200	170	--
77DT119G	N	30	N	200	170	--
77SL079G	N	30	N	100	40	--
77SL080G	N	30	N	50	50	--
77SL082G	N	20	N	70	<10	--
77SL083G	N	30	N	200	10	--
77SL084G	N	30	N	200	40	--
77SL085G	N	30	N	70	20	--

Table 3. Geochemical data for rocks--continued

sample	LATITUDE	LONGITUD	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE
77SL086G	46 18 17	111 55 41	.30	<.02	1.00	.015	500	1.5	N	N	150	30	N
77SL087G	46 18 36	111 55 37	2.00	.03	<.05	.030	5,000	30.0	N	N	15	700	N
77SL088G	46 18 42	111 55 28	5.00	1.50	5.00	.700	700	<.5	N	N	100	1,000	<1.0
77xM105G	46 18 45	111 54 51	7.00	2.00	7.00	.700	700	N	N	N	30	300	<1.0
77MG029G	46 18 38	111 54 10	7.00	3.00	10.00	.700	700	<.5	N	N	500	1,000	<1.0
77LA023G	46 15 6	111 57 34	3.00	1.00	1.00	.500	1,000	N	N	N	50	1,000	1.0
77DT121G	46 17 30	111 53 23	10.00	5.00	5.00	1.000	1,500	N	N	N	20	1,500	<1.0
77DT122G	46 17 27	111 53 25	10.00	3.00	3.00	.700	1,500	<.5	N	N	30	1,500	<1.0
77DT123G	46 17 25	111 53 21	5.00	1.50	3.00	.700	500	N	N	N	50	2,000	<1.0
77DT124G	46 17 27	111 53 25	10.00	3.00	3.00	1.000	1,000	N	N	N	50	1,500	<1.0
77DT125G	46 17 27	111 53 25	10.00	2.00	5.00	1.000	1,000	N	N	N	30	2,000	1.0
77DT130G	46 17 21	111 53 30	10.00	2.00	3.00	1.000	1,500	N	N	N	50	1,500	1.0
77DT131G	46 17 21	111 53 30	10.00	2.00	3.00	1.000	2,000	<.5	N	N	30	1,500	1.0
77DT132G	46 17 25	111 53 35	10.00	2.00	3.00	.700	2,000	N	N	N	50	1,500	1.0
77DT133G	46 17 32	111 53 30	10.00	1.50	5.00	1.000	1,000	N	N	N	30	1,500	1.0
77DT134G	46 17 20	111 53 48	10.00	1.50	5.00	.700	2,000	N	N	N	50	2,000	<1.0
77DT136G	46 17 25	111 53 45	10.00	1.50	3.00	1.000	1,500	N	N	N	70	1,500	1.0
77DT138G	46 17 35	111 53 41	10.00	5.00	5.00	.700	2,000	N	N	N	30	1,500	<1.0
77DT142G	46 17 21	111 53 59	10.00	1.50	5.00	.700	2,000	N	N	N	50	1,500	1.0
77DT147G	46 17 22	111 53 27	15.00	2.00	5.00	.700	3,000	N	N	N	50	1,000	<1.0
77DT148G	46 17 22	111 53 27	10.00	2.00	3.00	1.000	1,000	N	N	N	70	1,500	1.0
77DT149G	46 17 20	111 53 20	10.00	1.50	5.00	.700	1,000	N	N	N	30	1,500	1.0
77DT150G	46 17 23	111 53 21	7.00	1.50	3.00	.700	1,500	N	N	N	50	2,000	<1.0
77DT151G	46 17 23	111 53 12	10.00	2.00	10.00	.700	2,000	<.5	N	N	20	100	<1.0
77DT152G	46 17 25	111 53 0	15.00	5.00	10.00	.700	2,000	N	N	N	50	2,000	<1.0
77DT153G	46 17 26	111 53 9	10.00	2.00	2.00	.700	1,000	N	N	N	15	1,500	<1.0
77DT155G	46 17 17	111 53 8	15.00	2.00	1.00	.700	500	.5	N	N	20	2,000	1.0
77DT156G	46 17 16	111 53 12	10.00	1.00	.70	.700	1,000	5.0	N	N	300	1,000	1.5
77DT157G	46 17 12	111 53 8	10.00	1.50	1.50	.700	1,500	1.0	N	N	50	1,000	<1.0
77DT158G	46 17 11	111 53 9	15.00	5.00	5.00	.700	3,000	.5	N	N	10	1,500	1.0
77SL090G	46 18 39	111 55 58	2.00	1.50	3.00	.300	500	N	N	N	20	1,500	2.0
77SL091G	46 25 54	111 54 47	1.50	<.02	.50	.050	500	N	N	N	10	N	15.0
77SL092G	46 25 54	111 54 47	1.50	.07	.70	.050	500	N	N	N	20	N	7.0
77SL093G	46 25 56	111 54 47	1.50	<.02	.50	.070	500	N	N	N	20	N	10.0
77SL094G	46 25 50	111 54 48	.70	.02	<.05	.010	700	N	N	N	15	<20	5.0
77SL096G	46 24 57	111 53 17	1.50	.10	.10	.050	200	N	N	N	15	N	7.0
77SL097G	46 24 57	111 53 17	1.00	.02	.30	.015	300	N	N	N	70	N	20.0
77SL098G	46 24 57	111 53 17	10.00	2.00	5.00	.700	1,000	N	N	N	100	1,000	2.0
77SL099G	46 24 39	111 53 50	1.00	.30	.10	.100	200	7.0	N	N	70	500	1.5
77SL100G	46 24 51	111 53 17	>20.00	.02	N	.002	300	70.0	>10,000	50	N	N	N
77DT159G	46 15 42	111 57 53	10.00	.15	.30	.300	1,500	20.0	700	N	500	300	1.0
77xM106G	46 15 33	111 57 50	10.00	2.00	7.00	.700	700	.5	N	N	10	1,500	<1.0
77xM107G	46 15 36	111 58 13	2.00	.20	3.00	.500	200	N	N	N	10	1,500	2.0
77xM108G	46 15 38	111 58 8	7.00	2.00	3.00	.700	700	N	N	N	10	1,500	1.0
77xM110G	46 15 39	111 57 51	7.00	1.50	5.00	.700	700	N	N	N	10	1,500	1.0

Table 3. Geochemical data for rocks--continued

sample	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V
77SL086G	N	N	<5	10	20	N	N	N	<5	70	N	N	N	N	10
77SL087G	N	30	7	10	300	N	N	N	15	1,500	N	N	N	N	100
77SL088G	N	N	15	70	50	50	15	N	10	30	N	15	N	700	300
77WM105G	N	N	30	100	20	20	N	N	30	30	N	20	N	700	200
77WM029G	N	N	15	150	30	30	N	N	20	50	N	30	N	1,000	300
77LA023G	N	N	20	20	20	30	N	N	10	30	N	10	N	500	100
77DT121G	N	N	30	1,000	20	30	N	N	100	50	N	20	N	700	300
77DT122G	N	N	30	700	70	30	N	N	100	20	N	20	N	700	300
77DT123G	N	N	15	50	30	30	N	N	30	30	N	15	N	700	200
77DT124G	N	N	20	150	70	30	N	N	50	20	N	15	N	700	300
77DT125G	N	N	15	70	50	50	N	N	30	30	N	15	N	1,500	300
77DT130G	N	N	20	30	50	30	N	N	30	20	N	30	N	1,000	200
77DT131G	N	N	30	700	100	50	N	N	50	30	N	20	N	700	500
77DT132G	N	N	50	100	50	50	N	<20	70	20	N	30	N	1,000	200
77DT133G	N	N	20	300	70	50	N	N	50	50	N	20	N	700	300
77DT134G	N	N	20	30	20	50	N	N	20	50	N	15	N	1,500	300
77DT136G	N	N	20	100	70	50	N	<20	70	20	N	20	N	1,000	500
77DT138G	N	N	30	700	70	50	N	N	100	50	N	20	N	700	300
77DT142G	N	N	20	30	15	50	N	<20	20	30	N	20	N	1,500	300
77DT147G	N	N	50	30	50	50	N	N	10	50	N	30	N	1,000	500
77DT148G	N	N	30	50	30	70	N	<20	30	20	N	30	N	1,000	500
77DT149G	N	N	20	30	50	50	N	<20	10	20	N	15	N	1,500	200
77DT150G	N	N	20	20	30	30	N	N	20	30	N	15	N	700	200
77DT151G	N	N	20	1,000	70	30	N	N	70	50	N	20	N	1,000	300
77DT152G	N	N	30	1,000	100	20	N	N	100	50	N	30	N	1,000	300
77DT153G	N	N	30	700	100	20	N	N	70	10	N	30	N	500	200
77DT155G	N	N	30	300	100	20	N	N	70	20	N	30	N	500	300
77DT156G	N	N	20	150	70	30	N	N	50	70	N	15	N	<100	200
77DT157G	N	N	20	300	100	20	N	N	50	15	N	20	N	500	200
77DT158G	N	N	50	1,000	100	20	N	N	150	30	N	30	N	700	200
77SL090G	N	N	7	30	5	30	N	N	10	30	N	7	N	300	70
77SL091G	N	N	N	<10	<5	50	N	100	<5	70	N	N	<10	N	N
77SL092G	N	N	N	<10	<5	50	N	70	<5	100	N	N	10	N	<10
77SL093G	N	N	N	<10	<5	50	10	70	<5	70	N	N	10	N	<10
77SL094G	N	N	N	<10	<5	N	N	50	<5	150	N	N	20	N	N
77SL096G	N	N	N	<10	N	N	N	70	<5	70	N	N	15	N	10
77SL097G	N	N	N	N	N	<20	<5	70	<5	100	N	N	20	N	N
77SL098G	N	N	20	50	50	30	N	N	15	30	N	15	N	500	200
77SL099G	<10	N	<5	<10	70	30	50	N	<5	500	N	N	N	150	20
77SL100G	100	N	20	N	500	N	5	N	N	3,000	700	N	N	N	50
77DT159G	N	N	5	10	70	N	5	N	5	1,500	100	7	N	N	70
77WM106G	N	N	15	70	30	50	N	N	10	50	N	20	N	700	200
77WM107G	N	N	<5	15	20	50	N	N	10	70	N	7	N	700	70
77WM108G	N	N	15	100	30	50	N	<20	20	20	N	15	N	500	150
77WM110G	N	N	15	30	30	50	N	N	5	20	N	20	N	700	200

Table 3. Geochemical data for rocks--continued

sample	S-W	S-Y	S-ZN	S-ZR	AA-ZN-P	SI-F
77SL086G	N	N	300	N	200	--
77SL087G	N	N	1,500	<10	800	--
77SL088G	N	20	N	150	30	--
77SM105G	N	20	N	70	30	--
77SM029G	N	20	N	70	10	--
77SA023G	N	20	N	70	80	--
77DT121G	N	30	N	200	120	--
77DT122G	N	30	N	150	100	--
77DT123G	N	30	N	150	60	--
77DT124G	N	50	N	150	90	--
77DT125G	N	50	N	150	100	--
77DT130G	N	50	N	150	100	--
77DT131G	N	30	N	150	100	--
77DT132G	N	70	N	200	160	--
77DT133G	N	30	N	200	70	--
77DT134G	N	30	N	150	130	--
77DT136G	N	30	N	200	120	--
77DT138G	N	30	N	150	110	--
77DT142G	N	30	N	150	140	--
77DT147G	N	30	N	150	140	--
77DT148G	N	50	N	200	120	--
77DT149G	N	30	N	150	90	--
77DT150G	N	30	N	150	100	--
77DT151G	N	30	N	100	80	--
77DT152G	N	30	N	100	90	--
77DT153G	N	20	N	100	80	--
77DT155G	N	20	200	100	160	--
77DT156G	N	30	N	150	70	--
77DT157G	N	20	N	150	130	--
77DT158G	N	20	N	150	100	--
77SL090G	N	30	N	100	30	--
77SL091G	N	150	N	200	30	3,700
77SL092G	N	150	<200	200	60	7,600
77SL093G	N	200	N	300	40	1,500
77SL094G	N	150	N	100	60	3,000
77SL096G	N	50	N	150	40	1,400
77SL097G	N	150	N	100	10	4,900
77SL098G	N	50	N	150	60	940
77SL099G	N	10	N	70	120	210
77SL100G	N	N	500	10	300	--
77DT159G	N	15	1,500	100	920	--
77SM106G	N	30	N	100	70	--
77SM107G	N	10	N	150	30	--
77SM108G	N	20	N	200	50	--
77SM110G	N	30	N	150	90	--

Table 3. Geochemical data for rocks--continued

sample	LATITUDE	LONGITUD	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE
77.M111G	46 24 51	111 53 18	15.00	.20	.30	.500	300	10.0	>10,000	N	150	150	1.0
77[illegible]131G	46 15 36	111 57 47	10.00	1.50	5.00	.700	700	N	N	N	10	1,500	<1.0
77BG132G	46 15 38	111 57 47	10.00	1.50	5.00	.700	700	N	N	N	10	1,500	<1.0
77BG133G	46 15 39	111 57 51	10.00	1.50	3.00	.700	700	1.0	N	N	200	1,500	1.0
77BG134G	46 15 42	111 57 55	10.00	1.50	2.00	.700	300	N	N	N	20	2,000	<1.0
77BG135G	46 15 43	111 57 59	15.00	5.00	7.00	.500	1,000	N	N	N	<10	1,000	<1.0
77BG136G	46 15 44	111 58 5	15.00	2.00	1.00	.700	700	<.5	N	N	100	2,000	<1.0
77BG137G	46 15 44	111 58 5	7.00	1.50	2.00	.500	700	N	N	N	20	1,000	<1.0
77BG138G	46 15 42	111 58 14	10.00	2.00	5.00	.700	700	N	N	N	15	1,500	<1.0
77BG139G	46 15 42	111 58 19	2.00	.20	3.00	.500	100	N	N	N	10	1,500	1.0
77BG140G	46 15 44	111 58 20	10.00	2.00	7.00	.700	1,000	<.5	N	N	10	2,000	1.0
77BG141G	46 15 41	111 58 47	10.00	1.50	3.00	.500	1,000	.7	N	N	20	1,500	<1.0
77BG142G	46 15 33	111 58 55	5.00	1.50	3.00	.500	500	N	N	N	10	1,500	<1.0
77BG143G	46 15 37	111 58 20	5.00	1.50	2.00	.700	700	<.5	N	N	100	1,000	1.0
77BG144G	46 15 37	111 58 18	7.00	.30	2.00	.700	300	.5	N	N	15	1,500	<1.0
77BG145G	46 15 38	111 58 17	5.00	.15	1.50	.500	200	N	N	N	20	1,000	<1.0
77BG146G	46 15 35	111 57 47	7.00	2.00	3.00	.700	500	N	N	N	10	1,500	<1.0
77BG147G	46 18 34	111 56 13	1.00	.10	.50	.150	200	N	N	N	50	100	3.0
77BG148G	46 18 35	111 55 37	5.00	.70	5.00	.700	300	N	N	N	10	1,000	1.0
77BG149G	46 18 24	111 55 35	10.00	1.00	2.00	.500	100	N	N	N	50	1,500	<1.0
77BG150G	46 18 21	111 55 32	5.00	1.00	5.00	.700	500	N	N	N	20	1,000	1.5
77BG152G	46 18 21	111 55 32	10.00	.70	15.00	.030	>5,000	N	N	N	>2,000	30	<1.0
77SL101G	46 47 26	111 48 39	3.00	.20	.50	.200	1,500	<.5	N	N	200	1,000	3.0
77SL102G	46 47 48	111 48 11	2.00	.50	2.00	.200	500	N	N	N	30	2,000	1.5
77SL103G	46 48 14	111 48 11	5.00	1.00	3.00	.300	700	N	N	N	10	2,000	1.0
77SL105G	46 24 11	111 52 27	5.00	.50	.50	.500	1,000	5.0	700	N	200	1,000	2.0
77SL106G	46 24 19	111 52 5	2.00	.30	1.00	.500	300	N	N	N	100	1,500	1.0
77SL107G	46 24 24	111 52 11	2.00	.30	3.00	.500	500	N	N	N	50	2,000	2.0
77SL108G	46 24 24	111 52 14	10.00	1.00	3.00	.700	500	N	N	N	100	1,500	<1.0
77SL109G	46 24 25	111 52 17	3.00	1.50	3.00	.500	500	N	N	N	20	700	1.0
77SL110G	46 24 16	111 53 11	7.00	2.00	5.00	.500	500	N	N	N	30	1,000	1.0
77SL111G	46 24 21	111 53 18	7.00	2.00	5.00	.700	700	N	N	N	20	700	1.0
77SL112G	46 24 26	111 53 43	7.00	2.00	5.00	.500	500	N	N	N	10	700	1.0
77SL113G	46 24 39	111 54 17	2.00	.50	.70	.200	300	1.0	N	N	50	700	1.5
77BG274G	46 18 23	111 55 40	5.00	1.00	1.50	.300	500	N	N	N	20	700	2.0
77BG275G	46 18 23	111 55 40	5.00	.70	15.00	.300	700	N	N	N	100	700	2.0
77BG276G	46 18 23	111 55 40	3.00	.50	3.00	.300	200	N	N	N	15	700	2.0
77BG277G	46 18 23	111 55 40	2.00	.30	2.00	.300	150	N	N	N	20	500	2.0
77BG278G	46 18 23	111 55 40	2.00	1.50	>20.00	.100	3,000	N	N	N	15	<20	N
77BG279G	46 18 23	111 55 40	1.00	.30	20.00	.005	300	N	N	N	10	30	N
77BG280G	46 18 24	111 55 28	.50	1.00	>20.00	.015	200	N	N	N	15	20	N
77BG281G	46 18 24	111 55 28	1.00	1.00	>20.00	.015	300	N	N	N	N	<20	N
77BG282G	46 18 24	111 55 28	3.00	1.50	15.00	.300	150	N	N	N	15	1,000	<1.0
77BG283G	46 18 17	111 55 37	7.00	1.00	3.00	.500	300	N	N	N	10	700	1.5
77BG284G	46 18 17	111 55 37	5.00	1.00	3.00	.300	500	N	N	N	<10	700	1.5

Table 3. Geochemical data for rocks--continued

sample	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V
77WM1116	N	N	30	15	100	20	<5	N	5	1,500	100	7	N	N	70
77BG1316	N	N	15	50	20	30	N	<20	5	30	N	20	N	700	300
77BG1326	N	N	15	50	20	30	N	N	5	20	N	20	N	700	200
77BG1336	N	N	20	50	30	30	N	N	7	20	N	20	N	500	300
77BG1346	N	N	7	20	20	50	N	20	20	50	N	15	N	700	150
77BG1356	N	N	50	700	70	20	N	N	100	20	N	20	N	700	200
77BG1366	N	N	7	500	50	30	N	N	30	20	N	20	N	500	200
77BG1376	N	N	10	150	20	20	N	N	50	20	N	15	N	700	150
77BG1386	N	N	20	150	50	50	N	N	50	20	N	15	N	500	200
77BG1396	N	N	5	10	10	30	N	N	7	30	N	<5	N	1,000	70
77BG1406	N	N	15	200	5	50	N	N	50	70	N	20	N	1,000	200
77BG1416	N	N	20	100	70	50	N	N	20	150	N	15	N	700	150
77BG1426	N	N	15	50	7	50	N	N	15	50	N	15	N	500	150
77BG1436	N	N	15	150	50	50	N	N	30	30	N	20	N	300	200
77BG1446	N	N	15	100	30	30	5	N	20	15	N	20	N	700	200
77BG1456	N	N	10	20	7	50	<5	N	7	20	N	15	N	700	150
77BG1466	N	N	10	30	20	50	N	N	10	20	N	15	N	700	200
77BG1476	N	N	N	N	5	20	N	20	<5	30	N	N	N	N	N
77BG1486	N	N	15	10	15	50	N	N	5	50	N	15	N	700	300
77BG1496	N	N	10	150	30	20	N	N	15	30	N	20	N	300	200
77BG1506	N	N	10	30	15	50	N	N	7	30	N	15	N	1,000	150
77BG1526	N	N	N	N	50	N	N	N	5	10	N	N	30	200	100
77SL1116	N	N	7	10	20	50	N	<20	5	20	N	5	N	300	70
77SL1026	N	N	5	10	10	30	N	N	<5	50	N	5	N	700	50
77SL1036	N	N	10	<10	20	70	N	N	<5	20	N	5	N	1,500	100
77SL1056	N	N	5	30	70	50	7	<20	7	3,000	N	15	N	100	150
77SL1066	N	N	5	<10	<5	70	N	N	<5	50	N	7	N	500	70
77SL1076	N	N	<5	10	N	70	N	N	<5	30	N	10	N	700	70
77SL1086	N	N	20	70	70	20	10	N	15	10	N	20	N	300	300
77SL1096	N	N	20	30	30	30	N	N	15	30	N	15	N	500	150
77SL1106	N	N	20	50	50	50	N	N	20	30	N	20	N	700	200
77SL1116	N	N	20	50	50	70	N	N	20	30	N	20	N	700	200
77SL1126	N	N	20	50	30	30	N	N	20	30	N	20	N	700	200
77SL1136	N	N	5	10	30	150	N	<20	5	50	N	7	N	300	70
77BG2746	N	N	10	N	5	50	N	<20	<5	20	N	10	N	500	100
77BG2756	N	N	15	20	10	70	N	N	15	30	N	15	N	1,000	200
77BG2766	N	N	10	20	5	50	N	<20	10	20	N	15	N	700	200
77BG2776	N	N	15	20	7	20	N	N	20	30	N	10	N	700	150
77BG2786	N	N	5	N	5	N	N	N	<5	N	N	<5	N	700	30
77BG2796	N	N	N	N	<5	N	N	N	N	N	N	N	N	500	<10
77BG2806	N	N	5	N	<5	N	N	N	<5	N	N	N	N	700	20
77BG2816	N	N	N	N	5	N	7	N	10	N	N	N	N	700	20
77BG2826	N	N	5	30	7	50	N	N	10	<10	N	15	N	700	100
77BG2836	N	N	10	50	<5	50	N	<20	7	15	N	15	N	700	200
77BG2846	N	N	15	N	20	50	N	<20	7	10	N	15	N	700	200

Table 3. Geochemical data for rocks--continued

sample	S-W	S-Y	S-ZN	S-ZR	AA-ZN-P	SI-F
77[illegible]111G	N	15	5,000	70	2,800	--
77BG131G	N	30	N	200	70	--
77BG132G	N	30	N	200	70	--
77BG133G	N	20	<200	200	140	--
77BG134G	N	30	N	300	50	--
77BG135G	N	20	N	100	70	--
77BG136G	N	20	N	200	40	--
77BG137G	N	15	N	100	50	--
77BG138G	N	30	N	200	50	--
77BG139G	N	<10	N	150	20	--
77BG140G	N	30	N	150	60	--
77BG141G	N	30	N	200	70	--
77BG142G	N	30	N	200	50	--
77BG143G	N	30	N	200	60	--
77BG144G	N	20	N	150	30	--
77BG145G	N	20	N	100	20	--
77BG146G	N	20	N	150	80	--
77BG147G	N	N	N	<10	20	--
77BG148G	N	20	N	100	50	--
77BG149G	N	<10	N	70	60	--
77BG150G	N	30	N	200	60	--
77BG152G	N	N	500	10	40	--
77SL101G	N	10	N	150	30	350
77SL102G	N	15	N	100	70	460
77SL103G	N	20	N	150	30	--
77SL105G	N	30	1,000	200	920	--
77SL106G	N	30	N	200	30	--
77SL107G	N	50	N	200	50	--
77SL108G	N	30	<200	100	90	--
77SL109G	N	20	N	100	50	--
77SL110G	N	20	N	100	50	--
77SL111G	N	30	N	100	40	--
77SL112G	N	30	N	100	40	--
77SL113G	N	20	N	100	30	--
77BG274G	N	20	N	150	--	--
77BG275G	N	30	N	150	--	--
77BG276G	N	20	N	150	--	--
77BG277G	N	10	N	150	--	--
77BG278G	N	10	N	20	--	--
77BG279G	N	N	N	N	--	--
77BG280G	N	N	N	20	--	--
77BG281G	N	N	N	N	--	--
77BG282G	N	20	N	100	--	--
77BG283G	N	30	N	150	--	--
77BG284G	N	30	N	150	--	--

Table 3. Geochemical data for rocks--continued

sample	LATITUDE	LONGITUD	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE
77BG285G	46 18 19	111 55 22	10.00	1.50	20.00	.150	5,000	N	N	N	30	50	<1.0
77BG286G	46 18 19	111 55 22	3.00	1.50	5.00	.200	300	N	N	N	10	700	1.0
77BG287G	46 18 19	111 55 22	7.00	.70	3.00	.300	500	.5	N	N	10	1,000	1.0
77BG288G	46 18 33	111 55 28	20.00	.70	10.00	.150	5,000	1.0	300	N	200	N	3.0
77BG290G	46 18 23	111 55 23	7.00	2.00	5.00	.200	700	N	N	N	<10	300	N
77BG291G	46 18 21	111 55 19	7.00	3.00	5.00	.200	700	N	N	N	<10	700	<1.0
77BG292G	46 18 17	111 55 2	5.00	2.00	3.00	.200	700	N	N	N	<10	700	<1.0
77BG293G	46 18 28	111 55 13	7.00	2.00	3.00	.300	500	N	N	N	10	700	<1.0
77BG294G	46 18 29	111 55 11	10.00	2.00	3.00	.300	700	N	N	N	<10	500	<1.0
77BG297G	46 18 10	111 54 29	10.00	1.50	3.00	.300	700	N	N	N	10	500	1.0
77BG298G	46 18 8	111 54 29	10.00	2.00	5.00	.500	700	N	N	N	<10	700	<1.0
77BG300G	46 18 8	111 54 23	10.00	1.00	1.50	.300	500	N	N	N	15	1,000	1.5
77BG303G	46 18 6	111 54 10	5.00	1.00	2.00	.300	500	N	N	N	20	700	1.0
77BG305G	46 18 2	111 54 11	5.00	1.50	1.50	.300	500	N	N	N	15	1,000	1.5
77BG307G	46 17 53	111 54 16	7.00	5.00	5.00	.300	1,000	N	N	N	15	700	<1.0
77EB050G	46 15 44	111 54 17	5.00	1.50	3.00	.300	500	N	N	N	<10	1,000	<1.0
77EB052G	46 15 47	111 54 14	5.00	1.50	3.00	.300	1,000	N	N	N	10	700	1.0
77EB054G	46 15 50	111 54 7	5.00	.50	3.00	.500	700	N	N	N	20	1,500	1.5
77EB055G	46 15 53	111 54 3	5.00	1.00	3.00	.500	700	N	N	N	<10	700	2.0
77EB056G	46 15 56	111 54 2	2.00	.05	.07	.030	200	N	N	N	10	70	1.5
77EB057G	46 15 56	111 54 2	5.00	.50	2.00	.500	500	N	N	N	20	1,500	1.5
77EB058G	46 15 56	111 53 58	3.00	1.00	2.00	.300	700	N	N	N	10	1,000	1.0
77EB059G	46 16 6	111 53 35	7.00	2.00	3.00	.500	1,000	N	N	N	<10	700	1.0
77EB060G	46 16 9	111 53 29	5.00	3.00	2.00	.300	700	N	N	N	<10	700	1.0
77EB061G	46 16 9	111 53 29	5.00	3.00	1.50	.300	300	N	N	N	<10	700	<1.0
77EB062G	46 16 11	111 53 21	5.00	2.00	2.00	.200	500	N	N	N	<10	500	1.0
77EB063G	46 16 14	111 53 23	7.00	2.00	3.00	.300	1,000	N	N	N	<10	700	<1.0
77EB064G	46 16 17	111 53 20	3.00	1.00	2.00	.200	700	N	N	N	<10	700	1.0
77EB065G	46 16 18	111 53 18	3.00	1.00	2.00	.300	500	N	N	N	10	1,500	2.0
77EB066G	46 16 18	111 53 17	5.00	.50	1.50	.300	700	N	N	N	<10	300	1.5
77DT301G	46 17 12	111 55 5	5.00	1.00	3.00	.500	300	N	N	N	<10	700	1.5
77DT302G	46 17 16	111 55 0	5.00	1.00	3.00	.500	500	N	N	N	<10	1,000	1.5
77DT303G	46 17 21	111 54 57	5.00	1.00	2.00	.300	500	N	N	N	10	700	1.5
77DT304G	46 17 21	111 54 57	7.00	1.00	5.00	.300	500	N	N	N	<10	700	1.0
77DT305G	46 17 22	111 54 51	5.00	1.50	10.00	.300	1,000	N	N	N	<10	700	1.0
77DT306G	46 17 23	111 54 47	7.00	2.00	5.00	.300	700	N	N	N	<10	700	1.0
77DT307G	46 17 26	111 54 34	5.00	1.50	2.00	.300	700	N	N	N	<10	700	<1.0
77DT308G	46 17 17	111 55 0	5.00	.70	5.00	.500	300	N	N	N	<10	1,000	1.0
77BG312G	46 16 38	112 2 32	7.00	1.50	3.00	.500	1,000	N	N	N	15	1,500	1.0
77BG313G	46 16 38	112 2 32	7.00	3.00	1.50	.300	1,000	N	N	N	<10	700	<1.0
77LA[illegible]09G	46 18 29	111 42 32	7.00	3.00	5.00	.300	700	N	N	N	10	500	<1.0
77LA[illegible]20G	46 17 26	111 47 14	7.00	1.50	.20	.500	1,500	N	N	N	30	500	3.0
77LA[illegible]21G	46 17 34	111 47 25	.15	.05	.05	.015	50	N	N	N	<10	>5,000	N
77LA[illegible]22G	46 18 15	111 47 41	5.00	1.50	.07	.200	150	N	N	N	30	700	2.0
77LA[illegible]23G	46 18 15	111 47 40	10.00	7.00	5.00	.200	700	N	N	N	<10	700	<1.0

Table 3. Geochemical data for rocks--continued

sample	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V
77eG285G	10	N	15	300	7	N	N	N	70	30	N	15	N	100	150
77eG286G	N	N	20	200	5	50	N	N	70	10	N	15	N	1,000	150
77eG287G	N	N	15	300	50	20	N	N	70	50	N	15	N	700	150
77eG288G	N	20	100	70	15,000	50	N	N	150	N	100	15	N	N	100
77eG289G	N	N	50	500	70	<20	N	N	150	20	N	15	N	700	200
77eG291G	N	N	30	500	50	<20	N	N	150	10	N	20	N	1,000	200
77eG292G	N	N	15	100	50	20	N	N	50	20	N	10	N	700	150
77eG293G	N	N	15	100	10	20	N	N	30	20	N	10	N	1,000	150
77eG294G	N	N	20	300	15	<20	N	N	70	20	N	15	N	700	200
77eG297G	N	N	15	150	7	20	N	N	20	30	N	15	N	700	200
77eG298G	N	N	15	20	5	20	<5	<20	5	20	N	20	N	700	200
77eG300G	N	N	30	150	50	20	N	N	50	20	N	15	N	500	150
77eG303G	N	N	15	N	7	50	N	<20	5	20	N	10	N	700	100
77eG305G	N	N	20	100	30	20	N	N	70	20	N	15	N	500	150
77eG307G	N	N	50	700	150	20	N	N	150	30	N	20	N	1,000	200
77eH050G	N	N	30	150	50	50	N	N	30	20	N	15	N	1,000	200
77eH052G	N	N	20	N	10	50	7	N	7	20	N	15	N	1,000	200
77eH054G	N	N	7	N	7	70	N	<20	<5	500	N	15	N	700	200
77eH055G	N	N	15	N	15	70	N	N	5	30	N	15	N	700	200
77eH056G	N	N	15	N	7	N	N	N	5	10	N	<5	N	N	70
77eH057G	N	N	10	N	<5	50	N	<20	<5	10	N	15	N	700	200
77eH058G	N	N	10	N	10	50	N	<20	<5	20	N	15	N	700	150
77eH059G	N	N	15	50	30	30	N	<20	10	15	N	15	N	1,000	200
77eH060G	N	N	20	200	5	<20	N	N	70	20	N	15	N	700	200
77eH061G	N	N	30	500	7	<20	N	N	100	20	N	15	N	500	200
77eH062G	N	N	30	300	30	<20	N	N	100	20	N	15	N	700	200
77eH063G	N	N	20	200	30	<20	N	N	50	20	N	15	N	700	200
77eH064G	N	N	15	150	15	<20	N	N	30	20	N	10	N	700	150
77eH065G	N	N	7	N	20	50	N	<20	7	30	N	15	N	700	150
77eH066G	N	N	7	70	20	20	N	N	10	30	N	15	N	700	150
77eT301G	N	N	10	70	7	50	N	N	10	15	N	15	N	500	200
77eT302G	N	N	10	N	<5	50	N	<20	5	30	N	15	N	700	200
77eT303G	N	N	10	N	20	50	N	<20	5	20	N	15	N	700	150
77eT304G	N	N	10	N	10	30	N	N	7	20	N	15	N	700	200
77eT305G	N	N	15	70	20	30	N	N	30	15	N	15	N	700	150
77eT306G	N	N	20	300	7	20	N	N	100	10	N	20	N	1,000	200
77eT307G	N	N	10	50	7	50	N	N	10	20	N	15	N	700	200
77eT308G	N	N	7	N	5	50	N	N	5	30	N	15	N	1,000	200
77eG312G	N	N	15	50	30	100	N	N	20	20	N	15	N	1,000	200
77eG313G	N	N	20	500	50	<20	N	N	150	50	N	20	N	500	200
77eA069G	N	N	20	300	50	20	N	N	70	<10	N	20	N	700	200
77eA070G	N	N	15	150	N	50	N	<20	70	30	N	20	N	300	200
77eA071G	N	N	N	N	N	N	N	N	5	20	N	N	N	1,000	N
77eA072G	N	N	10	100	20	50	N	<20	30	15	N	15	N	N	200
77eA073G	N	N	50	1,000	70	N	N	N	5	10	N	20	N	500	200

Table 3. Geochemical data for rocks--continued

sample	S-W	S-Y	S-ZN	S-ZR	AA-ZN-P	SI-F
77BG285G	N	20	<200	50	--	--
77BG286G	N	20	N	150	--	--
77BG287G	N	20	300	100	--	--
77BG288G	N	20	2,000	70	--	--
77BG290G	N	20	N	70	--	--
77BG291G	N	20	N	70	--	--
77BG292G	N	20	N	100	--	--
77BG293G	N	15	N	100	--	--
77BG294G	N	20	N	70	--	--
77BG297G	N	20	N	150	--	--
77BG298G	N	30	N	150	--	--
77BG300G	N	20	N	150	--	--
77BG303G	N	20	N	150	--	--
77BG305G	N	20	N	150	--	--
77BG307G	N	20	N	100	--	--
77EB050G	N	20	N	150	--	--
77EB052G	N	20	N	150	--	--
77EB054G	N	30	N	150	--	--
77EB055G	N	20	N	150	--	--
77EB056G	N	N	N	150	--	--
77EB057G	N	30	N	150	--	--
77EB058G	N	30	N	150	--	--
77EB059G	N	30	N	150	--	--
77EB060G	N	20	N	100	--	--
77EB061G	N	10	N	100	--	--
77EB062G	N	10	N	70	--	--
77EB063G	N	20	N	70	--	--
77EB064G	N	10	N	70	--	--
77EB065G	N	30	N	200	--	--
77EB066G	N	30	N	150	--	--
77DT301G	N	30	N	200	--	--
77DT302G	N	30	N	200	--	--
77DT303G	N	30	N	150	--	--
77DT304G	N	20	N	150	--	--
77DT305G	N	20	N	150	--	--
77DT306G	N	20	N	100	--	--
77DT307G	N	20	N	100	--	--
77DT308G	N	20	N	150	--	--
77BG312G	N	20	N	150	--	--
77BG313G	N	15	N	150	--	--
77LA069G	N	20	N	150	--	--
77LA070G	N	20	300	150	--	--
77LA071G	N	N	N	N	--	--
77LA072G	N	30	N	200	--	--
77LA073G	N	10	N	70	--	--

Table 3. Geochemical data for rocks--continued

sample	LATITUDE	LONGITUD	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE
77LA074G	46 18 15	111 47 35	2.00	.30	.20	.150	200	N	N	N	20	500	3.0
77LA075G	46 18 11	111 47 30	5.00	.50	.50	.300	200	N	N	N	30	1,000	3.0
77LA076G	46 15 17	111 43 23	2.00	2.00	15.00	.150	500	N	N	N	20	500	2.0
77LA077G	46 17 57	111 54 11	2.00	1.00	2.00	.150	500	N	N	N	15	700	3.0
77LA078G	46 16 0	112 1 29	3.00	1.50	3.00	.200	500	N	N	N	20	700	2.0
77LA079G	46 25 11	111 51 55	3.00	1.50	3.00	.200	500	N	N	N	20	700	2.0
77LA080G	46 25 13	111 51 47	10.00	2.00	7.00	.300	1,000	N	N	N	10	700	1.0
77LA081G	46 25 27	111 54 55	1.50	.05	.07	.020	200	N	N	N	<10	N	10.0
77SL164G	46 15 51	111 57 3	15.00	.20	.05	.070	300	7.0	>10,000	N	500	200	5.0
77SL165G	46 18 42	111 58 36	3.00	.70	2.00	.200	500	N	500	N	15	500	2.0
77SL166G	46 18 10	111 58 6	5.00	1.00	2.00	.300	500	N	N	N	10	700	1.0
77SL167G	46 17 40	111 57 41	2.00	1.00	2.00	.200	300	N	N	N	15	700	2.0
77SL168G	46 24 17	111 42 16	3.00	1.50	5.00	.300	700	N	N	N	<10	1,500	1.0
77SL169G	46 24 17	111 42 16	.20	.05	.15	.030	50	N	N	N	<10	500	1.0
77SL170G	46 24 23	111 42 23	5.00	1.50	7.00	.200	1,000	N	N	N	<10	700	<1.0
77SL171G	46 24 20	111 42 56	10.00	.07	.10	.030	500	3.0	700	10	<10	100	<1.0
77SL172G	46 24 20	111 42 56	7.00	1.50	2.00	.300	700	N	N	N	10	500	1.0
77SL173G	46 24 14	111 42 57	2.00	.70	1.00	.150	500	N	N	N	<10	1,500	2.0
77SL174G	46 24 28	111 42 51	2.00	.70	2.00	.300	300	N	N	N	<10	1,000	2.0
77SL175G	46 24 8	111 42 51	2.00	.50	2.00	.100	500	N	N	N	<10	1,500	2.0
77SL176G	46 24 2	111 43 8	2.00	.05	.05	.030	100	70.0	1,000	N	<10	300	<1.0
77SL177G	46 24 2	111 43 8	2.00	.30	2.00	.100	500	N	N	N	<10	1,000	3.0
77SL178G	46 23 57	111 43 6	20.00	<.02	.15	.007	200	300.0	>10,000	20	<10	<20	N
77SL179G	46 23 57	111 43 6	3.00	.30	1.00	.100	500	3.0	500	N	15	700	3.0
77SL180G	46 23 56	111 42 56	3.00	.30	2.00	.100	500	1.0	N	N	<10	1,000	3.0
77SL181G	46 23 17	111 43 32	7.00	<.02	.05	N	2,000	200.0	1,500	N	<10	N	N
77SL182G	46 23 38	111 43 10	5.00	.20	.10	.100	>5,000	10.0	500	N	50	150	2.0
77SL183G	46 23 38	111 43 10	2.00	.30	3.00	.100	700	1.0	N	N	<10	1,500	2.0
77SL184G	46 23 26	111 43 1	1.00	.02	<.05	N	30	150.0	1,000	N	<10	70	N
77SL185G	46 23 26	111 42 56	2.00	.30	2.00	.100	700	1.0	N	N	<10	1,000	2.0
77SL186G	46 23 35	111 42 32	7.00	1.50	1.50	.300	2,000	7.0	500	N	15	500	1.5
77SL187G	46 23 44	111 42 47	15.00	.15	<.05	.050	>5,000	1,000.0	1,500	10	20	150	2.0
77SL188G	46 23 44	111 42 47	1.50	.50	2.00	.020	500	1.5	N	N	<10	1,000	3.0
77SL189G	46 23 30	111 42 48	3.00	.07	<.05	.070	200	>5,000.0	1,500	<10	15	100	1.0
77SL190G	46 23 29	111 42 51	1.00	.30	1.50	.100	300	30.0	N	N	<10	700	3.0
77SL191G	46 24 15	111 41 36	10.00	1.50	3.00	.300	1,500	15.0	500	N	10	700	1.0
77SL192G	46 24 15	111 41 36	20.00	.10	.20	.070	5,000	500.0	>10,000	<10	15	100	<1.0
77SL193G	46 24 2	111 42 6	5.00	1.50	5.00	.300	300	3.0	N	N	<10	700	1.0
77SL194G	46 23 57	111 42 24	2.00	.30	1.50	.100	2,000	5.0	200	N	30	1,000	2.0
77SL195G	46 24 8	111 42 26	1.50	.20	1.50	.100	300	1.0	N	N	<10	1,000	2.0
77SL196G	46 24 11	111 42 29	1.00	.20	1.50	.150	200	.5	N	N	<10	1,000	2.0
77SL197G	46 24 11	111 42 19	1.00	.20	2.00	.150	150	N	N	N	<10	1,500	1.5
77SL198G	46 24 7	111 42 20	5.00	1.50	5.00	.300	500	N	N	N	<10	500	<1.0
77SL199G	46 24 24	111 41 57	5.00	1.50	7.00	.300	1,000	N	N	N	<10	500	1.0
77SL200G	46 24 20	111 42 6	1.00	.30	3.00	.100	150	N	N	N	<10	1,500	2.0

Table 3. Geochemical data for rocks--continued

sample	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V
77LA074G	N	N	5	N	5	N	N	<20	7	20	N	5	N	N	20
77LA075G	N	N	5	20	10	20	N	20	15	30	N	15	N	100	70
77LA076G	N	N	5	50	7	30	N	N	20	20	N	5	N	300	70
77LA077G	N	N	7	N	5	20	N	<20	7	20	N	7	N	300	100
77LA078G	N	N	10	20	20	20	N	N	10	20	N	10	N	500	150
77LA079G	N	N	10	20	20	30	N	N	10	20	N	10	N	300	150
77LA080G	N	N	20	N	5	30	N	N	<5	20	N	20	N	700	300
77LA081G	N	N	N	N	<5	N	N	70	<5	70	N	N	N	N	N
77SL164G	10	N	15	N	2,000	N	30	N	5	150	<100	N	N	N	50
77SL165G	N	N	10	N	20	20	N	<20	10	20	N	7	N	300	100
77SL166G	N	N	15	N	10	70	N	N	15	15	N	15	N	500	150
77SL167G	N	N	10	70	50	50	N	N	20	20	N	7	N	500	100
77SL168G	N	N	10	N	100	50	7	N	5	<10	N	10	N	700	150
77SL169G	N	N	N	N	5	N	N	N	5	10	N	N	N	300	<10
77SL170G	N	N	20	N	7	30	N	N	7	N	N	10	N	700	150
77SL171G	15	N	7	N	150	N	100	N	5	70	N	N	N	N	50
77SL172G	N	N	10	N	100	20	N	N	5	150	N	20	N	300	200
77SL173G	N	N	<5	N	N	50	N	N	5	20	N	<5	N	200	50
77SL174G	N	N	<5	N	10	70	N	N	5	<10	N	10	N	1,000	70
77SL175G	N	N	<5	N	<5	50	N	N	5	10	N	<5	N	1,000	70
77SL176G	>1,000	N	<5	N	150	N	20	N	5	700	<100	N	N	N	20
77SL177G	N	N	<5	N	7	70	N	N	5	20	N	<5	N	1,000	50
77SL178G	200	N	<5	N	3,000	N	5	N	N	>20,000	200	N	N	500	<10
77SL179G	N	N	<5	N	30	50	N	N	5	700	N	<5	N	700	50
77SL180G	N	N	<5	N	20	50	N	<20	5	200	N	<5	N	1,000	70
77SL181G	700	N	5	N	5,000	N	20	N	20	3,000	100	N	N	N	20
77SL182G	N	N	15	N	150	30	N	N	5	1,500	N	N	N	N	50
77SL183G	N	N	5	N	20	50	N	N	5	30	N	<5	N	1,000	50
77SL184G	150	N	N	N	2,000	N	N	N	5	300	N	N	N	N	10
77SL185G	N	N	<5	N	10	20	N	N	<5	20	N	<5	N	1,000	50
77SL186G	N	N	15	N	700	20	7	N	7	70	N	15	N	300	150
77SL187G	N	N	N	N	500	20	15	N	<5	>20,000	1,000	N	N	N	20
77SL188G	N	N	N	N	7	50	N	N	5	50	N	5	N	1,000	50
77SL189G	50	70	5	N	3,000	30	N	N	<5	>20,000	3,000	N	N	N	10
77SL190G	N	N	<5	N	20	20	N	N	<5	700	N	<5	N	1,000	30
77SL191G	N	N	20	N	500	50	N	N	7	1,000	N	15	N	700	200
77SL192G	100	N	10	70	7,000	20	5	N	<5	7,000	300	7	N	150	50
77SL193G	N	N	10	N	150	50	10	N	5	100	N	10	N	1,000	150
77SL194G	N	70	<5	N	30	50	N	N	5	100	N	<5	N	300	30
77SL195G	N	N	N	N	20	50	N	N	5	30	N	<5	N	1,000	50
77SL196G	N	N	N	N	30	50	N	N	5	30	N	5	N	1,000	50
77SL197G	N	N	N	N	30	50	N	N	5	15	N	<5	N	1,000	100
77SL198G	N	N	15	N	30	30	N	N	10	20	N	15	N	700	200
77SL199G	N	N	10	N	15	30	N	N	5	20	N	15	N	700	200
77SL200G	N	N	5	N	200	20	N	N	<5	15	N	<5	N	1,000	50

Table 3. Geochemical data for rocks--continued

sample	S-W	S-Y	S-ZN	S-ZR	AA-ZN-P	SI-F
77LA074G	N	15	N	200	--	--
77LA075G	N	20	N	200	--	--
77LA076G	N	20	N	150	--	--
77LA077G	N	20	N	150	--	--
77LA078G	N	20	N	200	--	--
77LA079G	N	20	N	100	--	--
77LA080G	N	20	N	150	--	--
77LA081G	N	30	N	150	--	--
77SL164G	N	<10	700	30	--	--
77SL165G	N	20	N	150	--	--
77SL166G	N	20	N	100	--	--
77SL167G	N	20	N	200	--	--
77SL168G	N	20	N	150	--	--
77SL169G	N	N	N	30	--	--
77SL170G	N	20	N	100	--	--
77SL171G	N	15	300	10	--	--
77SL172G	N	20	200	150	--	--
77SL173G	N	20	N	150	--	--
77SL174G	N	30	N	150	--	--
77SL175G	N	15	N	150	--	--
77SL176G	150	<10	N	20	--	--
77SL177G	N	20	N	150	--	--
77SL178G	N	20	1,500	N	--	--
77SL179G	N	15	N	100	--	--
77SL180G	N	20	N	150	--	570
77SL181G	N	N	1,000	N	--	--
77SL182G	N	10	1,500	70	--	--
77SL183G	N	20	N	100	--	--
77SL184G	N	N	N	N	--	--
77SL185G	N	10	N	100	--	--
77SL186G	N	20	N	100	--	--
77SL187G	N	15	1,500	30	--	--
77SL188G	N	20	N	70	--	420
77SL189G	N	15	5,000	70	--	210
77SL190G	N	10	N	100	--	--
77SL191G	N	30	1,500	150	--	--
77SL192G	N	15	2,000	30	--	--
77SL193G	N	30	N	150	--	--
77SL194G	N	10	3,000	100	--	--
77SL195G	N	10	N	100	--	--
77SL196G	N	10	N	50	--	330
77SL197G	N	15	N	70	--	--
77SL198G	N	20	N	150	--	1,100
77SL199G	N	20	N	100	--	--
77SL200G	N	10	N	70	--	330

Table 3. Geochemical data for rocks--continued

sample	LATITUDE	LONGITUD	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE
77SL201G	46 24 47	111 41 52	1.50	.50	5.00	.200	200	N	N	N	<10	1,500	3.0
77SL202G	46 25 27	111 54 52	15.00	.03	.15	.010	20	10.0	2,000	N	<10	N	<1.0
77SL203G	46 28 29	111 53 17	2.00	.70	.70	.150	300	N	N	N	15	700	3.0
77SL204G	46 28 22	111 48 57	1.00	.15	.50	.070	30	N	N	N	<10	1,500	3.0
77SL205G	46 28 19	111 48 45	2.00	.15	.50	.150	70	N	N	N	<10	1,500	3.0
77SL206G	46 18 20	111 55 44	3.00	1.50	20.00	.200	100	N	N	N	10	1,000	<1.0
77SL207G	46 17 49	111 54 15	10.00	2.00	7.00	.300	1,000	1.0	N	N	10	300	1.0
77SL208G	46 16 50	111 54 7	5.00	1.00	2.00	.500	700	N	N	N	10	700	1.5
77SL114G	46 25 24	111 53 12	2.00	.50	1.00	.200	2,000	1.0	N	N	100	200	2.0
77SL115G	46 25 24	111 53 12	5.00	2.00	3.00	.500	1,000	N	N	N	20	1,000	1.0
77SL116G	46 25 22	111 53 3	3.00	1.50	2.00	.500	700	N	N	N	20	700	1.5
77SL117G	46 25 14	111 53 26	1.00	.70	.50	.015	300	<.5	N	N	20	N	7.0
77SL119G	46 25 14	111 53 20	.70	.05	<.05	.030	500	1.0	N	N	20	100	10.0
77SL120G	46 23 35	111 57 28	3.00	1.50	2.00	.300	500	N	N	N	10	700	2.0
77SL121G	46 22 50	111 57 25	5.00	2.00	3.00	.500	500	N	N	N	15	1,500	<1.0
77SL122G	46 22 42	111 57 38	3.00	1.50	3.00	.300	500	N	N	N	15	2,000	1.0
77SL123G	46 23 9	111 57 38	1.00	.10	.50	.100	150	<.5	N	N	15	300	<1.0
77SL124G	46 23 9	111 57 38	7.00	2.00	3.00	.500	1,000	N	N	N	10	1,000	<1.0
77SL125G	46 24 2	111 57 24	.70	.02	.70	.070	20	N	N	N	20	500	3.0
77SL126G	46 24 2	111 57 24	.20	.03	.50	.070	50	N	N	N	20	700	2.0
77SL127G	46 24 2	111 57 16	.30	.03	.70	.070	100	N	N	N	20	200	2.0
77SL128G	46 24 21	111 57 7	1.00	.05	.70	.070	30	N	N	N	30	150	5.0
77SL129G	46 24 30	111 56 41	3.00	1.50	3.00	.150	500	N	N	N	20	1,500	1.5
77FW001G	46 22 1	111 58 9	5.00	2.00	2.00	.500	700	N	N	N	15	1,500	<1.0
77FW002G	46 22 20	111 57 59	.70	.05	1.00	.100	100	N	N	N	15	200	3.0
77SL130G	46 20 56	112 1 17	1.50	.15	.70	.070	150	N	N	N	10	300	2.0
77SL131G	46 21 21	111 59 39	1.00	.05	.05	.050	10	.5	N	N	10	700	<1.0
77SL132G	46 21 10	111 59 48	5.00	.50	1.50	.200	200	N	N	N	10	1,500	1.0
77SL133G	46 21 2	111 59 57	5.00	.50	.10	.200	200	<.5	N	N	15	1,500	1.0
77SL134G	46 20 57	111 58 50	5.00	.30	.07	.300	30	.5	N	N	15	500	2.0
77SL135G	46 21 3	111 58 59	1.50	.20	.70	.150	100	<.5	N	N	10	500	2.0
77SL136G	46 20 44	111 59 39	1.50	.15	.07	.100	100	1.0	N	N	20	500	3.0
77SL137G	46 20 32	111 59 30	.70	.10	.15	.050	30	<.5	N	N	20	300	2.0
77SL138G	46 20 25	111 59 26	3.00	1.50	1.50	.500	700	N	N	N	15	1,500	1.0
77SL139G	46 20 30	111 59 27	3.00	.15	.10	.070	30	<.5	N	N	15	500	2.0
77SL140G	46 21 51	111 58 6	2.00	1.00	1.00	.200	500	N	N	N	10	300	3.0
77SL141G	46 20 44	111 58 47	2.00	1.00	1.50	.200	300	1.0	N	N	15	700	3.0
77SL142G	46 20 21	111 58 50	3.00	1.50	3.00	.300	500	N	N	N	20	1,000	1.5
77SL143G	46 20 23	111 58 45	3.00	1.00	2.00	.300	500	N	N	N	15	700	1.5
77SL144G	46 20 29	111 59 0	2.00	.70	1.50	.200	300	.5	N	N	10	500	2.0
77SL145G	46 20 29	111 58 45	2.00	1.00	1.50	.300	500	<.5	N	N	15	500	3.0
77SL146G	46 20 55	112 0 20	2.00	.70	1.00	.200	300	N	N	N	15	500	3.0
77SL147G	46 21 19	112 0 23	5.00	1.50	2.00	.500	500	N	N	N	10	1,000	<1.0
77SL148G	46 1 0	112 31 0	3.00	.70	.07	.500	150	10.0	N	N	50	1,500	<1.0
77SL149G	46 21 33	111 59 31	3.00	.50	.05	.200	30	N	N	N	20	700	1.0

Table 3. Geochemical data for rocks--continued

sample	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V
77SL201G	N	N	<5	N	500	70	N	<20	<5	20	N	5	N	1,500	150
77SL202G	20	N	15	N	200	N	N	N	10	300	N	N	N	N	<10
77SL203G	N	N	7	50	7	30	N	N	15	50	N	5	N	500	50
77SL204G	N	N	N	N	5	20	50	N	<5	20	N	<5	N	700	20
77SL205G	N	N	N	N	30	70	20	<20	<5	20	N	<5	N	700	30
77SL232G	N	N	5	N	15	30	N	N	10	<10	N	10	N	700	50
77SL238G	N	N	20	500	30	20	N	N	100	20	N	20	N	700	200
77SL253G	N	N	10	N	10	50	N	<20	5	30	N	15	N	700	150
77SL114G	N	N	<5	30	30	50	5	<20	7	200	N	7	N	N	70
77SL115G	N	N	20	30	15	50	N	<20	15	20	N	20	N	500	200
77SL116G	N	N	15	30	20	50	N	<20	10	30	N	15	N	500	100
77SL118G	N	N	N	<10	<5	N	N	70	<5	70	N	N	20	N	N
77SL119G	N	N	N	<10	<5	N	N	70	<5	70	N	N	20	<100	N
77SL120G	N	N	10	10	N	20	10	N	10	10	N	7	N	500	100
77SL121G	N	N	15	15	<5	50	N	<20	15	15	N	15	N	700	150
77SL122G	N	N	10	30	7	20	N	N	10	20	N	10	N	700	100
77SL123G	N	N	<5	<10	<5	70	N	N	5	30	N	N	N	200	20
77SL124G	N	N	15	20	50	30	N	N	10	20	N	15	<10	700	200
77SL125G	N	N	N	<10	<5	20	N	<20	<5	30	N	N	N	150	15
77SL126G	N	N	N	<10	<5	20	N	<20	5	30	N	N	N	200	10
77SL127G	N	N	N	<10	5	20	N	<20	5	30	N	N	N	100	10
77SL128G	N	N	<5	<10	N	20	N	<20	<5	30	N	N	N	100	10
77SL129G	N	N	10	15	10	50	N	N	10	20	N	15	N	1,000	100
77FA001G	N	N	15	15	10	30	N	N	15	30	N	15	N	700	150
77FA002G	N	N	<5	<10	<5	30	N	20	5	30	N	N	N	100	10
77SL130G	N	N	<5	10	15	50	N	<20	<5	20	N	N	N	200	50
77SL131G	N	N	N	<10	50	20	100	<20	<5	30	N	N	N	150	20
77SL132G	N	N	N	<10	70	30	20	N	<5	10	N	5	N	700	70
77SL133G	N	N	N	15	150	20	50	N	<5	30	N	7	N	300	70
77SL134G	N	N	N	20	100	30	500	<20	<5	<10	N	7	<10	150	100
77SL135G	N	N	N	15	50	30	10	<20	<5	20	N	5	N	300	50
77SL136G	10	N	N	<10	70	20	10	<20	<5	30	N	<5	10	200	15
77SL137G	N	N	N	<10	7	N	7	<20	<5	20	N	N	N	150	20
77SL138G	N	N	10	15	30	30	N	N	10	30	N	15	<10	500	100
77SL139G	N	N	N	<10	50	N	N	N	<5	30	N	N	<10	100	50
77SL140G	N	N	5	10	<5	30	N	N	5	30	N	7	N	300	70
77SL141G	N	N	<5	15	70	N	N	N	<5	30	N	7	N	300	70
77SL142G	N	N	10	20	10	70	N	N	10	15	N	15	N	500	150
77SL143G	N	N	7	15	5	50	N	N	7	30	N	10	N	300	70
77SL144G	N	N	<5	10	30	20	N	N	5	30	N	7	N	300	70
77SL145G	N	N	5	15	50	50	5	20	10	20	N	7	<10	300	100
77SL146G	N	N	5	15	10	50	N	<20	5	30	N	5	N	300	70
77SL147G	N	N	10	20	50	100	N	<20	15	15	N	10	<10	500	150
77SL148G	15	N	N	30	100	30	7	<20	<5	150	N	15	10	200	150
77SL149G	N	N	N	15	70	20	50	<20	<5	20	N	7	<10	150	150

Table 3. Geochemical data for rocks--continued

sample	S-W	S-Y	S-ZN	S-ZR	AA-ZN-P	SI-F
77SL201G	N	20	N	150	--	--
77SL202G	N	N	N	20	--	--
77SL203G	N	<10	N	100	--	--
77SL204G	N	N	N	100	--	--
77SL205G	N	<10	N	150	--	--
77BG282G	N	20	N	70	--	--
77BG305G	N	30	200	100	--	--
77BG353G	N	30	N	150	--	--
77SL114G	N	15	2,000	100	2,800	--
77SL115G	N	20	N	100	80	--
77SL116G	N	20	N	200	40	--
77SL118G	N	20	N	150	40	--
77SL119G	N	30	N	100	40	--
77SL120G	N	10	N	70	30	--
77SL121G	N	30	N	100	30	--
77SL122G	N	10	N	150	30	--
77SL123G	N	<10	N	70	10	--
77SL124G	N	15	N	70	50	--
77SL125G	N	<10	N	50	10	--
77SL126G	N	10	N	70	<10	--
77SL127G	N	10	N	70	<10	--
77SL128G	N	<10	N	70	<10	--
77SL129G	N	15	N	70	20	--
77SL201G	N	15	N	70	30	--
77SL202G	N	15	N	70	10	--
77SL130G	N	10	N	50	20	--
77SL131G	N	20	N	70	10	--
77SL132G	N	10	N	100	30	--
77SL133G	N	10	N	100	30	--
77SL134G	50	<10	N	70	20	--
77SL135G	N	20	N	100	20	--
77SL136G	<50	10	N	50	30	--
77SL137G	N	10	N	50	<10	--
77SL138G	N	20	N	70	90	--
77SL139G	N	10	N	70	40	--
77SL140G	N	30	N	100	30	--
77SL141G	N	10	N	150	50	--
77SL142G	N	30	N	150	40	--
77SL143G	N	20	N	70	60	--
77SL144G	<50	20	N	70	70	--
77SL145G	N	30	N	100	140	--
77SL146G	N	30	300	30	170	--
77SL147G	N	30	N	150	50	--
77SL148G	50	15	N	200	40	--
77SL149G	N	<10	N	70	<10	--

Table 3. Geochemical data for rocks--continued

sample	LATITUDE	LONGITUD	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE
77BG154G	46 19 23	111 53 12	10.00	7.00	5.00	.500	1,000	N	N	N	15	1,000	N
77BG155G	46 19 23	111 53 12	7.00	2.00	5.00	.500	500	N	N	N	20	1,000	<1.0
77BG156G	46 19 23	111 53 22	5.00	2.00	1.50	.700	3,000	15.0	N	N	50	500	1.0
77BG157G	46 19 23	111 53 22	10.00	5.00	7.00	.700	2,000	.7	N	N	10	1,000	<1.0
77BG159G	46 19 23	111 53 30	10.00	7.00	10.00	.700	2,000	N	N	N	10	700	<1.0
77BG160G	46 19 22	111 53 38	10.00	2.00	1.50	.700	>5,000	7.0	N	N	70	500	1.0
77BG161G	46 19 23	111 53 44	10.00	3.00	10.00	.700	2,000	N	N	N	10	1,000	<1.0
77BG162G	46 19 23	111 53 56	10.00	2.00	5.00	.500	500	N	N	N	30	700	1.5
77BG163G	46 19 20	111 54 3	10.00	3.00	7.00	.700	1,500	N	N	N	15	1,000	<1.0
77BG164G	46 19 20	111 54 8	10.00	2.00	5.00	.700	1,000	<.5	N	N	15	1,000	1.0
77BG165G	46 19 19	111 54 20	5.00	2.00	5.00	.500	500	N	N	N	100	1,500	<1.0
77BG166G	46 19 18	111 54 38	7.00	3.00	5.00	.700	700	N	N	N	20	1,500	<1.0
77BG167G	46 19 20	111 54 42	7.00	2.00	7.00	.300	500	N	N	N	30	1,000	<1.0
77BG168G	46 19 20	111 54 43	10.00	3.00	5.00	.700	700	N	N	N	15	1,500	1.0
77BG169G	46 19 26	111 54 48	10.00	3.00	7.00	.700	700	N	N	N	50	1,500	1.0
77BG170G	46 19 28	111 54 51	10.00	3.00	7.00	.700	700	N	N	N	70	1,500	<1.0
77BG171G	46 19 18	111 55 32	5.00	2.00	5.00	.700	700	N	N	N	30	1,500	1.0
77BG172G	46 19 18	111 55 32	7.00	3.00	5.00	.700	700	N	N	N	30	1,000	1.0
77BG174G	46 19 32	111 55 51	2.00	1.50	3.00	.500	500	N	N	N	50	1,000	1.5
77BG175G	46 19 24	111 55 42	2.00	1.50	1.50	.500	500	N	N	N	100	700	1.5
77BG176G	46 19 24	111 55 42	15.00	2.00	7.00	.700	2,000	N	N	N	<10	700	<1.0
77BG177G	46 18 53	111 52 11	5.00	2.00	3.00	.700	1,000	N	N	N	100	1,500	1.0
77BG178G	46 18 51	111 52 9	15.00	.10	.07	.150	100	100.0	5,000	<10	30	200	<1.0
77BG179G	46 18 51	111 52 9	3.00	.30	3.00	.700	300	.7	N	N	15	1,500	1.0
77BG181G	46 18 35	111 52 14	5.00	1.50	5.00	.500	1,000	N	N	N	15	1,500	1.0
77BG182G	46 18 10	111 51 55	3.00	1.50	3.00	.700	700	N	N	N	15	1,500	1.0
77BG183G	46 17 57	111 52 11	15.00	2.00	3.00	.700	700	N	N	N	15	1,000	<1.0
77BG186G	46 17 54	111 52 30	10.00	2.00	1.50	.700	1,000	N	N	N	15	700	<1.0
77BG189G	46 17 44	111 52 33	5.00	1.50	2.00	.700	1,000	N	N	N	20	1,000	1.0
77BG190G	46 17 36	111 52 42	7.00	2.00	2.00	.700	1,000	N	N	N	20	1,500	1.0
77BG194G	46 21 12	111 54 1	7.00	3.00	3.00	.700	1,000	N	N	N	70	1,000	1.0
77BG195G	46 21 14	111 54 5	20.00	.02	.30	.005	200	150.0	200	N	<10	N	N
77BG196G	46 21 10	111 54 8	5.00	2.00	2.00	.700	500	1.5	N	N	50	1,000	1.0
77BG198G	46 21 8	111 54 20	5.00	2.00	3.00	.700	700	N	N	N	70	1,000	1.0
77BG199G	46 21 8	111 54 20	2.00	.10	.20	.100	700	150.0	300	N	30	50	2.0
77BG200G	46 21 11	111 54 35	5.00	2.00	2.00	.700	500	1.0	N	N	70	1,000	<1.0
77BG201G	46 21 8	111 54 29	7.00	.20	.20	.050	700	200.0	N	N	50	20	1.0
77BG202G	46 27 6	111 44 40	7.00	2.00	5.00	.700	1,500	1.5	N	N	20	1,000	<1.0
77BG203G	46 26 57	111 44 36	10.00	2.00	3.00	1.000	1,000	N	N	N	10	1,500	<1.0
77BG204G	46 26 56	111 44 36	10.00	3.00	7.00	.700	1,500	N	N	N	20	500	<1.0
77BG206G	46 26 36	111 45 28	7.00	2.00	3.00	.700	1,000	N	N	N	10	1,000	<1.0
77BG209G	46 26 49	111 47 25	10.00	5.00	5.00	1.000	1,500	N	N	N	10	1,000	<1.0
77BG210G	46 26 49	111 47 25	10.00	5.00	5.00	.700	1,500	N	N	N	10	700	<1.0
77BG158G	46 19 19	111 53 30	1.50	.30	3.00	.300	300	>5,000.0	200	N	150	100	<1.0
77BG173G	46 19 22	111 55 44	20.00	1.00	2.00	.700	1,500	50.0	N	N	10	700	1.0

Table 3. Geochemical data for rocks--continued

sample	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V
77BG154G	N	N	50	1,500	70	N	N	N	700	30	N	20	N	700	200
77BG155G	N	N	10	50	5	20	N	N	15	20	N	15	N	1,000	150
77BG156G	N	N	50	1,000	700	N	N	N	200	2,000	N	20	N	200	150
77BG157G	N	N	30	1,500	70	<20	N	N	200	50	N	30	N	700	150
77BG159G	N	N	70	1,500	100	N	N	N	700	15	N	30	N	1,000	200
77BG160G	N	N	50	1,500	150	<20	N	N	500	150	N	20	N	200	200
77BG161G	N	N	50	1,000	30	<20	N	N	150	20	N	20	N	1,000	300
77BG162G	N	N	7	150	50	<20	N	N	50	20	N	10	N	700	200
77BG163G	N	N	10	10	<5	30	N	N	5	10	N	15	N	1,000	150
77BG164G	N	N	15	30	70	50	N	N	15	15	N	15	N	1,000	150
77BG165G	N	N	10	20	<5	20	N	N	7	20	N	10	N	1,000	150
77BG166G	N	N	15	100	5	30	N	N	10	20	N	20	N	700	300
77BG167G	N	N	7	20	<5	20	N	N	7	15	N	10	N	1,000	150
77BG168G	N	N	20	300	70	30	N	N	70	20	N	20	N	700	200
77BG169G	N	N	20	500	70	30	N	N	70	30	N	20	N	700	200
77BG170G	N	N	20	300	70	30	N	N	70	30	N	20	N	500	300
77BG171G	N	N	20	150	50	30	N	N	50	20	N	15	N	700	150
77BG172G	N	N	15	150	30	30	N	N	30	20	N	20	N	700	150
77BG174G	N	N	7	50	50	30	N	<20	15	30	N	10	N	700	70
77BG175G	N	N	7	50	20	20	N	N	20	30	N	7	N	300	50
77BG176G	N	N	30	200	100	30	N	N	50	15	N	30	N	700	200
77BG177G	N	N	10	70	5	30	N	N	20	30	N	15	N	700	100
77BG178G	N	50	N	100	200	N	30	N	5	10,000	<100	5	N	200	30
77BG179G	N	N	N	10	<5	50	N	<20	<5	50	N	10	N	500	50
77BG181G	N	N	7	30	5	30	N	N	10	20	N	10	N	700	150
77BG182G	N	N	7	10	5	30	N	N	<5	20	N	15	N	700	100
77BG183G	N	N	20	70	20	30	N	N	10	10	N	20	N	500	300
77BG186G	N	N	20	30	70	30	N	N	20	30	N	20	N	700	200
77BG189G	N	N	10	30	15	30	N	N	10	30	N	15	N	700	100
77BG190G	N	N	20	1,000	70	30	N	N	100	50	N	15	N	700	300
77BG194G	N	N	15	150	30	30	N	N	50	30	N	15	N	700	200
77BG195G	50	50	<5	100	150	N	20	N	<5	>20,000	N	N	N	N	1,000
77BG196G	N	N	15	150	30	30	N	N	50	300	N	15	N	700	200
77BG198G	N	N	15	150	50	50	N	N	50	100	N	15	N	700	200
77BG199G	N	30	5	70	70	N	N	N	7	>20,000	100	5	N	N	50
77BG200G	N	N	15	150	50	30	N	N	30	300	N	10	N	500	200
77BG201G	N	30	15	300	3,000	N	<5	N	20	>20,000	150	5	N	N	70
77BG202G	N	N	10	<10	15	30	N	N	<5	200	N	10	N	1,000	150
77BG203G	N	N	20	50	20	30	N	N	15	30	N	20	N	700	500
77BG204G	N	N	20	70	5	20	N	N	10	30	N	20	N	1,000	500
77BG206G	N	N	15	<10	20	20	N	N	<5	20	N	15	N	700	150
77BG209G	N	N	30	200	50	30	N	N	15	20	N	30	N	1,000	500
77BG210G	N	N	20	200	50	20	N	N	10	20	N	20	N	700	300
77BG158G	70	30	30	300	>20,000	N	N	N	100	150	300	10	N	N	150
77BG173G	N	N	15	<10	150	20	N	N	15	20	N	15	N	500	200

Table 3. Geochemical data for rocks--continued

sample	S-W	S-Y	S-ZN	S-ZR	AA-ZN-P	SI-F
77BG154G	N	15	N	70	80	--
77BG155G	N	15	N	100	40	--
77BG156G	N	<10	200	70	320	--
77BG157G	N	30	N	100	40	--
77BG159G	N	20	N	70	30	--
77BG160G	N	15	500	100	450	--
77BG161G	N	20	N	100	20	--
77BG162G	N	15	N	100	40	--
77BG163G	N	30	N	200	50	--
77BG164G	N	30	N	200	60	--
77BG165G	N	15	N	100	30	--
77BG166G	N	20	N	100	40	--
77BG167G	N	20	N	70	20	--
77BG168G	N	30	N	150	60	--
77BG169G	N	30	N	50	40	--
77BG170G	N	30	N	70	50	--
77BG171G	N	30	N	200	60	--
77BG172G	N	30	N	150	50	--
77BG174G	N	30	N	100	50	--
77BG175G	N	20	N	150	30	--
77BG176G	N	30	<200	150	90	--
77BG177G	N	30	N	200	80	--
77BG178G	N	<10	700	70	450	--
77BG179G	N	30	N	200	50	--
77BG181G	N	30	N	200	80	--
77BG182G	N	30	N	200	80	--
77BG183G	N	20	N	150	110	--
77BG186G	N	20	N	150	180	--
77BG189G	N	20	N	150	110	--
77BG190G	N	20	N	150	50	--
77BG194G	N	20	N	100	80	--
77BG195G	N	N	7,000	N	3,200	--
77BG196G	N	20	N	150	100	--
77BG198G	N	20	N	100	60	--
77BG199G	N	10	2,000	70	1,800	--
77BG200G	N	20	N	100	60	--
77BG201G	N	<10	>10,000	N	52,000	--
77BG202G	N	20	300	100	210	--
77BG203G	N	30	N	200	80	--
77BG204G	N	20	N	70	60	--
77BG206G	N	20	N	150	140	--
77BG207G	N	30	N	150	80	--
77BG210G	N	30	N	100	90	--
77BG158G	N	<10	500	50	320	--
77BG173G	N	20	<200	100	60	--

Table 3. Geochemical data for rocks--continued

sample	LATITUDE	LONGITUD	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE
77SL089G	46 18 38	111 55 38	1.00	.05	.50	.100	200	15.0	N	N	20	100	5.0
77SL15CG	46 21 39	111 59 30	1.50	.70	1.00	.200	300	5.0	N	N	10	300	3.0
77BG197G	46 21 10	111 54 20	3.00	.07	.50	.050	1,500	150.0	200	N	50	<20	1.5
77SL151G	46 21 25	112 0 34	.50	.03	.20	.050	30	1.0	N	N	10	150	2.0
77SL152G	46 21 14	112 0 20	20.00	.70	<.05	.300	2,000	10.0	N	N	10	500	<1.0
77SL153G	46 21 17	112 0 11	15.00	.70	.10	.300	3,000	15.0	N	N	20	500	1.0
77SL154G	46 21 25	112 0 6	2.00	.70	1.50	.300	500	.5	N	N	10	700	1.0
77SL155G	46 21 47	112 0 12	.70	.07	.70	.100	150	.5	N	N	20	150	2.0
77BG214G	46 30 59	111 46 40	10.00	2.00	9.00	.500	1,000	1.0	N	N	10	1,500	<1.0
77BG211G	46 31 0	111 46 36	10.00	2.00	7.00	.700	2,000	.7	N	N	10	2,000	1.0
77BG212G	46 30 59	111 46 40	15.00	3.00	7.00	.500	2,000	<.5	N	N	10	1,000	<1.0
77BG213G	46 30 59	111 46 40	10.00	3.00	5.00	.500	1,500	<.5	N	N	10	1,000	<1.0
77BG215G	46 30 55	111 46 41	10.00	2.00	5.00	.500	1,500	N	N	N	10	1,500	<1.0
77BG217G	46 30 50	111 46 54	7.00	2.00	5.00	.500	500	N	N	N	15	1,500	<1.0
77BG219G	46 30 43	111 46 58	7.00	1.50	3.00	.500	700	N	N	N	10	1,500	1.0
77BG220G	46 30 42	111 46 59	7.00	3.00	5.00	.500	1,000	N	N	N	10	1,500	<1.0
77BG221G	46 30 42	111 46 59	15.00	5.00	7.00	.500	2,000	N	N	N	10	1,000	<1.0
77BG222G	46 30 37	111 47 3	10.00	1.50	5.00	.500	700	<.5	N	N	15	1,500	<1.0
77BG223G	46 30 33	111 47 3	2.00	.50	1.00	.500	500	.5	N	N	10	2,000	<1.0
77BG227G	46 30 26	111 47 9	3.00	.70	2.00	.500	700	N	N	N	20	2,000	1.0
77BG228G	46 30 26	111 47 9	2.00	.70	7.00	.500	300	<.5	N	N	10	1,500	<1.0
77BG230G	46 30 20	111 47 12	10.00	1.50	5.00	.500	1,500	N	N	N	20	1,000	<1.0
77BG232G	46 30 15	111 47 11	2.00	.50	1.50	.500	500	N	N	N	15	1,500	1.5
77BW003G	46 22 32	111 57 48	5.00	2.00	5.00	.700	1,000	.7	N	N	30	700	2.0
77BG234G	46 30 33	111 48 10	2.00	.30	.50	.300	200	.5	N	N	20	1,500	<1.0
77BG235G	46 30 33	111 48 10	2.00	.20	.30	.300	300	N	N	N	30	1,500	1.0
77BG236G	46 30 19	111 48 56	7.00	1.50	5.00	.500	1,000	N	N	N	10	1,000	<1.0
77BG237G	46 30 24	111 48 45	2.00	.30	.50	.300	300	N	N	N	50	1,500	1.0
77BG238G	46 30 42	111 48 41	10.00	1.50	3.00	.500	700	N	N	N	15	1,000	<1.0
77BG240G	46 30 46	111 48 39	7.00	1.50	5.00	.500	1,000	<.5	N	N	<10	1,000	1.0
77SL156G	46 30 42	111 49 4	10.00	.20	.20	.150	200	15.0	>10,000	N	70	100	<1.0
77BG241G	46 21 47	111 53 35	5.00	1.00	1.00	.500	500	N	N	N	700	1,000	1.0
77BG242G	46 21 51	111 54 10	5.00	2.00	2.00	.500	1,000	N	N	N	70	1,000	<1.0
77BG243G	46 21 44	111 54 20	5.00	2.00	2.00	.500	700	N	N	N	70	1,000	<1.0
77BG244G	46 22 9	111 55 38	5.00	2.00	2.00	.500	700	N	N	N	15	700	<1.0
77BG245G	46 21 53	111 55 27	7.00	2.00	3.00	.500	700	N	N	N	30	1,000	<1.0
77BG246G	46 21 42	111 55 23	3.00	1.50	1.50	.500	500	N	N	N	20	1,000	1.0
77BG247G	46 21 25	111 54 43	5.00	2.00	3.00	.500	700	N	N	N	30	1,500	1.0
77SL157G	46 21 32	111 58 50	2.00	1.00	1.00	.200	300	.5	N	N	15	300	1.5
77SL158G	46 21 26	111 58 56	.50	.03	.50	.070	100	.7	N	N	15	200	3.0
77SL159G	46 21 20	111 59 3	7.00	.07	<.05	.050	20	<.5	N	N	15	200	2.0
77SL160G	46 20 59	111 58 53	5.00	.50	.20	.150	70	5.0	N	N	15	500	2.0
77SL161G	46 21 7	111 58 41	7.00	.50	N	.300	100	7.0	N	N	50	150	2.0
77SL162G	46 21 3	111 58 22	1.00	.15	.70	.100	200	2.0	N	N	15	200	2.0
77SL163G	46 20 57	111 58 2	2.00	.70	1.50	.150	300	N	N	N	10	300	1.0

Table 3. Geochemical data for rocks--continued

sample	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V
77SL089G	N	N	N	<10	50	20	N	20	<5	50	N	5	<10	N	N
77SL150G	N	N	5	<10	50	20	7	<20	<5	50	N	7	N	300	70
77BG197G	N	70	7	20	300	N	5	N	5	>20,000	150	<5	N	<100	20
77SL151G	N	N	N	<10	20	<20	N	<20	<5	100	N	N	N	100	<10
77SL152G	N	N	5	15	100	<20	150	N	<5	700	N	10	N	N	100
77SL153G	N	N	10	15	500	<20	30	N	<5	5,000	N	10	N	100	100
77SL154G	N	N	5	10	50	30	N	<20	5	50	N	7	N	300	70
77SL155G	N	N	N	N	<5	20	N	<20	<5	30	N	N	N	100	10
77BG214G	N	N	15	150	70	30	N	N	50	30	N	15	N	700	200
77BG211G	N	N	15	15	70	30	5	<20	5	30	N	20	N	2,000	150
77BG212G	N	N	50	700	50	N	N	N	200	20	N	30	N	1,500	300
77BG213G	N	N	30	200	30	<20	N	N	50	30	N	20	N	1,000	200
77BG215G	N	N	15	150	10	30	N	N	15	50	N	20	N	700	200
77BG217G	N	N	15	15	70	30	5	N	10	50	N	15	N	700	300
77BG219G	N	N	5	10	20	30	N	N	<5	30	N	15	N	500	150
77BG220G	N	N	15	100	50	30	N	N	20	50	N	15	N	700	200
77BG221G	N	N	50	1,500	50	20	N	N	500	20	N	20	N	700	300
77BG222G	N	N	15	50	50	30	N	N	30	30	N	15	N	700	200
77BG223G	N	N	<5	30	<5	50	N	<20	<5	30	N	15	N	300	70
77BG227G	N	N	5	30	5	50	N	<20	5	50	N	10	N	500	70
77BG228G	N	N	5	30	7	30	N	N	<5	30	N	10	N	700	100
77BG230G	N	N	15	10	20	50	N	N	<5	30	N	15	N	700	150
77BG232G	N	N	<5	10	5	50	N	<20	<5	30	N	10	N	500	50
77FW003G	N	N	15	70	50	150	10	20	20	70	N	20	N	500	150
77BG234G	N	N	<5	<10	15	50	20	<20	<5	30	N	7	N	300	50
77BG235G	N	N	<5	30	5	50	N	<20	<5	30	N	7	N	300	30
77BG236G	N	N	20	15	7	30	N	N	5	20	N	15	N	700	150
77BG237G	N	N	<5	20	<5	50	N	<20	<5	15	N	7	N	300	50
77BG238G	N	N	20	50	30	30	N	N	20	20	N	15	N	500	200
77BG240G	N	N	20	70	50	30	N	N	30	15	N	20	N	700	150
77SL156G	20	N	20	15	1,000	20	N	N	5	500	N	5	N	N	70
77BG241G	N	N	7	10	7	20	N	N	5	20	N	15	N	500	150
77BG242G	N	N	15	150	50	30	N	N	50	30	N	15	N	700	200
77BG243G	N	N	15	150	50	30	N	N	50	30	N	15	N	500	200
77BG244G	N	N	15	30	50	30	N	N	15	30	N	15	N	500	150
77BG245G	N	N	20	70	70	70	N	<20	15	30	N	15	N	500	200
77BG246G	N	N	7	50	15	70	N	<20	15	30	N	10	N	500	100
77BG247G	N	N	15	100	30	30	N	<20	30	30	N	15	N	700	150
77SL157G	N	N	10	<10	50	50	N	N	<5	20	N	5	N	200	70
77SL158G	N	N	<5	<10	30	50	N	20	<5	70	N	N	N	100	10
77SL159G	N	N	N	<10	1,000	N	200	20	<5	30	N	N	N	100	<10
77SL160G	N	N	<5	10	1,000	30	300	N	<5	15	N	5	<10	150	70
77SL161G	15	N	N	15	1,500	30	500	20	<5	70	N	7	10	N	100
77SL162G	N	N	10	<10	200	N	7	<20	5	30	N	N	N	150	10
77SL163G	N	N	5	15	20	30	N	<20	7	20	N	5	N	200	100

Table 3. Geochemical data for rocks--continued

sample	S-W	S-Y	S-ZN	S-ZR	AA-ZN-P	SI-F
77SL089G	N	20	N	50	<10	--
77SL150G	N	15	500	70	390	--
77BG197G	N	<10	>10,000	10	4,500	--
77SL151G	N	10	N	70	10	--
77SL152G	<50	N	1,000	200	900	--
77SL153G	<50	15	1,000	150	1,000	--
77SL154G	N	20	200	70	230	--
77SL155G	N	10	N	30	30	--
77BG214G	N	20	N	100	60	--
77BG211G	N	30	N	200	70	--
77BG212G	N	20	N	70	20	--
77BG213G	N	20	N	70	40	--
77BG215G	N	20	N	100	70	--
77BG217G	N	30	N	150	50	--
77BG219G	N	30	N	200	50	--
77BG220G	N	30	N	150	80	--
77BG221G	N	20	N	150	50	--
77BG222G	N	30	N	100	40	--
77BG223G	N	30	N	200	50	--
77BG227G	N	30	N	300	50	--
77BG228G	N	20	N	70	50	--
77BG230G	N	20	N	100	120	--
77BG232G	N	30	N	200	10	--
77BG233G	N	70	N	700	60	--
77BG234G	N	30	N	200	30	--
77BG235G	N	20	N	200	30	--
77BG236G	N	20	N	100	150	--
77BG237G	N	20	N	200	30	--
77BG238G	N	20	300	100	370	--
77BG240G	N	20	N	150	160	--
77SL156G	N	N	N	70	50	--
77BG241G	N	10	N	150	20	--
77BG242G	N	20	N	50	40	--
77BG243G	N	20	N	100	40	--
77BG244G	N	30	N	150	40	--
77BG245G	N	30	N	200	40	--
77BG246G	N	30	N	150	30	--
77BG247G	N	30	N	200	40	--
77SL157G	N	30	N	30	30	--
77SL158G	N	20	N	70	40	--
77SL159G	N	<10	N	50	20	260
77SL160G	N	<10	N	50	30	670
77SL161G	<50	10	N	70	50	--
77SL162G	N	<10	N	20	60	100
77SL163G	N	20	N	50	30	480

Table 3. Geochemical data for rocks--continued

sample	LATITUDE	LONGITUD	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE
77AG248G	46 31 51	111 49 11	--	--	--	--	--	--	--	--	--	--	--
77BG249G	46 31 35	111 48 48	--	--	--	--	--	--	--	--	--	--	--
77CG250G	46 31 33	111 48 48	--	--	--	--	--	--	--	--	--	--	--
77DG251G	46 31 32	111 48 51	--	--	--	--	--	--	--	--	--	--	--
77EG252G	46 31 32	111 48 51	--	--	--	--	--	--	--	--	--	--	--
77FG253G	46 31 31	111 48 55	--	--	--	--	--	--	--	--	--	--	--
77GG254G	46 31 27	111 48 55	--	--	--	--	--	--	--	--	--	--	--
77HG255G	46 31 26	111 48 55	--	--	--	--	--	--	--	--	--	--	--
77IG256G	46 31 25	111 48 55	--	--	--	--	--	--	--	--	--	--	--
77JG257G	46 31 22	111 48 55	--	--	--	--	--	--	--	--	--	--	--
77KG259G	46 31 15	111 48 47	--	--	--	--	--	--	--	--	--	--	--
77LG260G	46 31 15	111 48 47	--	--	--	--	--	--	--	--	--	--	--
77MG261G	46 31 11	111 48 45	--	--	--	--	--	--	--	--	--	--	--
77NG262G	46 31 11	111 48 45	--	--	--	--	--	--	--	--	--	--	--
77OG263G	46 31 10	111 48 43	--	--	--	--	--	--	--	--	--	--	--
77PG264G	46 31 9	111 48 43	--	--	--	--	--	--	--	--	--	--	--
77QG265G	46 31 9	111 48 43	--	--	--	--	--	--	--	--	--	--	--
77RG266G	46 31 8	111 48 39	--	--	--	--	--	--	--	--	--	--	--
77SG267G	46 31 6	111 48 38	--	--	--	--	--	--	--	--	--	--	--
77TG268G	46 31 5	111 48 38	--	--	--	--	--	--	--	--	--	--	--
77UG269G	46 31 2	111 48 38	--	--	--	--	--	--	--	--	--	--	--
77VG270G	46 30 59	111 48 38	--	--	--	--	--	--	--	--	--	--	--
77WG271G	46 30 56	111 48 41	--	--	--	--	--	--	--	--	--	--	--
77XG272G	46 30 56	111 48 41	--	--	--	--	--	--	--	--	--	--	--
77YG273G	46 30 51	111 48 41	--	--	--	--	--	--	--	--	--	--	--

Table 3. Geochemical data for rocks--continued

sample	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V
77BG248G	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
77BG249G	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
77BG250G	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
77BG251G	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
77BG252G	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
77BG253G	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
77BG254G	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
77BG255G	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
77BG256G	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
77BG257G	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
77BG259G	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
77BG260G	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
77BG261G	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
77BG262G	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
77BG263G	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
77BG264G	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
77BG265G	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
77BG266G	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
77BG267G	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
77BG268G	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
77BG269G	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
77BG270G	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
77BG271G	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
77BG272G	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
77BG273G	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 3. Geochemical data for rocks--continued

sample	S-W	S-Y	S-ZN	S-ZR	AA-ZN-P	SI-F
77BG248G	--	--	--	--	--	--
77BG249G	--	--	--	--	--	--
77BG250G	--	--	--	--	--	--
77BG251G	--	--	--	--	--	--
77BG252G	--	--	--	--	--	--
77BG253G	--	--	--	--	--	--
77BG254G	--	--	--	--	--	--
77BG255G	--	--	--	--	--	--
77BG256G	--	--	--	--	--	--
77BG257G	--	--	--	--	--	--
77BG258G	--	--	--	--	--	--
77BG260G	--	--	--	--	--	--
77BG261G	--	--	--	--	--	--
77BG262G	--	--	--	--	--	--
77BG263G	--	--	--	--	--	--
77BG264G	--	--	--	--	--	--
77BG265G	--	--	--	--	--	--
77BG266G	--	--	--	--	--	--
77BG267G	--	--	--	--	--	--
77BG268G	--	--	--	--	--	--
77BG269G	--	--	--	--	--	--
77BG270G	--	--	--	--	--	--
77BG271G	--	--	--	--	--	--
77BG272G	--	--	--	--	--	--
77BG273G	--	--	--	--	--	--

Table 4. Geochemical data for minus-80-mesh fraction of soils

sample	LATITUDE	LONGITUD	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE	S-BI	S-CD
ME010	46 18 10	111 48 10	7	1.5	1.0	.7	2,000	N	N	N	50	700	2.0	N	N
ME030	46 19 0	111 47 39	5	2.0	1.5	.7	2,000	N	N	N	20	1,000	2.0	N	N
ME090A	46 21 24	111 53 12	5	1.5	1.0	.7	1,000	1.5	N	N	50	500	2.0	N	N
ME 90B	46 21 24	111 53 12	5	1.5	.7	.7	700	.7	N	N	50	700	2.0	N	N
ME100	46 21 37	111 53 35	7	1.5	.7	.7	500	N	N	N	300	700	1.5	N	N
ME170	46 21 6	111 50 25	3	1.0	.7	.5	500	<.5	N	N	100	700	1.5	N	N
ME180	46 21 6	111 50 30	5	1.0	1.0	.5	2,000	.5	N	N	70	700	1.5	N	N
ME190	46 21 7	111 50 29	5	1.0	.7	.5	700	3.0	N	N	100	700	1.5	N	N
ME220A	46 20 43	111 51 55	5	1.5	1.5	.5	1,000	1.0	N	N	100	700	2.0	N	N
ME220B	46 20 43	111 51 55	5	1.5	1.5	.7	700	1.0	N	N	150	700	2.0	N	N
ME230A	46 20 29	111 52 36	5	1.5	1.5	.5	1,500	2.0	N	N	70	700	2.0	N	N
ME230B	46 20 29	111 52 36	5	2.0	1.5	.7	700	1.5	N	N	100	700	2.0	N	N
ME280	46 19 6	111 52 18	5	1.5	1.0	.5	1,000	.7	N	N	70	700	2.0	N	N
ME310A	46 19 36	111 52 45	5	1.0	.7	.7	1,000	.7	N	N	100	700	1.5	N	N
ME310B	46 20 31	111 53 25	7	2.0	1.0	.7	1,000	.7	N	N	70	700	1.5	N	N
ME350A	46 26 30	111 52 53	7	2.0	1.5	.7	2,000	.5	N	N	30	700	2.0	N	N
ME350B	46 26 30	111 52 53	10	2.0	1.5	.7	1,500	.7	N	N	15	700	2.0	N	N
ME380A	46 25 59	111 52 18	10	2.0	2.0	.7	1,500	N	N	N	10	700	2.0	N	N
ME380	46 25 19	111 51 24	5	1.0	1.5	.5	1,500	N	N	N	20	500	1.0	N	N
ME450A	46 25 23	111 50 20	7	2.0	1.5	.7	2,000	N	N	N	30	700	2.0	N	N
ME450B	46 25 23	111 50 20	10	2.0	1.5	.7	1,000	N	N	N	30	700	2.0	N	N
ME490A	46 27 12	111 54 26	7	2.0	1.5	.7	2,000	<.5	N	N	50	700	2.0	N	N
ME490B	46 27 12	111 54 26	7	3.0	1.5	.7	1,000	N	N	N	30	700	2.0	N	N
ME490C	46 21 24	111 53 12	7	3.0	1.5	.5	700	N	N	N	50	700	2.0	N	N
ME240	46 19 14	111 52 24	5	1.0	1.0	.5	700	N	N	N	70	700	1.5	N	N
ME310B	46 19 36	111 52 45	7	1.5	1.0	.5	1,000	N	N	N	70	700	1.5	N	N
ME380B	46 25 59	111 52 18	10	3.0	2.0	.7	2,000	N	N	N	10	700	3.0	N	N
77AMC400	46 21 38	111 49 51	10	1.5	1.5	1.0	1,500	N	N	N	150	1,000	1.0	N	N
77AMC410	46 21 38	111 50 9	7	1.5	1.5	1.0	1,000	N	N	N	100	1,500	1.5	N	N
77AMC420	46 21 36	111 50 30	7	1.5	1.5	1.0	1,000	N	N	N	100	1,500	2.0	N	N
77AMC430	46 21 46	111 50 44	3	1.5	1.5	.7	700	N	N	N	100	1,000	1.5	N	N
77AMC440	46 21 47	111 50 54	10	2.0	2.0	1.0	1,000	.5	N	N	150	1,500	2.0	N	N
77AMC450	46 21 52	111 51 15	5	1.5	1.5	.7	700	.7	N	N	70	1,000	1.5	N	N
77AMC460	46 21 57	111 51 29	3	1.0	1.5	.7	1,000	.5	N	N	100	1,000	1.5	N	N
77AMC470	46 22 6	111 51 50	5	1.5	1.5	1.0	1,000	.7	N	N	70	1,000	1.5	N	N
77AMC480	46 22 5	111 52 11	3	1.0	.7	1.0	1,000	<.5	N	N	100	1,000	1.5	N	N
77AMC490	46 22 5	111 52 35	5	1.5	1.0	1.0	700	.5	N	N	150	1,500	1.5	N	N
77AMC500	46 22 10	111 52 58	7	1.5	1.5	1.0	1,000	.5	N	N	100	1,500	2.0	N	N
77AMC510	46 21 56	111 53 8	10	2.0	1.5	1.0	1,500	.5	N	N	100	1,000	2.0	N	N
77AMC520	46 21 46	111 53 17	7	1.5	1.5	1.0	700	.5	N	N	300	1,000	1.5	N	N
77AMC530	46 21 33	111 53 39	7	2.0	1.5	1.0	700	.7	N	N	100	1,000	2.0	N	N
77AMC540	46 21 19	111 53 45	10	2.0	2.0	1.0	1,500	1.0	N	N	100	1,000	1.5	N	N
77AMC560	46 21 35	111 50 44	10	2.0	2.0	1.0	700	<.5	N	N	100	1,000	1.5	N	N
77AMC570	46 21 35	111 50 44	10	2.0	2.0	1.0	700	<.5	N	N	100	1,000	1.5	N	N
77AMC580	46 21 29	111 50 54	7	2.0	1.5	.7	1,000	.7	N	N	100	1,000	1.5	N	N

Table 4. Geochemical data for minus-80-mesh fraction of soils

sample	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR
ME010	15	70	30	30	N	<20	30	15	N	15	N	500	150	N	20	N	200
ME030	20	30	150	50	N	N	15	20	N	20	N	700	200	N	30	N	200
ME040A	15	70	100	50	5	<20	50	200	N	10	N	200	150	N	20	200	300
ME040B	20	70	50	20	5	<20	50	20	N	10	N	200	150	N	20	N	300
ME070	<5	30	30	70	5	<20	5	30	N	20	N	300	200	N	20	N	300
ME100	10	50	20	30	N	<20	20	50	N	10	N	300	150	N	20	N	300
ME130	20	70	50	30	N	<20	30	70	N	10	N	300	150	N	20	200	200
ME140	15	70	30	50	N	<20	20	50	N	15	N	200	150	N	20	N	300
ME220A	20	200	30	50	N	<20	70	70	N	15	N	300	150	N	20	N	200
ME220B	20	150	30	30	N	<20	100	30	N	15	N	300	150	N	20	N	300
ME230A	20	150	50	30	N	<20	100	50	N	15	N	300	150	N	20	N	200
ME230B	20	200	30	30	N	<20	150	50	N	15	N	500	150	N	20	N	300
ME250	20	100	50	20	N	<20	70	50	N	15	N	300	150	N	20	N	200
ME310A	10	30	30	20	N	<20	20	70	N	15	N	300	150	N	15	N	300
ME320	20	200	30	20	N	<20	100	70	N	15	N	300	150	N	15	N	300
ME350A	30	50	200	50	5	<20	30	100	N	30	N	300	200	N	70	<200	300
ME350B	30	50	150	70	5	<20	30	30	N	50	N	300	300	N	70	N	300
ME360A	30	70	70	70	10	30	30	70	N	50	N	300	300	N	70	N	500
ME360B	15	30	20	200	N	30	20	70	N	20	N	500	150	N	50	N	150
ME450A	20	70	20	50	5	30	30	50	N	20	N	300	200	N	50	N	300
ME450B	20	70	10	100	5	30	30	30	N	20	N	300	200	N	50	N	300
ME460A	30	70	70	50	N	20	30	70	N	20	N	300	200	N	50	N	500
ME460B	30	70	70	50	N	20	30	30	N	30	N	300	200	N	50	N	500
ME470	30	150	70	50	N	<20	100	30	N	20	N	300	200	N	30	N	500
ME540	20	200	20	30	N	<20	70	20	N	10	N	300	150	N	15	N	200
ME550A	20	150	30	20	N	<20	100	20	N	15	N	200	150	N	20	N	200
ME550B	30	70	20	70	5	20	30	30	N	50	N	300	300	N	70	N	500
77WM0400	15	150	30	50	N	20	30	30	N	15	N	200	200	N	20	N	300
77WM0410	10	100	30	50	N	20	30	20	N	15	N	300	150	N	20	N	300
77WM0420	15	100	50	30	N	20	30	30	N	15	N	200	150	N	20	N	500
77WM0430	10	100	30	30	N	<20	30	30	N	10	N	300	150	N	15	N	200
77WM0440	15	150	50	30	N	<20	70	50	N	15	N	300	200	N	30	N	300
77WM0450	10	100	30	30	N	<20	50	30	N	15	N	300	150	N	20	N	300
77WM0460	10	70	30	30	N	<20	30	30	N	15	N	200	150	N	20	N	500
77WM0470	10	70	30	30	N	<20	20	30	N	15	N	300	150	N	50	N	300
77WM0480	10	50	30	30	N	<20	20	50	N	10	N	200	150	N	20	<200	500
77WM0490	10	70	20	50	N	20	20	30	N	10	N	300	150	N	30	N	500
77WM0500	15	70	30	50	N	20	20	30	N	15	N	500	150	N	30	N	500
77WM0510	20	100	30	70	N	20	30	30	N	20	N	300	150	N	30	N	500
77WM0520	15	150	30	50	N	20	30	30	N	15	N	300	150	N	30	N	500
77WM0530	15	100	30	50	N	20	20	50	N	20	N	300	200	N	30	N	500
77WM0540	20	150	50	30	N	20	50	70	N	20	N	300	200	N	30	<200	700
77WM0560	20	150	50	50	7	20	50	70	N	15	N	300	200	N	30	N	200
77WM0570	20	150	50	50	5	<20	50	50	N	15	N	300	150	N	30	N	300
77WM0580	15	150	50	30	N	<20	50	50	N	15	N	300	150	N	30	N	300

Table 4. Geochemical data for minus-80-mesh fraction of soils

sample	AA-AU-P	AA-AS	AA-ZN-P	CM-AS	SI-F
ME01D	N	15	120	--	--
ME03D	N	10	130	--	--
ME[illegible]0A	N	60	170	--	--
ME[illegible]0B	N	20	90	--	--
ME1CD	N	<10	50	--	--
ME17D	N	15	90	--	--
ME18D	.10	40	170	--	--
ME19D	1.60	15	60	--	--
ME22DA	N	20	100	--	--
ME22DB	N	10	130	--	--
ME23DA	N	<10	100	--	--
ME23DB	N	10	80	--	--
ME28D	.05	15	130	--	--
ME31DA	N	40	180	--	--
ME32D	N	10	140	--	--
ME35DA	<.05	20	210	--	--
ME35DB	<.05	20	100	--	--
ME39DA	N	40	130	--	--
ME39D	N	10	70	--	--
ME45DA	N	20	140	--	--
ME45DB	N	<10	120	--	--
ME49DA	N	15	160	--	--
ME49DB	N	<10	120	--	--
ME49DC	N	10	70	--	--
ME49D	N	<10	100	--	--
ME31DB	N	<10	90	--	--
ME35DB	<.05	10	90	--	--
77AM040D	--	--	150	<10	--
77AM[illegible]41D	--	--	130	<10	--
77AM[illegible]42D	--	--	110	<10	--
77AM043D	--	--	80	<10	--
77AM044D	--	--	100	10	--
77AM045D	--	--	120	10	--
77AM046D	--	--	110	<10	--
77AM[illegible]47D	--	--	120	<10	--
77AM048D	--	--	130	10	--
77AM049D	--	--	80	<10	--
77AM[illegible]50D	--	--	90	<10	--
77AM051D	--	--	80	<10	--
77AM052D	--	--	80	<10	--
77AM053D	--	--	80	<10	--
77AM054D	--	--	130	<10	--
77AM056D	--	--	100	<10	--
77AM[illegible]57D	--	--	100	<10	--
77AM[illegible]58D	--	--	120	20	--

Table 4. Geochemical data for minus-80-mesh fraction of soils--continued

sample	LATITUDE	LONGITUD	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE	S-BI	S-CD
77WM0[illegible]50	46 21 24	111 50 41	10	2.0	1.5	1.0	2,000	1.0	N	N	100	1,500	2.0	N	N
77WM0[illegible]20	46 21 24	111 50 25	5	1.5	1.5	1.0	700	.5	N	N	150	1,500	1.5	N	N
77WM0610	46 21 12	111 50 14	5	1.5	1.5	1.0	1,500	<.5	N	N	100	1,000	2.0	N	N
77WM0[illegible]20	46 21 12	111 50 14	5	1.5	1.5	1.0	2,000	<.5	N	N	100	1,000	2.0	N	N
77WM0[illegible]40	46 21 6	111 50 25	10	1.5	1.5	.7	700	.5	N	N	100	1,000	1.0	N	N
77WM[illegible]650	46 21 12	111 50 38	10	1.5	1.5	.7	700	<.5	N	N	100	1,000	2.0	N	N
77WM0[illegible]60	46 21 12	111 50 48	7	1.5	1.5	.7	1,500	<.5	N	N	70	1,000	1.5	N	N
77WM0[illegible]80	46 21 2	111 50 53	10	2.0	2.0	.7	1,000	<.5	N	N	150	1,000	1.5	N	N
77WM0[illegible]40	46 21 2	111 50 53	10	2.0	2.0	.7	700	<.5	N	N	150	1,000	1.5	N	N
77WM0[illegible]05	46 20 56	111 50 57	10	2.0	1.5	.7	1,500	<.5	N	N	150	1,000	2.0	N	N
77WM0[illegible]10	46 20 50	111 51 33	10	2.0	2.0	.7	700	.7	N	N	150	1,000	1.5	N	N
77WM0[illegible]20	46 20 44	111 51 47	10	1.5	2.0	.7	1,000	1.0	N	N	150	1,000	2.0	N	N
77WM0[illegible]60	46 20 39	111 52 14	10	2.0	2.0	.7	500	1.0	N	N	100	1,000	1.5	N	N
77WM0[illegible]40	46 20 34	111 52 27	5	2.0	2.0	.5	1,000	1.0	N	N	70	1,000	2.0	N	N
77WM0[illegible]50	46 20 31	111 52 46	7	2.0	1.5	.7	700	1.5	N	N	70	1,000	2.0	N	N
77WM0[illegible]20	46 20 35	111 53 8	7	2.0	1.5	.7	1,500	1.0	N	N	70	1,000	2.0	N	N
77WM0[illegible]60	46 20 39	111 53 22	7	2.0	2.0	.7	1,500	.5	N	N	100	1,000	2.0	N	N
77WM0[illegible]30	46 20 23	111 53 21	5	1.5	1.5	.7	1,000	<.5	N	N	100	700	2.0	N	N
77WM0[illegible]0	46 20 12	111 53 3	3	1.5	1.0	.7	1,500	N	N	N	100	1,000	3.0	N	N
77WM0[illegible]10	46 20 12	111 53 3	5	1.5	1.0	.7	1,500	N	N	N	70	700	2.0	N	N
77W[illegible]820	46 20 3	111 52 45	5	2.0	1.5	.7	700	.5	N	N	100	700	2.0	N	N
77WM[illegible]30	46 19 47	111 52 40	7	2.0	1.5	.7	1,000	.5	N	N	70	700	1.5	N	N
77W[illegible]840	46 19 33	111 52 45	7	1.5	1.5	.7	700	.7	N	N	70	700	1.5	N	N
77WM0[illegible]50	46 19 23	111 52 56	7	2.0	1.5	.7	1,000	.5	N	N	70	700	1.5	N	N
77WM0[illegible]60	46 19 11	111 53 4	7	2.0	1.5	.7	700	.5	N	N	150	700	1.5	N	N
77WM0[illegible]70	46 19 0	111 53 8	7	2.0	3.0	.7	700	1.0	N	N	150	700	1.5	N	N
77WM0[illegible]60	46 18 46	111 53 20	7	1.5	1.5	.7	1,000	2.0	N	N	150	700	2.0	N	N
77WM0[illegible]50	46 21 3	111 58 54	5	1.0	1.0	.7	500	1.5	N	N	50	700	2.0	N	N
77WM0[illegible]60	46 20 50	111 58 47	5	1.5	2.0	.7	1,500	.7	N	N	50	700	2.0	N	N
77WM0[illegible]70	46 21 24	111 59 38	10	1.5	1.5	.5	1,000	.5	N	N	20	700	2.0	N	N
77BG0[illegible]40	46 14 26	111 37 51	10	5.0	7.0	.5	1,000	N	N	N	50	1,500	7.0	N	N
77BG0[illegible]30	46 14 49	111 38 18	2	2.0	15.0	.3	500	N	N	N	30	300	7.0	N	N
77BG0[illegible]50	46 14 47	111 38 12	3	2.0	3.0	.7	700	N	N	N	50	700	1.0	N	N
77BG0[illegible]0	46 14 40	111 38 8	3	2.0	2.0	.5	1,000	N	N	N	70	700	1.0	N	N
77BG0620	46 14 34	111 38 2	3	1.5	1.0	.5	700	N	N	N	100	700	1.5	N	N
77BG0630	46 14 34	111 37 58	3	2.0	7.0	.5	500	N	N	N	70	700	1.0	N	N
77BG0640	46 14 26	111 37 51	3	2.0	10.0	.5	700	N	N	N	100	700	1.0	N	N
77BG0650	46 14 21	111 37 49	3	1.5	2.0	.5	1,000	N	N	N	100	700	1.5	N	N
77BG0660	46 14 18	111 37 41	3	1.5	5.0	.5	700	.5	N	N	100	700	1.0	N	N
77BG0710	46 22 14	111 53 18	3	1.5	2.0	.5	700	N	N	N	100	700	1.0	N	N
77WM0170	46 18 56	112 1 31	10	1.5	2.0	.7	1,500	N	N	N	50	700	1.5	N	N
77WM0230	46 18 33	112 1 32	5	1.0	1.5	.7	500	.7	N	N	30	500	2.0	N	N
77WM0780	46 24 2	111 57 25	3	1.0	1.5	.5	700	<.5	N	N	50	700	2.0	N	N
77BG0350	46 15 38	111 49 33	3	.7	.5	.7	700	1.0	N	N	70	700	1.5	N	N
77SL0490	46 25 56	111 55 22	5	1.5	3.0	1.0	1,500	N	N	N	70	700	1.5	N	N

Table 4. Geochemical data for minus-80-mesh fraction of soils--continued

sample	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR
77WM0590	20	100	70	30	N	20	50	150	N	15	N	300	150	N	30	<200	300
77WM0600	10	70	30	30	N	<20	20	30	N	15	N	300	150	N	30	N	500
77WM0610	15	70	30	30	N	20	50	30	N	15	N	300	150	N	30	N	500
77WM0620	15	70	30	30	N	<20	50	30	N	15	N	300	150	N	30	<200	500
77WM0640	15	70	30	30	N	<20	30	50	N	15	N	300	150	N	20	N	300
77WM0650	15	100	50	30	N	<20	30	30	N	15	N	300	150	N	20	N	300
77WM0660	20	100	70	30	N	N	50	50	N	15	N	200	150	N	20	N	200
77WM0680	15	200	30	50	N	<20	70	30	N	15	N	500	200	N	30	N	300
77WM0690	15	200	30	30	N	N	70	30	N	15	N	300	150	N	20	N	300
77WM0700	15	150	50	30	N	N	50	30	N	15	N	300	150	N	30	N	300
77WM0710	20	300	50	30	N	N	70	50	N	15	N	500	150	N	20	N	300
77WM0720	15	200	30	30	N	<20	70	30	N	15	N	300	150	N	20	N	300
77WM0730	20	200	50	30	N	<20	70	30	N	15	N	300	150	N	30	N	300
77WM0740	15	200	50	20	N	N	100	50	N	15	N	500	100	N	30	N	200
77WM0750	15	200	30	30	N	<20	70	70	N	15	N	300	150	N	20	N	300
77WM0770	20	200	50	30	N	<20	70	50	N	15	N	300	150	N	20	<200	300
77WM0780	20	200	50	30	N	N	100	70	N	15	N	300	150	N	30	N	300
77WM0790	15	150	30	30	N	<20	50	30	N	15	N	200	150	N	N	N	200
77WM0810	15	150	20	50	N	<20	50	70	N	15	N	300	100	N	N	N	200
77WM0820	15	100	20	50	N	<20	30	70	N	10	N	200	100	N	N	N	200
77WM0830	15	200	30	50	N	<20	70	70	N	15	N	300	100	N	N	N	300
77WM0840	20	200	50	30	N	<20	70	50	N	15	N	300	150	N	N	N	200
77WM0850	20	200	30	30	N	<20	50	30	N	15	N	300	150	N	N	N	200
77WM0860	30	300	50	30	N	<20	70	50	N	15	N	300	150	N	N	N	200
77WM0870	20	150	30	30	N	<20	50	30	N	15	N	300	150	N	N	N	200
77WM0880	20	150	30	30	N	<20	30	50	N	15	N	500	150	N	N	N	300
77WM0890	15	70	30	30	5	<20	30	50	N	15	N	300	150	N	N	<200	200
77WM0900	10	50	200	50	70	20	15	50	N	10	N	300	100	N	N	N	200
77WM0960	15	70	70	30	7	<20	15	70	N	15	N	300	150	N	30	300	500
77WM0970	15	30	500	70	100	N	10	70	N	15	N	300	150	N	20	N	200
77WM0980	30	700	10	20	N	N	150	20	N	20	N	700	200	N	20	N	70
77WM0990	5	20	50	20	N	<20	15	20	N	7	N	3,000	50	N	30	N	100
77WM1000	15	100	30	50	N	<20	30	20	N	10	N	300	100	N	30	N	500
77WM1010	15	100	30	30	N	<20	30	30	N	15	N	300	150	N	30	N	500
77WM1020	10	100	30	30	N	<20	30	30	N	10	N	300	100	N	20	N	1,000
77WM1030	10	100	30	30	N	<20	50	20	N	10	N	300	100	N	30	N	700
77WM1040	10	100	30	50	N	<20	50	30	N	15	N	300	100	N	30	N	1,000
77WM1050	15	150	30	50	N	<20	50	30	N	15	N	200	100	N	30	N	1,000
77WM1060	10	100	50	30	N	<20	50	50	N	15	N	200	100	N	30	N	300
77WM1070	10	100	30	30	N	<20	50	20	N	15	N	200	100	N	30	N	500
77WM0170	20	50	100	50	N	20	30	50	N	30	N	300	200	N	50	N	700
77WM0200	20	30	50	30	N	20	15	50	N	10	N	200	150	N	50	N	300
77WM0280	15	30	50	50	5	30	15	70	N	10	N	300	100	N	30	N	500
77WM0950	15	70	50	20	N	<20	30	50	N	10	N	150	100	N	30	N	300
77SL0440	20	70	70	50	7	20	30	50	N	15	N	500	150	N	50	N	300

Table 4. Geochemical data for minus-80-mesh fraction of soils--continued

sample	AA-AU-P	AA-AS	AA-ZN-P	CM-AS	SI-F
77WM0590	--	--	180	10	--
77WM0600	--	--	90	<10	--
77WM0610	--	--	170	<10	--
77WM0620	--	--	170	<10	--
77WM0640	--	--	120	<10	--
77WM0650	--	--	140	10	--
77WM0660	--	--	130	<10	--
77WM0670	--	--	80	<10	--
77WM0680	--	--	80	<10	--
77WM0690	--	--	120	<10	--
77WM0710	--	--	100	<10	--
77WM0720	--	--	130	<10	--
77WM0730	--	--	90	<10	--
77WM0740	--	--	110	<10	--
77WM0750	--	--	110	<10	--
77WM0770	--	--	140	<10	--
77WM0780	--	--	100	<10	--
77WM0790	--	--	130	<10	--
77WM0810	--	--	120	<10	--
77WM0820	--	--	120	<10	--
77WM0840	--	--	100	<10	--
77WM0850	--	--	110	<10	--
77WM0860	--	--	130	<10	--
77WM0870	--	--	100	<10	--
77WM0880	--	--	90	<10	--
77WM0900	--	--	90	<10	--
77WM0910	--	--	110	<10	--
77WM0920	--	--	60	<10	--
77WM0930	--	--	380	<10	--
77WM0940	--	--	90	<10	--
77BG0640	--	--	30	--	--
77BG0650	--	--	30	<10	--
77BG0660	--	--	70	<10	--
77BG0670	--	--	80	<10	--
77BG0680	--	--	60	<10	--
77BG0690	--	--	60	10	--
77BG0700	--	--	60	<10	--
77BG0710	--	--	80	<10	--
77BG0720	--	--	100	<10	--
77BG0730	--	--	80	<10	--
77WM0170	--	--	130	10	--
77WM0230	--	--	70	<10	--
77WM0280	--	--	110	<10	--
77BG0350	--	--	130	<10	--
77SL0490	--	--	90	<10	--

Table 4. Geochemical data for minus-80-mesh fraction of soils--continued

sample	LATITUDE	LONGITUD	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE	S-BI	S-CD
77SL2500	46 25 44	111 55 27	7	1.5	3.0	.7	1,000	N	N	N	30	700	2.0	N	N
77SL2060	46 25 59	111 55 0	2	.7	.7	.7	1,000	N	N	N	70	700	1.5	N	N
77SL2070	46 25 59	111 55 0	2	.5	.7	.7	2,000	N	N	N	50	700	2.0	N	N
77SL2330	46 25 59	111 55 0	2	.5	.7	.7	2,000	<.5	N	N	70	1,000	1.0	N	N
77SL2340	46 25 59	111 55 0	3	.7	1.0	.7	1,000	<.5	N	N	70	1,000	2.0	N	N
77SL2350	46 25 59	111 55 0	2	.7	1.0	.7	700	N	N	N	70	1,000	1.5	N	N
77SL2200	46 25 59	111 55 0	2	1.0	1.5	1.0	1,000	N	N	N	70	1,000	1.5	N	N
77SL2210	46 25 59	111 55 0	3	1.0	1.5	1.0	1,000	<.5	N	N	70	1,000	3.0	N	N
77SL2220	46 25 59	111 55 0	3	1.0	1.0	1.0	1,500	<.5	N	N	100	1,000	1.5	N	N
77SL2230	46 25 59	111 55 0	5	1.5	1.5	1.0	2,000	N	N	N	70	1,500	2.0	N	N
77SL2240	46 25 59	111 55 0	3	1.0	1.0	1.0	1,500	N	N	N	70	1,000	2.0	N	N
77SL2250	46 25 59	111 55 0	5	1.0	1.0	1.0	2,000	N	N	N	70	1,000	2.0	N	N
77SL2150	46 25 59	111 55 0	2	1.0	1.0	.7	1,000	<.5	N	N	50	1,000	2.0	N	N
77SL2160	46 25 59	111 55 0	2	1.0	1.5	1.0	2,000	N	N	N	100	1,000	2.0	N	N
77SL2120	46 25 59	111 55 0	3	1.0	1.5	1.0	5,000	1.0	N	N	100	1,500	3.0	10	N
77SL2260	46 25 59	111 55 0	3	1.0	1.0	1.0	2,000	N	N	N	100	1,500	1.5	N	N
77SL2270	46 25 59	111 55 0	3	.7	1.0	.7	1,500	.5	N	N	70	1,000	3.0	N	N
77SL2280	46 25 59	111 55 0	3	1.0	1.0	1.0	2,000	<.5	N	N	100	1,000	3.0	<10	N
77SL2290	46 25 59	111 55 0	3	1.0	1.0	1.0	700	N	N	N	100	1,500	2.0	N	N
77SL2300	46 25 59	111 55 0	2	.7	1.5	.3	1,000	<.5	N	N	30	500	3.0	N	N
77SL2310	46 25 59	111 55 0	2	.5	1.5	.5	1,000	N	N	N	50	700	7.0	N	N
77SL2320	46 25 59	111 55 0	3	.7	1.0	.7	1,500	N	N	N	50	700	7.0	N	N
77SL2470	46 26 13	111 54 59	10	2.0	3.0	.7	2,000	.7	N	N	70	700	7.0	N	N
77SL2450	46 26 3	111 55 14	10	2.0	3.0	1.0	2,000	1.0	N	N	50	700	7.0	N	N
77SL2360	46 22 45	111 48 20	10	1.5	1.0	.7	2,000	N	N	N	70	1,500	1.5	N	N
77SL2380	46 21 25	111 48 50	3	1.5	2.0	.5	500	.5	N	N	30	500	<2.0	N	N
77SL2350	46 18 45	111 54 51	5	2.0	3.0	.7	500	1.5	N	N	100	700	<1.0	N	N
77SL2340	46 18 46	111 54 50	7	1.5	1.0	.5	2,000	700.0	N	N	200	500	1.5	N	N
77SL2950	46 25 49	111 54 47	7	1.5	1.5	.5	1,000	3.0	N	N	15	300	10.0	N	N

Table 4. Geochemical data for minus-80-mesh fraction of soils--continued

sample	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR
77SL0530	20	70	30	50	N	20	20	50	N	15	N	500	200	N	50	N	300
77SL2[illegible]	10	70	20	20	N	30	20	50	N	7	N	150	100	N	70	N	300
77SL2[illegible]	5	50	20	20	N	30	20	50	N	7	N	150	70	N	30	N	300
77SL2330	7	70	20	20	N	<20	15	50	N	7	N	150	70	N	20	N	300
77SL2340	7	70	20	30	N	20	30	50	N	10	<10	200	100	N	20	N	300
77SL2350	7	70	20	20	N	20	20	30	N	10	N	200	100	N	20	N	300
77SL2[illegible]	7	100	20	20	N	20	30	30	N	10	N	300	100	N	20	N	300
77SL2210	10	100	50	30	N	20	30	150	N	10	N	200	100	N	20	N	300
77SL2220	7	70	20	30	N	20	30	50	N	10	N	300	100	N	30	N	300
77SL2230	15	100	30	50	N	30	50	50	N	15	N	300	150	N	50	N	500
77SL2240	15	100	30	30	N	20	30	50	N	10	N	200	100	N	20	N	300
77SL2250	15	70	50	20	N	20	50	100	N	10	N	200	150	N	20	200	200
77SL2260	7	70	50	20	N	30	15	200	N	7	<10	200	100	N	20	N	300
77SL2270	10	100	20	30	N	30	20	50	N	10	<10	200	100	N	30	N	300
77SL2120	15	70	150	30	N	30	20	500	N	10	<10	200	100	N	30	500	200
77SL2060	10	100	30	30	N	30	20	70	N	10	N	200	100	N	20	N	300
77SL2270	15	70	20	20	N	30	20	50	N	10	10	200	100	N	30	N	200
77SL2[illegible]	10	70	30	20	N	30	20	200	N	10	<10	200	100	N	30	N	300
77SL2280	10	100	20	20	N	20	30	30	N	10	<10	200	100	N	20	N	300
77SL2300	7	30	30	20	N	30	10	150	N	5	15	100	50	N	100	N	200
77SL2310	7	50	30	20	N	30	15	150	N	7	10	200	70	N	50	N	200
77SL2320	10	50	50	50	N	30	20	150	N	10	<10	150	100	N	70	N	200
77SL0[illegible]	20	70	70	70	<5	20	20	70	N	20	N	300	200	N	100	N	1,000
77SL0[illegible]	30	70	150	70	5	20	20	100	N	20	<10	300	150	<50	100	N	200
77SL1080	20	50	70	20	N	<20	20	70	N	20	N	300	150	N	20	N	200
77WM0[illegible]	10	30	70	70	N	<20	10	100	N	10	N	200	100	N	30	200	150
77WM1[illegible]	20	200	50	30	N	N	50	70	N	15	N	700	200	N	30	N	200
77WM0[illegible]	30	100	700	50	N	N	50	7,000	N	15	N	150	200	N	30	2,000	150
77SL0950	15	50	50	50	N	50	15	100	N	10	10	200	150	N	50	200	150

Table 4. Geochemical data for minus-80-mesh fraction of soils--continued

sample	AA-AU-P	AA-AS	AA-ZN-P	CM-AS	SI-F
77SL[illegible]	--	--	90	<10	--
77SL[illegible]	--	--	70	10	720
77SL[illegible]	--	--	80	<10	550
77SL[illegible]	--	--	70	10	--
77SL[illegible]	--	--	100	<10	--
77SL[illegible]	--	--	50	<10	--
77SL[illegible]	--	--	70	<10	--
77SL[illegible]	--	--	140	<10	--
77SL[illegible]	--	--	80	<10	--
77SL[illegible]	--	--	160	<10	--
77SL[illegible]	--	--	120	<10	--
77SL[illegible]	--	--	160	20	--
77SL[illegible]	--	--	120	10	--
77SL[illegible]	--	--	90	<10	--
77SL[illegible]	--	--	290	10	850
77SL[illegible]	--	--	130	<10	--
77SL[illegible]	--	--	90	<10	--
77SL[illegible]	--	--	120	10	--
77SL[illegible]	--	--	100	<10	--
77SL[illegible]	--	--	110	<10	--
77SL[illegible]	--	--	120	<10	--
77SL[illegible]	--	--	210	10	--
77SL[illegible]	--	--	130	<10	--
77SL[illegible]	--	--	180	<10	--
77SL[illegible]	--	--	130	<10	--
77SL[illegible]	--	--	230	<10	--
77SL[illegible]	--	--	100	<10	--
77SL[illegible]	--	--	2,000	10	--
77SL[illegible]	--	--	130	<10	--

Table 5. Geochemical data for stream sediments

sample	LATITUDE	LONGITUD	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE	S-BI	S-CD
ME05S	46 19 6	111 46 40	5	1.5	1.5	.50	700	<.5	N	N	30	700	2.0	N	N
ME06S	46 19 6	111 45 24	3	1.0	1.0	.50	500	.5	N	N	50	500	1.5	N	N
ME07S	46 18 10	111 44 12	7	1.5	2.0	.70	1,000	.7	N	N	100	700	1.5	N	N
ME08S	46 17 8	111 43 11	5	2.0	2.0	.70	1,000	.5	N	N	50	700	1.5	N	N
ME14S	46 22 6	111 53 2	15	1.0	1.0	>1.00	2,000	N	N	N	30	300	<1.0	N	N
ME15S	46 21 15	111 50 49	7	1.0	1.5	.50	1,500	.5	N	N	200	700	1.0	N	N
ME21S	46 20 39	111 51 50	10	1.5	1.5	.50	1,500	<.5	N	N	10	300	1.5	N	N
ME30S	46 19 23	111 52 37	5	1.5	1.5	.30	1,000	2.0	N	N	50	700	1.5	N	N
ME34S	46 20 53	111 55 17	5	2.0	2.0	.50	1,000	.5	N	N	50	700	1.5	N	N
ME37S	46 26 22	111 52 45	3	.7	1.0	.20	500	1.0	N	N	20	300	3.0	N	N
ME40S	46 25 14	111 51 25	7	.7	1.5	.50	1,000	1.0	700	N	50	300	2.0	N	N
ME41S	46 25 5	111 51 47	7	1.0	1.5	.50	700	N	N	N	30	500	1.5	N	N
ME43S	46 25 24	111 50 44	5	1.0	1.5	.30	1,500	1.5	1,000	N	50	500	2.0	N	N
ME44S	46 25 28	111 50 44	7	.7	1.5	.70	1,000	N	N	N	20	500	2.0	N	N
ME47S	46 25 5	111 53 30	10	1.5	2.0	.70	1,500	N	N	N	30	500	1.0	N	N
ME48S	46 26 20	111 54 12	10	1.5	2.0	.70	1,500	N	N	N	20	500	2.0	N	N
ME50S	46 27 48	111 51 12	15	2.0	2.0	.70	1,500	<.5	N	N	50	700	1.0	N	N
ME51S	46 27 16	111 51 20	7	2.0	1.5	.70	1,500	N	N	N	70	700	1.0	N	N
ME52S	46 28 19	111 51 5	10	1.5	1.5	.50	1,500	<.5	N	N	15	700	1.5	N	N
ME53S	46 21 33	112 0 29	10	1.5	2.0	.50	1,500	.7	N	N	20	500	1.5	N	N
ME54S	46 21 39	111 59 17	7	1.5	2.0	.50	1,000	N	N	N	20	500	1.5	N	N
ME55S	46 21 42	111 59 2	10	1.5	2.0	.70	1,000	<.5	N	N	15	500	1.5	N	N
ME56S	46 17 36	112 2 53	10	1.5	2.0	.70	1,000	N	N	N	20	700	1.0	N	N
ME57S	46 17 20	112 3 3	15	1.5	1.5	.70	1,000	N	N	N	10	500	<1.0	N	N
ME58S	46 17 20	111 56 31	5	1.5	1.5	.70	1,000	.5	N	N	100	700	2.0	N	N
ME59S	46 15 33	111 57 43	10	2.0	2.0	.70	1,500	N	N	N	100	700	1.0	N	N
ME60S	46 15 21	111 58 5	7	1.5	3.0	.50	1,000	1.0	N	N	150	700	1.0	N	N
ME61S	46 19 6	111 45 24	15	1.0	2.0	.70	1,500	N	N	N	50	500	1.5	N	N
ME05SC	46 19 6	111 46 40	5	2.0	1.5	.50	1,500	<.5	N	N	30	1,000	1.5	N	N
ME06SC	46 19 6	111 45 24	3	1.5	.7	.50	500	<.5	N	N	50	700	1.5	N	N
ME07SC	46 18 10	111 44 12	5	1.5	1.5	.50	1,000	N	N	N	70	700	1.5	N	N
ME08SC	46 17 8	111 43 11	3	2.0	1.5	.50	1,000	N	N	N	30	1,000	1.5	N	N
ME14SC	46 22 6	111 53 2	15	1.0	.7	>1.00	2,000	N	N	N	20	300	<1.0	N	N
ME15SC	46 21 15	111 50 49	10	2.0	3.0	.70	1,500	.5	N	N	300	1,000	<1.0	N	N
ME21SC	46 20 39	111 51 50	10	1.5	2.0	.50	1,000	3.0	N	N	10	500	1.5	N	N
ME30SC	46 19 23	111 52 37	5	2.0	2.0	.50	1,500	1.5	N	N	100	1,000	1.0	N	N
ME34SC	46 20 53	111 55 17	3	2.0	2.0	.50	1,000	<.5	N	N	50	1,000	1.5	N	N
ME37SC	46 26 22	111 52 45	5	1.0	1.0	.30	500	<.5	N	N	20	500	2.0	N	N
ME40SC	46 25 14	111 51 25	7	.7	1.5	.50	1,500	N	N	N	20	500	1.5	N	N
ME41SC	46 25 5	111 51 47	7	1.5	1.5	.50	700	N	N	N	30	700	1.5	N	N
ME43SC	46 25 24	111 50 44	2	1.0	1.5	.30	1,500	<.5	300	N	30	700	1.5	N	N
ME44SC	46 25 28	111 50 44	3	.5	1.5	.30	500	N	N	N	30	700	1.5	N	N
ME47SC	46 25 5	111 53 30	15	1.0	1.5	1.00	1,500	N	N	N	20	300	1.5	N	N
ME48SC	46 26 20	111 54 12	7	1.0	2.0	1.00	1,500	N	N	N	20	500	2.0	N	N
ME50SC	46 27 48	111 51 12	7	1.5	2.0	.70	1,000	N	N	N	50	700	1.5	N	N

Table 5. Geochemical data for stream sediments

sample	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN
ME05S	10	100	20	50	N	<20	30	30	N	15	N	500	150	N	20	N
ME06S	10	50	15	50	N	<20	20	15	N	10	N	300	200	N	30	N
ME07S	15	500	20	50	N	<20	30	70	N	20	N	500	200	N	30	N
ME08S	15	200	30	50	N	<20	50	20	N	15	N	500	150	N	20	N
ME14S	30	1,000	20	50	N	30	50	20	N	15	N	150	1,000	N	30	N
ME15S	15	50	15	30	N	<20	10	50	N	15	N	300	200	N	30	<200
ME21S	10	70	20	100	N	30	7	20	N	15	N	300	300	N	50	N
ME33S	15	100	30	20	N	N	30	70	N	15	N	500	150	N	20	<200
ME34S	15	150	30	50	N	<20	30	50	N	20	N	500	200	N	30	<200
ME37S	10	20	100	50	7	20	7	50	N	10	N	300	100	N	50	<200
ME40S	15	70	50	150	N	20	7	100	N	15	N	300	300	N	50	700
ME41S	15	50	30	50	N	20	10	20	N	15	N	300	200	N	50	N
ME43S	15	30	150	50	5	<20	7	150	N	15	N	300	150	N	30	1,500
ME44S	15	50	30	100	N	30	10	30	N	15	N	300	300	N	50	N
ME47S	15	200	30	150	N	30	20	50	N	20	N	300	500	N	70	N
ME48S	15	100	20	100	N	30	10	50	N	15	N	300	500	N	50	200
ME50S	15	150	30	100	N	20	20	70	N	20	N	500	500	N	50	N
ME51S	15	150	30	50	7	<20	15	50	N	15	N	300	200	N	30	N
ME52S	15	150	30	50	7	20	15	50	N	15	N	700	300	N	30	200
ME53S	15	150	30	150	5	20	15	100	N	15	N	300	300	N	70	200
ME54S	10	50	20	200	5	30	10	30	N	20	N	300	300	N	150	N
ME55S	10	70	50	200	10	30	10	30	N	15	N	300	500	N	100	N
ME56S	15	200	20	100	N	30	15	30	N	15	N	300	700	N	70	N
ME57S	20	300	20	100	10	20	15	30	N	15	N	200	1,000	150	100	N
ME58S	15	70	30	50	N	20	15	50	N	10	N	300	150	N	30	<200
ME59S	20	150	30	70	N	30	15	200	N	20	N	500	300	N	70	N
ME60S	15	100	30	30	N	<20	30	70	N	15	N	500	150	N	20	200
ME61S	15	100	30	150	N	30	15	50	N	15	N	500	700	N	70	N
ME05SC	15	500	20	50	N	<20	30	30	N	15	N	700	150	N	20	N
ME06SC	15	70	15	30	N	<20	20	20	N	10	N	300	150	N	15	N
ME07SC	15	100	15	30	N	<20	30	50	N	15	N	500	150	N	20	N
ME08SC	15	200	10	30	N	N	30	30	N	10	N	500	150	N	15	N
ME14SC	30	1,500	10	30	N	50	50	20	N	15	N	150	700	N	30	N
ME15SC	20	70	15	50	N	<20	15	70	N	20	N	700	300	N	30	N
ME21SC	15	70	30	100	N	30	7	150	N	10	N	500	300	N	70	200
ME33SC	15	150	10	50	N	N	30	70	N	15	N	700	150	N	20	<200
ME34SC	15	100	20	50	N	N	30	50	N	15	N	700	150	N	20	N
ME37SC	15	30	100	50	10	20	10	50	N	7	N	300	150	N	50	N
ME40SC	15	50	20	70	N	20	7	70	N	7	N	500	300	N	20	500
ME41SC	15	50	15	50	N	20	15	30	N	10	N	500	200	N	20	N
ME43SC	15	10	20	50	7	<20	10	150	N	7	N	500	100	N	20	1,000
ME44SC	7	15	10	100	N	<20	5	20	N	5	N	500	100	N	20	N
ME47SC	15	150	20	100	N	30	20	50	N	15	N	300	700	N	30	N
ME48SC	15	150	10	70	N	30	10	30	N	10	N	300	300	N	30	N
ME50SC	15	70	30	50	N	20	15	50	N	15	N	700	200	N	30	N

Table 5. Geochemical data for stream sediments

sample	S-ZR	AA-AU-P	AA-AS	AA-ZN-P
ME05S	200	N	15	90
ME06S	300	N	<10	80
ME07S	500	<.05	10	100
ME08S	300	N	10	90
ME14S	1,000	2.60	10	50
ME15S	300	N	20	220
ME21S	1,000	.70	10	250
ME30S	200	.40	40	180
ME34S	200	N	<10	90
ME37S	200	N	<10	110
ME40S	500	.60	120	1,000
ME41S	500	N	10	80
ME43S	500	.50	160	1,600
ME44S	>1,000	.05	10	70
ME47S	>1,000	N	10	100
ME48S	>1,000	N	<10	180
ME50S	300	<.05	10	130
ME51S	500	<.05	20	130
ME52S	300	.40	<10	180
ME53S	>1,000	.15	10	240
ME54S	1,000	<.05	<10	80
ME55S	>1,000	N	<10	140
ME56S	1,000	N	<10	80
ME57S	>1,000	N	<10	50
ME58S	300	N	<10	90
ME59S	>1,000	2.50	15	50
ME60S	100	N	15	250
ME61S	1,000	N	<10	60
ME05SC	200	--	--	--
ME06SC	150	--	--	--
ME07SC	150	--	--	--
ME08SC	150	--	--	--
ME14SC	500	--	--	--
ME15SC	700	--	--	--
ME21SC	700	--	--	--
ME30SC	150	--	--	--
ME34SC	200	--	--	--
ME37SC	200	--	--	--
ME40SC	70	--	--	--
ME41SC	150	--	--	--
ME43SC	150	--	--	--
ME44SC	70	--	--	--
ME47SC	300	--	--	--
ME48SC	300	--	--	--
ME50SC	200	--	--	--

Table 5. Geochemical data for stream sediments--continued

sample	LATITUDE	LONGITUD	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE	S-BI	S-CD
ME51SC	46 27 16	111 51 20	5	1.5	2.0	.50	1,000	N	N	N	150	700	1.0	N	N
ME52SC	46 28 19	111 51 5	7	1.0	1.5	.50	1,000	N	N	N	10	1,000	1.0	N	N
ME53SC	46 21 33	112 0 29	10	1.0	1.5	.50	1,000	.7	N	N	70	500	1.0	N	N
ME54SC	46 21 39	111 59 17	2	1.0	1.5	.30	500	.7	N	N	20	500	1.5	N	N
ME55SC	46 21 42	111 59 2	5	1.0	1.5	.50	500	.5	N	N	15	300	1.5	N	N
ME56SC	46 17 36	112 2 53	10	1.0	1.5	.50	500	N	N	N	20	500	1.0	N	N
ME57SC	46 17 20	112 3 3	10	1.0	1.5	.30	500	N	N	N	20	300	1.0	N	N
ME58SC	46 17 20	111 56 31	5	1.5	1.5	.50	1,500	N	N	N	100	700	2.0	N	N
ME59SC	46 15 33	111 57 43	7	1.5	2.0	.70	1,500	N	N	N	100	700	1.5	N	N
ME60SC	46 15 21	111 58 5	7	2.0	3.0	.50	1,500	1.0	N	N	200	1,000	1.5	N	N
ME61SC	46 19 6	111 45 24	5	.5	1.0	.20	500	N	N	N	20	500	1.5	N	N
77SL002S	46 19 26	111 41 52	5	1.5	3.0	.50	1,000	.7	N	N	30	1,000	1.0	N	N
77SL003S	46 18 47	111 44 9	5	1.5	3.0	.50	1,000	.7	N	N	30	1,000	1.0	N	N
77E[illegible]01S	46 19 23	111 40 0	5	1.5	3.0	.70	1,000	.7	N	N	50	1,000	1.5	N	N
77E[illegible]02S	46 18 46	111 44 4	5	1.5	3.0	.70	1,000	.5	N	N	50	1,500	1.0	N	N
77SL005S	46 19 50	111 45 3	5	1.5	2.0	.50	1,000	.5	N	N	50	1,500	1.0	N	N
77SL006S	46 20 13	111 43 51	3	1.5	3.0	.50	1,000	3.0	N	N	30	1,000	1.0	N	N
77SL[illegible]7S	46 21 2	111 45 16	7	1.5	2.0	.70	1,000	1.0	N	N	50	1,000	1.5	N	N
77SL[illegible]9S	46 21 35	111 46 18	5	1.5	2.0	.50	1,500	1.5	N	N	50	1,000	2.0	N	N
77E[illegible]03S	46 17 17	111 46 59	2	1.5	2.0	.30	1,000	.5	N	N	20	1,000	1.0	N	N
77E[illegible]04S	46 17 53	111 46 0	3	1.5	2.0	.50	1,500	.5	N	N	50	1,000	1.5	N	N
77E[illegible]05S	46 17 59	111 46 0	3	1.5	2.0	.50	1,000	.5	N	N	30	1,500	1.0	N	N
77E[illegible]06S	46 19 18	111 46 19	5	1.5	2.0	.50	1,000	<.5	N	N	50	1,000	1.0	N	N
77LA002S	46 17 48	111 44 25	3	1.5	2.0	.70	1,000	<.5	N	N	50	1,000	1.5	N	N
77LA003S	46 18 29	111 43 54	5	1.5	2.0	.50	1,500	<.5	N	N	30	1,000	1.0	N	N
77LA004S	46 18 20	111 44 49	3	1.5	2.0	.50	700	.5	N	N	70	1,000	1.5	N	N
77LA005S	46 19 4	111 45 32	3	1.5	1.5	.50	700	1.0	N	N	70	1,000	1.5	N	N
77LA006S	46 18 50	111 48 11	5	2.0	3.0	.70	1,000	.5	N	N	20	1,500	1.5	N	N
77LA007S	46 19 0	111 48 12	5	1.0	2.0	.70	1,000	.7	N	N	50	1,500	2.0	N	N
77BG001S	46 18 50	111 46 45	3	1.5	2.0	.70	1,000	.7	N	N	50	1,500	2.0	N	N
77DT001S	46 16 44	111 44 31	7	2.0	2.0	.70	1,000	.5	N	N	50	1,000	2.0	N	N
77DT002S	46 16 33	111 45 38	5	1.5	3.0	.50	700	.7	N	N	100	1,000	1.5	N	N
77DT[illegible]3S	46 16 47	111 48 53	7	2.0	2.0	.70	1,000	<.5	N	N	50	1,000	2.0	N	N
77E[illegible]08S	46 16 47	111 44 17	5	2.0	15.0	.50	1,000	1.0	N	N	50	1,000	1.0	N	N
77E[illegible]09S	46 16 54	111 46 50	3	2.0	15.0	.50	700	.5	N	N	30	700	1.0	N	N
77EB010S	46 16 5	111 49 29	3	1.0	.7	.70	700	<.5	N	N	100	1,000	2.0	N	N
77SL011S	46 20 29	111 47 26	5	1.0	1.5	.50	1,000	.7	N	N	50	1,000	2.0	N	N
77SL012S	46 20 22	111 47 43	5	1.5	1.0	.70	700	.5	N	N	70	1,500	1.5	N	N
77SL013S	46 19 56	111 46 59	5	1.5	2.0	.70	1,000	.5	N	N	20	1,500	1.5	N	N
77SL014S	46 21 11	111 44 43	5	1.5	2.0	.70	1,000	.7	N	N	20	1,500	1.5	N	N
77LA[illegible]5S	46 20 20	111 40 8	7	1.0	2.0	.50	2,000	2.0	N	N	30	1,500	2.0	N	N
77LA[illegible]9S	46 19 56	111 46 40	5	1.5	1.5	.50	500	.5	N	N	100	1,000	3.0	N	N
77LA010S	46 20 2	111 46 20	5	1.5	2.0	.70	700	<.5	N	N	70	1,000	1.0	N	N
77LA011S	46 20 53	111 45 50	5	1.5	2.0	.70	1,000	<.5	N	N	20	1,500	1.0	N	N
77LA012S	46 21 14	111 44 44	10	2.0	3.0	1.00	1,500	1.0	N	N	20	1,500	1.0	N	N

Table 5. Geochemical data for stream sediments--continued

sample	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN
ME51SC	15	50	15	100	N	N	10	30	N	15	N	500	150	N	20	N
ME52SC	10	70	20	50	7	20	10	30	N	7	N	700	300	N	30	<200
ME53SC	20	100	30	100	N	30	20	70	N	10	N	500	300	N	70	<200
ME54SC	10	10	7	50	10	<20	5	20	N	7	N	500	100	N	50	N
ME55SC	10	30	30	150	7	30	<5	30	N	7	N	300	200	N	70	N
ME56SC	10	100	7	100	N	20	10	20	N	7	N	300	300	N	30	N
ME57SC	15	70	15	100	N	<20	15	20	N	10	N	300	500	N	30	N
ME58SC	15	70	30	30	N	30	20	30	N	15	N	300	150	N	30	<200
ME59SC	15	150	15	150	N	30	20	50	N	15	N	500	300	N	70	N
ME60SC	15	100	30	30	N	<20	30	70	N	20	N	700	200	N	30	300
ME61SC	5	20	15	<20	N	<20	5	20	N	5	N	500	150	N	15	N
77SL002S	10	30	20	30	N	N	10	150	N	10	N	500	150	<50	15	200
77SL003S	15	30	30	30	N	N	10	150	N	15	<10	700	200	<50	20	<200
77EB001S	15	70	30	50	N	<20	15	50	N	15	N	700	200	<50	20	N
77EB002S	15	100	50	30	N	<20	20	30	N	15	N	700	200	<50	20	N
77SL005S	15	150	50	30	N	<20	20	30	N	15	N	700	200	N	20	N
77SL006S	15	100	50	30	N	N	20	700	N	15	15	700	150	N	20	300
77SL007S	15	100	30	30	N	<20	20	70	N	15	N	700	200	N	30	N
77SL009S	15	50	50	50	N	<20	30	200	N	15	N	500	150	N	50	700
77EB003S	10	100	20	50	7	<20	20	30	N	10	<10	500	100	N	30	N
77EB004S	15	100	50	30	N	N	30	50	N	10	N	500	100	N	20	N
77EB005S	15	100	30	50	N	<20	30	30	N	10	N	700	100	N	20	N
77EB006S	15	150	30	30	N	N	30	20	N	15	N	700	200	N	20	N
77LA001S	15	100	30	50	N	<20	30	15	N	15	N	300	150	N	30	N
77LA003S	15	70	30	50	N	<20	30	20	N	15	N	700	200	N	30	N
77LA004S	15	70	30	30	N	<20	30	30	N	10	N	300	150	N	30	N
77LA005S	7	50	30	30	N	<20	20	30	N	10	N	300	100	N	30	N
77LA006S	20	300	50	30	N	N	70	30	N	20	N	700	200	N	30	N
77LA007S	10	50	30	50	N	<20	15	50	N	15	N	500	200	N	50	N
77BG001S	10	70	30	50	N	<20	20	50	N	10	N	700	150	N	30	N
77BT001S	15	200	70	50	N	<20	70	50	N	15	N	300	150	N	30	N
77BT002S	10	150	50	30	N	<20	30	30	N	10	N	300	100	N	20	N
77BT003S	10	100	50	50	N	<20	50	70	N	10	N	500	200	N	20	N
77EB008S	10	150	30	30	N	N	30	70	N	10	N	300	100	N	20	N
77EB009S	7	150	20	30	N	N	30	30	N	10	N	300	100	N	15	N
77EB010S	10	70	50	30	N	<20	30	50	N	10	N	150	100	N	20	N
77SL011S	7	30	50	30	N	<20	10	30	N	10	N	500	100	N	20	N
77SL012S	10	100	30	50	N	<20	30	50	N	10	N	300	150	N	30	<200
77SL013S	15	150	30	30	N	<20	30	30	N	15	N	700	150	N	30	N
77SL014S	10	30	30	30	N	<20	10	50	N	15	N	500	150	N	20	N
77LA008S	10	70	70	30	N	<20	30	30	N	15	N	300	150	<50	50	N
77LA009S	7	70	30	50	N	<20	30	30	N	10	N	200	150	N	30	N
77LA010S	15	100	30	30	N	<20	30	30	N	15	N	500	150	N	20	N
77LA011S	15	50	50	30	N	<20	15	30	N	15	N	700	150	<50	20	N
77LA012S	20	30	70	50	N	<20	10	150	N	15	N	700	150	<50	30	300

Table 5. Geochemical data for stream sediments--continued

sample	S-ZR	AA-AU-P	AA-AS	AA-ZN-P
ME51SC	300	--	--	--
ME52SC	70	--	--	--
ME53SC	70	--	--	--
ME54SC	100	--	--	--
ME55SC	300	--	--	--
ME56SC	50	--	--	--
ME57SC	150	--	--	--
ME58SC	300	--	--	--
ME59SC	300	--	--	--
ME60SC	300	--	--	--
ME61SC	200	--	--	--
77SL002S	150	--	--	150
77SL003S	150	--	--	160
77EB001S	200	--	--	100
77EB002S	200	--	--	80
77SL005S	200	--	--	120
77SL006S	150	--	--	220
77SL007S	200	--	--	100
77SL009S	150	--	--	330
77EB003S	200	--	--	70
77EB004S	200	--	--	120
77EB005S	200	--	--	90
77EB006S	200	--	--	120
77LA002S	200	--	--	70
77LA003S	300	--	--	100
77LA004S	200	--	--	90
77LA005S	300	--	--	80
77LA006S	200	--	--	100
77LA007S	300	--	--	80
77MG001S	200	--	--	90
77DT001S	300	--	--	90
77DT002S	300	--	--	100
77DT003S	200	--	--	100
77EB008S	100	--	--	100
77EB009S	100	--	--	60
77EB010S	200	--	--	110
77SL011S	200	--	--	90
77SL012S	150	--	--	140
77SL013S	150	--	--	90
77SL014S	150	--	--	120
77LA008S	200	--	--	130
77LA009S	200	--	--	110
77LA010S	200	--	--	60
77LA011S	200	--	--	80
77LA012S	150	--	--	180

Table 5. Geochemical data for stream sediments--continued

sample	LATITUDE	LONGITUD	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE	S-BI	S-CD
77BG003S	46 16 47	111 47 44	3	5.0	20.0	.20	1,000	.7	N	N	50	500	<1.0	N	N
77BG004S	46 16 54	111 48 21	1	5.0	20.0	.10	500	.5	N	N	30	300	<1.0	N	N
77BGL02S	46 16 50	111 44 35	5	1.5	1.5	.50	1,000	<.5	N	N	30	1,000	1.5	N	N
77SL015S	46 21 23	111 41 8	5	1.5	3.0	.70	1,000	.5	N	N	30	1,000	1.0	N	N
77SL016S	46 23 12	111 41 59	10	1.5	3.0	.70	1,500	1.0	N	N	15	1,000	<1.0	N	N
77SL017S	46 25 20	111 41 41	7	1.5	3.0	.50	2,000	10.0	700	N	20	1,500	1.0	70	100
77SL018S	46 26 44	111 43 8	7	1.5	3.0	.70	1,000	3.0	N	N	30	1,000	1.5	N	N
77SL019S	46 21 23	111 41 8	5	1.5	3.0	.70	1,000	<.5	N	N	20	1,000	1.0	N	N
77LA013S	46 28 47	111 50 4	10	2.0	3.0	.70	1,000	<.5	N	N	30	1,500	<1.0	N	N
77LA014S	46 28 11	111 49 35	7	1.5	3.0	.50	1,500	1.5	N	N	50	1,500	2.0	N	N
77LA015S	46 26 44	111 48 56	10	2.0	3.0	1.00	2,000	.5	N	N	70	1,000	2.0	N	N
77LA016S	46 26 59	111 50 9	7	2.0	3.0	.70	2,000	1.5	N	N	100	1,000	2.0	N	N
77LA017S	46 25 58	111 51 34	10	1.5	2.0	.70	5,000	.5	N	N	500	1,500	2.0	N	N
77EB011S	46 21 29	111 41 39	5	1.5	3.0	.70	1,500	.7	N	N	30	1,000	2.0	N	N
77EB012S	46 21 17	111 41 48	15	1.5	5.0	.50	2,000	15.0	5,000	10	50	1,000	1.5	15	70
77EB013S	46 22 54	111 42 10	10	2.0	3.0	.70	2,000	1.0	N	N	30	1,000	2.0	N	N
77EB014S	46 25 18	111 41 49	7	1.5	3.0	.50	2,000	15.0	N	N	10	1,500	2.0	N	70
77TC004S	46 28 55	111 50 12	7	2.0	3.0	.70	1,000	.5	N	N	50	1,000	2.0	N	N
77TC005S	46 28 14	111 49 29	3	1.0	3.0	.50	700	.5	N	N	15	1,500	3.0	N	N
77TC006S	46 26 48	111 48 47	15	3.0	3.0	.70	1,500	.7	N	N	30	1,000	1.5	N	N
77BG007S	46 25 38	111 50 49	5	2.0	3.0	.70	1,500	1.0	N	N	100	1,000	2.0	N	N
77BG008S	46 26 21	111 51 47	10	2.0	3.0	.70	3,000	.5	N	N	100	700	2.0	N	N
77LA018S	46 21 6	111 59 9	3	1.5	3.0	.50	1,000	1.5	N	N	30	500	3.0	N	N
77LA019S	46 21 20	111 57 7	2	1.5	3.0	.20	500	.5	N	N	70	1,500	2.0	N	N
77BG009S	46 21 5	111 59 14	7	1.5	2.0	.70	1,500	.7	N	N	50	1,000	2.0	N	N
77BG010S	46 20 52	111 57 11	7	2.0	3.0	1.00	2,000	.7	N	N	30	500	3.0	N	N
77BG011S	46 20 52	111 57 11	10	2.0	3.0	1.00	2,000	.7	N	N	50	500	2.0	N	N
77TC008S	46 24 15	111 43 45	10	.3	.7	.20	2,000	70.0	>10,000	N	50	1,000	1.5	100	50
77TC009S	46 27 20	111 43 35	10	2.0	3.0	.70	2,000	1.0	N	N	30	1,000	1.5	N	N
77SL020S	46 24 15	111 43 50	5	1.5	2.0	.50	1,000	10.0	1,500	N	50	1,000	2.0	20	N
77SL022S	46 26 3	111 44 14	10	2.0	5.0	.70	2,000	.5	N	N	20	1,000	2.0	N	N
77SL023S	46 28 27	111 43 27	5	2.0	5.0	.70	1,500	<.5	N	N	20	1,500	1.0	N	N
77BG013S	46 16 15	111 54 20	10	2.0	5.0	.70	1,500	1.5	N	N	100	1,000	2.0	N	N
77EB015S	46 21 11	111 58 26	10	1.5	3.0	.70	1,500	1.5	N	N	20	700	2.0	N	N
77EB016S	46 21 11	111 58 28	10	1.5	3.0	.70	1,500	2.0	N	N	20	700	2.0	N	N
77EB017S	46 21 11	111 58 22	10	1.5	3.0	1.00	1,500	.7	N	N	20	700	3.0	N	N
77EB018S	46 21 56	111 58 45	15	2.0	7.0	1.00	2,000	.5	N	N	20	700	1.0	N	N
77BG019S	46 20 53	111 57 11	15	3.0	7.0	1.00	2,000	.7	N	N	70	700	<1.0	N	N
77LA020S	46 25 31	111 47 8	10	2.0	3.0	1.00	3,000	1.0	N	N	100	1,000	2.0	50	N
77MG006S	46 20 56	112 0 34	10	2.0	3.0	.70	2,000	.7	N	N	30	500	2.0	N	N
77BG014S	46 16 18	111 54 24	10	2.0	5.0	.70	2,000	1.5	N	N	150	1,000	2.0	N	N
77MG022S	46 26 21	111 54 11	10	2.0	3.0	1.00	2,000	.5	N	N	50	700	3.0	N	N
77MG023S	46 25 14	111 54 23	10	1.0	1.0	.50	>5,000	2.0	N	N	70	700	10.0	N	70
77MG024S	46 25 9	111 54 25	10	1.5	2.0	.70	3,000	15.0	1,500	N	100	700	2.0	N	50
77MG025S	46 24 15	111 54 24	10	2.0	3.0	.70	1,500	.7	N	N	50	1,000	1.5	N	N

Table 5. Geochemical data for stream sediments--continued

sample	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN
77BG003S	7	50	70	20	N	N	20	70	N	7	N	150	70	N	15	N
77BG004S	5	30	30	N	N	N	10	20	N	N	N	200	50	N	15	N
77BG002S	15	100	50	30	N	<20	50	70	N	15	N	300	150	N	20	N
77SL015S	15	30	30	30	N	<20	15	50	N	15	N	500	150	<50	20	N
77SL016S	15	30	50	20	N	<20	10	100	N	15	N	500	150	<50	20	200
77SL017S	20	30	500	50	15	<20	15	1,500	N	15	10	700	150	<50	30	>10,000
77SL018S	15	100	70	30	N	<20	20	150	N	15	N	700	150	<50	30	<200
77SL019S	10	30	30	30	N	<20	10	30	N	15	N	700	150	N	20	N
77LA013S	15	150	70	50	<5	20	20	30	N	15	N	700	300	<50	30	N
77LA014S	10	15	70	30	N	<20	10	200	N	10	N	700	150	<50	30	1,000
77LA015S	10	70	30	20	N	<20	10	70	N	15	N	500	200	N	20	N
77LA016S	20	50	70	20	N	N	15	150	N	15	N	500	150	N	30	N
77LA017S	20	50	50	30	7	<20	10	100	N	15	N	500	200	N	30	200
77EB011S	10	20	30	20	N	N	5	100	N	15	N	700	100	N	20	N
77EB012S	20	50	500	20	<5	N	15	7,000	N	15	N	500	150	<50	20	>10,000
77EB013S	20	30	150	20	N	N	10	200	N	15	N	700	150	N	30	200
77EB014S	20	30	500	30	10	N	10	5,000	N	10	N	1,000	150	N	30	10,000
77[illegible]S	15	150	50	30	N	<20	20	50	N	15	N	500	200	N	20	N
77DT005S	5	10	50	20	10	<20	<5	70	N	7	N	1,000	70	N	10	N
77DT006S	20	50	50	50	5	<20	10	100	N	10	N	700	200	N	30	700
77BG007S	20	70	50	20	N	N	15	150	N	15	N	500	200	N	30	N
77BG008S	20	150	50	70	<5	<20	20	70	N	20	N	500	500	N	50	N
77LA018S	10	15	30	50	5	<20	5	100	N	15	N	500	100	N	50	<200
77LA019S	5	50	15	20	N	N	15	50	N	7	N	700	70	N	10	N
77BG009S	15	50	70	50	5	20	15	100	N	10	N	500	200	N	30	<200
77BG010S	15	50	30	50	<5	<20	15	50	N	20	N	500	200	N	70	N
77BG011S	15	70	50	300	7	20	15	50	N	20	N	500	500	70	100	N
77DT008S	5	20	2,000	N	7	<20	5	10,000	N	<5	N	500	30	150	10	1,000
77DT009S	20	500	70	20	N	N	70	70	N	20	N	700	200	N	30	N
77SL020S	10	150	200	20	N	N	50	1,500	N	10	N	700	100	50	30	N
77SL022S	20	300	50	20	N	N	70	50	N	20	N	1,000	300	N	50	N
77SL023S	10	70	30	150	N	N	10	30	N	15	N	1,000	150	N	30	N
77BG013S	20	500	100	50	N	<20	70	100	N	15	N	700	150	N	20	N
77EB015S	7	70	70	50	10	20	10	150	N	15	<10	500	200	N	100	200
77EB016S	10	50	70	50	5	<20	10	100	N	15	10	500	150	N	50	200
77EB017S	10	70	70	200	<5	20	10	50	N	15	N	500	200	N	100	N
77EB018S	20	100	50	100	N	<20	15	30	N	20	N	700	500	N	70	N
77EB019S	30	300	70	50	<5	<20	50	70	N	20	N	700	500	N	50	N
77LA020S	15	50	50	50	N	N	7	150	N	20	N	700	200	N	30	<200
77MG006S	15	30	30	50	5	<20	10	70	N	15	N	500	150	N	30	300
77BG014S	20	500	50	50	N	<20	70	100	N	20	N	1,000	200	<50	50	N
77AM002S	15	70	50	50	N	20	20	70	N	15	N	500	200	N	1,500	200
77AM003S	10	70	100	70	10	50	20	5,000	N	7	20	N	100	N	50	>10,000
77AM004S	20	50	200	50	5	20	15	1,000	N	15	<10	200	150	N	50	5,000
77AM005S	20	100	70	70	N	20	20	70	N	15	N	700	200	<50	70	N

Table 5. Geochemical data for stream sediments--continued

sample	S-ZR	AA-AU-P	AA-AS	AA-ZN-P
77[illegible]003S	100	--	--	230
77[illegible]004S	150	--	--	90
77[illegible]002S	200	--	--	100
77SL015S	200	--	--	90
77SL016S	150	--	--	200
77SL017S	200	--	--	6,500
77SL018S	200	--	--	150
77SL019S	200	--	--	90
77LA013S	700	--	--	90
77LA014S	500	--	--	500
77LA015S	200	--	--	110
77LA016S	100	--	--	140
77LA017S	300	--	--	230
77[illegible]011S	150	--	--	100
77EB012S	100	--	--	4,100
77[illegible]013S	150	--	--	210
77EB014S	100	--	--	2,700
77[illegible]004S	200	--	--	60
77[illegible]005S	200	--	--	60
77[illegible]006S	200	--	--	410
77[illegible]007S	200	--	--	130
77[illegible]008S	300	--	--	100
77LA018S	700	--	--	150
77LA019S	150	--	--	60
77[illegible]009S	500	--	--	180
77[illegible]010S	1,000	--	--	60
77[illegible]011S	>1,000	--	--	60
77[illegible]008S	100	--	--	540
77[illegible]009S	200	--	--	90
77SL020S	150	--	--	150
77SL022S	200	--	--	70
77SL023S	150	--	--	50
77[illegible]013S	150	--	--	100
77[illegible]015S	>1,000	--	--	250
77EB016S	>1,000	--	--	250
77[illegible]017S	>1,000	--	--	50
77EB018S	1,000	--	--	30
77[illegible]019S	>1,000	--	--	110
77LA020S	200	--	--	160
77[illegible]006S	700	--	--	280
77[illegible]014S	300	--	--	80
77[illegible]012S	1,000	--	--	200
77[illegible]003S	300	--	--	6,600
77[illegible]004S	700	--	--	1,800
77[illegible]005S	>1,000	--	--	70

Table 5. Geochemical data for stream sediments--continued

sample	LATITUDE	LONGITUD	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE	S-BI	S-CD
77WM006S	46 24 10	111 53 53	20	1.5	3.0	1.00	2,000	N	N	N	20	300	1.0	50	N
77WM007S	46 24 47	111 56 36	20	1.5	3.0	1.00	1,500	N	N	N	20	700	1.0	N	N
77MG001S	46 25 29	111 55 41	7	1.5	3.0	.70	1,000	<.5	N	N	30	1,000	3.0	N	N
77MG002S	46 24 12	111 53 52	15	3.0	5.0	1.00	3,000	N	N	N	50	700	1.5	N	N
77WM009S	46 23 21	111 58 5	5	1.5	3.0	.70	2,000	<.5	N	N	50	1,000	2.0	N	N
77WM010S	46 23 12	111 57 15	15	2.0	3.0	.70	2,000	.7	N	N	20	700	2.0	N	N
77WM011S	46 23 12	111 57 15	10	2.0	3.0	.70	2,000	.5	N	N	30	700	2.0	N	N
77WM012S	46 20 54	112 0 23	10	2.0	3.0	.70	2,000	1.0	N	N	30	700	2.0	N	N
77MG003S	46 23 14	111 57 11	10	2.0	3.0	.70	1,000	N	N	N	30	500	N	N	N
77MG004S	46 23 41	111 58 42	5	1.0	3.0	.50	700	N	N	N	15	700	2.0	N	N
77MG005S	46 23 17	111 59 43	15	2.0	3.0	1.00	1,000	.5	N	N	15	500	1.0	N	N
77MG006S	46 15 42	111 49 9	7	2.0	3.0	1.00	1,000	.5	N	N	20	1,000	1.5	N	N
77EB020S	46 18 24	112 1 50	15	1.5	3.0	1.00	700	N	N	N	10	700	<1.0	N	N
77EB021S	46 18 24	112 1 58	10	2.0	5.0	1.00	1,000	N	N	N	20	700	1.0	N	N
77EB022S	46 17 18	112 1 58	10	2.0	5.0	1.00	1,000	N	N	N	20	700	1.0	N	N
77EB023S	46 15 48	112 2 0	5	2.0	5.0	1.00	1,500	N	N	N	50	700	1.5	N	N
77EB024S	46 15 16	112 1 14	7	2.0	5.0	.70	1,500	N	N	N	100	700	2.0	N	N
77SL024S	46 25 27	111 47 9	10	2.0	5.0	1.00	1,500	1.0	N	N	30	1,000	1.5	N	N
77SL025S	46 25 33	111 47 3	10	2.0	5.0	1.00	1,500	.5	N	N	30	1,000	1.0	N	N
77DT010S	46 18 24	112 1 37	15	3.0	5.0	1.00	1,500	.5	N	N	30	700	1.0	N	N
77DT011S	46 18 24	112 1 37	--	--	--	--	--	--	--	--	--	--	--	--	--
77DT012S	46 17 11	112 1 59	10	2.0	5.0	.70	1,500	N	N	N	30	1,000	1.5	N	N
77DT013S	46 17 7	112 3 7	15	2.0	5.0	.70	1,500	.5	N	N	30	1,000	2.0	N	N
77DT014S	46 15 17	112 1 18	7	3.0	7.0	.70	200	N	N	N	30	1,500	2.0	N	N
77LA021S	46 16 51	111 59 3	15	3.0	5.0	1.00	300	N	N	N	70	1,000	1.0	N	N
77EB025S	46 25 9	111 46 20	15	2.0	5.0	1.00	300	.7	N	N	50	1,500	2.0	N	N
77MG007S	46 16 47	111 56 57	>20	3.0	10.0	.70	300	2.0	N	N	50	1,500	<1.0	100	N
77MG008S	46 16 11	111 55 14	10	2.0	5.0	.70	200	3.0	N	N	300	1,500	2.0	N	N
77MG009S	46 14 35	111 55 37	5	1.5	1.0	.70	2,000	1.0	N	N	150	1,500	2.0	N	N
77DT015S	46 16 51	111 58 5	>20	3.0	5.0	>1.00	3,000	N	N	N	50	1,000	1.0	N	N
77DT016S	46 17 0	111 58 8	15	3.0	7.0	>1.00	3,000	<.5	N	N	70	1,000	1.0	N	N
77DT017S	46 14 44	111 58 19	3	1.0	2.0	.70	1,500	.5	N	N	100	1,500	1.5	N	N
77WM013S	46 16 51	111 58 50	15	2.0	3.0	.70	2,000	.5	N	N	70	1,000	1.5	N	N
77WM014S	46 16 26	111 58 56	20	3.0	5.0	>1.00	3,000	N	N	N	100	1,000	<1.0	N	N
77WM015S	46 16 27	111 58 58	5	2.0	2.0	.70	2,000	.5	N	N	100	1,500	2.0	N	N
77WM016S	46 15 38	111 57 46	5	2.0	5.0	.70	1,000	.7	N	N	100	1,500	1.5	N	N
77EB026S	46 29 26	111 46 26	3	1.5	3.0	.70	1,500	1.5	N	N	100	1,500	2.0	N	N
77EB027S	46 28 55	111 45 39	5	2.0	3.0	.70	1,500	.5	N	N	150	1,500	1.5	N	N
77LA022S	46 17 47	111 44 26	5	2.0	3.0	.70	1,500	<.5	N	N	100	1,500	1.5	N	N
77MG015S	46 26 43	111 56 9	5	1.0	2.0	.70	700	N	N	N	20	700	3.0	N	N
77WM034S	46 20 34	111 54 10	10	3.0	5.0	1.00	3,000	.5	N	N	50	700	1.0	N	N
77WM036S	46 20 40	111 51 57	10	3.0	5.0	1.00	1,500	1.5	N	N	200	1,000	1.0	N	N
77WM037S	46 18 38	111 53 26	7	2.0	3.0	.70	1,500	1.5	N	N	300	1,000	1.0	N	N
77WM038S	46 18 45	111 53 12	7	2.0	5.0	.70	1,500	1.5	N	N	30	1,000	1.5	N	N
77WM039S	46 19 22	111 52 37	10	2.0	5.0	.70	1,500	3.0	N	N	50	1,000	<1.0	N	N

Table 5. Geochemical data for stream sediments--continued

sample	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN
77WM036S	20	300	50	100	<5	20	20	50	N	15	N	200	1,000	50	150	N
77WM037S	20	150	30	200	N	20	20	30	N	15	N	500	1,000	N	50	N
77MG021S	15	70	70	100	5	20	10	50	N	15	10	700	150	N	50	N
77MG022S	30	150	30	150	N	20	20	50	N	20	N	700	500	N	30	N
77WM009S	15	30	30	30	N	<20	10	100	N	10	N	700	100	N	30	N
77WM010S	20	150	50	50	N	20	15	50	N	15	N	500	500	50	70	N
77WM011S	20	150	50	50	<5	20	15	50	N	20	N	700	500	N	70	N
77WM012S	20	100	70	70	7	20	15	200	N	15	N	700	500	N	100	500
77MG003S	15	100	30	150	5	<20	20	30	N	15	N	500	500	50	70	N
77MG004S	7	30	20	100	N	N	5	50	N	10	N	500	150	N	20	N
77MG005S	15	200	50	150	20	20	15	50	N	15	N	500	700	N	70	200
77MG006S	15	100	50	30	N	<20	15	100	N	15	N	700	200	N	50	N
77EM020S	15	200	30	70	<5	20	15	30	N	15	N	500	700	N	70	N
77EM021S	15	100	30	100	N	<20	15	30	N	20	N	500	500	N	70	N
77EM022S	15	50	30	30	N	<20	15	20	N	20	N	500	500	N	50	N
77EM023S	20	50	50	50	N	<20	20	30	N	20	N	500	200	N	50	N
77EM024S	20	200	30	70	N	<20	30	20	N	20	100	700	200	N	50	N
77SL024S	20	100	70	50	N	<20	20	100	N	20	N	700	300	N	50	N
77SL025S	15	100	30	50	N	<20	10	70	N	20	N	700	300	N	50	N
77 TC10S	20	150	30	100	5	20	50	50	N	20	N	700	500	N	70	N
77BTC11S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
77BTC12S	20	100	50	200	N	20	15	30	N	20	<10	700	300	N	100	N
77BTC13S	15	100	100	200	<5	20	15	50	N	20	N	700	300	N	100	N
77BTC14S	20	70	50	100	N	20	20	30	N	30	N	700	200	N	70	N
77LA021S	30	300	70	100	<5	<20	30	50	N	20	N	500	700	N	100	N
77EM025S	15	70	70	50	N	20	10	100	N	20	N	700	300	N	70	N
77MG007S	15	100	2,000	N	N	N	10	50	N	10	100	150	200	N	50	1,000
77MG008S	15	200	100	50	N	N	50	150	N	15	N	500	200	N	50	200
77WM029S	15	150	70	30	N	<20	50	100	N	10	N	150	150	N	100	N
77BTC15S	30	3,000	150	50	N	20	50	30	N	15	N	150	1,500	N	100	N
77BTC16S	15	500	70	50	5	20	50	30	N	20	N	300	1,000	N	70	N
77BTC17S	7	50	20	50	N	<20	10	50	N	10	N	500	100	N	30	N
77WM013S	20	200	50	100	7	20	30	30	N	20	N	500	300	N	70	N
77WM014S	20	1,000	200	100	N	20	30	30	N	20	N	300	700	N	70	N
77WM015S	20	150	100	50	N	20	50	150	N	15	N	300	150	N	50	N
77WM016S	15	150	30	30	N	<20	50	50	N	20	N	700	150	N	30	N
77EM026S	15	70	50	50	N	<20	20	100	N	20	N	700	100	N	50	N
77EM027S	15	70	50	50	N	<20	10	100	N	20	N	700	150	N	30	N
77LA022S	15	70	30	30	N	<20	20	30	N	15	N	700	150	N	30	N
77MG015S	10	50	50	70	5	30	15	70	N	10	<10	300	100	N	70	N
77WM034S	30	700	70	50	10	<20	30	30	N	20	N	500	200	N	50	N
77WM035S	20	500	70	50	N	N	50	70	N	15	N	700	150	N	30	N
77WM037S	20	150	100	20	N	N	50	150	N	10	10	700	150	N	20	N
77WM038S	20	150	100	30	N	N	30	100	N	15	N	700	150	N	30	N
77WM039S	20	300	50	30	N	N	50	100	N	15	N	500	200	N	20	N

Table 5. Geochemical data for stream sediments--continued

sample	S-ZR	AA-AU-P	AA-AS	AA-ZN-P
77AM006S	>1,000	--	--	60
77AM007S	>1,000	--	--	30
77MG001S	>1,000	--	--	80
77MG002S	>1,000	--	--	40
77AM009S	500	--	--	70
77AM010S	>1,000	--	--	50
77AM011S	>1,000	--	--	70
77AM012S	>1,000	--	--	410
77MG003S	>1,000	--	--	40
77MG004S	700	--	--	50
77MG005S	>1,000	--	--	240
77EG006S	200	--	--	110
77EM020S	>1,000	--	--	60
77EB021S	>1,000	--	--	50
77EB022S	1,000	--	--	70
77EB023S	1,000	--	--	90
77EB024S	700	--	--	30
77EL025S	700	--	--	110
77SL026S	300	--	--	70
77DT010S	1,000	--	--	70
77DT011S	--	--	--	--
77DT012S	>1,000	--	--	60
77DT013S	>1,000	--	--	100
77DT014S	1,000	--	--	30
77LA021S	>1,000	--	--	80
77EG025S	200	--	--	100
77MG007S	500	--	--	170
77MG008S	500	--	--	140
77MG009S	1,000	--	--	110
77DT015S	>1,000	--	--	60
77DT016S	>1,000	--	--	60
77DT017S	300	--	--	70
77AM013S	>1,000	--	--	50
77AM014S	>1,000	--	--	50
77AM015S	700	--	--	130
77AM016S	500	--	--	50
77EB026S	500	--	--	70
77EB027S	300	--	--	120
77LA002S	300	--	--	70
77MG015S	300	--	--	90
77AM034S	500	--	--	100
77AM036S	200	--	--	120
77AM037S	150	--	--	170
77AM038S	200	--	--	130
77AM039S	200	--	--	200

Table 5. Geochemical data for stream sediments--continued

sample	LATITUDE	LONGITUD	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE	S-BI	S-CD
77MG017S	46 20 35	111 54 11	15	3.0	5.0	1.00	1,500	<.5	N	N	100	700	<1.0	N	N
77MG019S	46 20 35	111 50 4	10	2.0	5.0	.70	1,500	1.0	N	N	100	1,000	1.0	N	N
77MG019S	46 19 49	111 51 29	10	2.0	3.0	.70	1,500	1.0	N	N	70	1,000	1.5	N	N
77MG020S	46 19 33	111 51 34	5	2.0	2.0	.70	500	.7	N	N	70	700	1.0	N	N
77MG021S	46 19 8	111 51 44	10	1.5	3.0	1.00	1,500	.5	N	N	70	1,000	2.0	N	N
77MG022S	46 19 5	111 51 28	10	2.0	5.0	1.00	1,000	.7	N	N	70	1,000	1.0	N	N
77MG023S	46 20 38	111 50 31	10	2.0	5.0	.70	1,000	.5	N	N	150	1,000	<1.0	N	N
77MG016S	46 20 35	111 54 14	15	3.0	7.0	>1.00	1,500	1.5	N	N	100	700	<1.0	N	N
77MG012S	46 16 41	111 56 23	7	2.0	3.0	.70	1,500	7.0	N	N	100	700	1.0	N	N
77MG023S	46 18 51	111 59 52	10	2.0	3.0	.70	1,500	N	N	N	20	500	<1.0	N	N
77SL048S	46 26 2	111 55 14	5	1.0	2.0	.70	1,000	N	N	N	30	300	5.0	N	N
77M026S	46 18 39	112 1 9	7	1.5	2.0	.70	1,000	.5	N	N	30	700	1.0	N	N
77M027S	46 18 39	112 1 9	7	1.5	2.0	.70	1,000	.5	N	N	30	700	1.0	N	N
77T019S	46 18 55	111 58 47	5	2.0	3.0	.70	1,000	.5	N	N	50	700	1.0	N	N
77T021S	46 18 35	112 1 9	5	2.0	3.0	.50	1,000	.5	N	N	20	700	1.0	N	N
77M028S	46 22 54	111 49 27	5	1.0	1.5	.70	1,000	N	N	N	30	1,000	1.0	N	N
77M029S	46 21 53	111 49 32	5	1.0	1.5	.70	1,000	N	N	N	30	700	1.0	N	N
77M030S	46 22 5	111 52 59	15	1.5	2.0	1.00	2,000	N	N	N	20	200	<1.0	N	N
77MG010S	46 22 58	111 49 32	5	1.5	2.0	.50	1,000	<.5	N	N	20	700	1.0	N	N
77MG011S	46 22 54	111 49 37	7	1.5	3.0	.70	2,000	.5	N	N	50	700	1.0	N	N
77MG012S	46 21 47	111 50 44	3	1.5	1.5	.70	3,000	1.0	N	N	100	700	<1.0	N	N
77MG013S	46 21 47	111 50 44	7	1.5	2.0	.70	2,000	1.5	N	N	200	700	1.0	N	N
77MG014S	46 22 4	111 51 55	7	1.5	1.5	.70	>5,000	.5	N	N	50	700	1.0	N	N
77MG033S	46 26 35	111 56 4	2	.2	2.0	.15	500	N	N	N	10	300	7.0	N	N
77MG024S	46 20 57	111 48 42	10	1.0	2.0	.70	1,500	.5	N	N	50	1,000	2.0	N	N
77MG025S	46 22 30	111 48 5	7	1.0	2.0	.70	1,000	.7	N	N	50	1,000	3.0	N	N
77MG026S	46 22 26	111 47 58	10	1.0	2.0	.70	1,500	.7	N	N	50	1,000	1.5	N	N
77EG045S	46 19 5	112 1 40	15	1.5	3.0	.50	1,500	N	N	N	20	700	2.0	N	N
77EG046S	46 19 14	112 1 50	7	1.5	3.0	.50	1,500	N	N	N	30	700	1.5	N	N
77EG047S	46 19 14	112 1 59	10	2.0	5.0	.70	1,500	N	N	N	50	700	2.0	N	N
77SG048S	46 18 43	112 2 4	5	1.5	3.0	.70	1,500	<.5	N	N	30	700	2.0	N	N
77M[illegible]S	46 21 5	111 57 34	5	1.5	3.0	.50	1,000	N	N	N	20	500	2.0	N	N
77SL035S	46 20 34	111 59 47	5	1.5	2.0	.50	700	1.0	N	N	30	700	3.0	N	N
77MG027S	46 18 36	111 54 10	5	2.0	3.0	.70	1,500	2.0	N	N	100	700	1.5	10	N
77MG028S	46 18 36	111 54 10	7	2.0	5.0	.70	2,000	2.0	N	N	100	700	1.5	10	N
77M033S	46 25 14	111 54 23	5	1.0	1.0	.30	>5,000	2.0	N	N	70	300	10.0	N	50
77M032S	46 20 41	111 57 55	7	2.0	3.0	.70	1,500	2.0	N	N	30	500	3.0	N	N
77M034S	46 18 32	111 54 29	5	2.0	3.0	.50	3,000	5.0	N	N	100	700	2.0	N	N
77M109S	46 15 36	111 58 9	5	1.5	5.0	.70	700	<.5	N	N	50	1,000	<1.0	N	N
77SL104S	46 24 10	111 53 7	10	2.0	3.0	.70	1,500	.5	N	N	70	700	1.0	N	N
77M122S	46 16 54	111 49 4	7	1.5	2.0	.70	700	.7	N	N	50	1,000	2.0	N	N
77MG030S	46 16 27	111 47 25	3	3.0	15.0	.70	700	.7	N	N	50	700	1.5	N	N

Table 5. Geochemical data for stream sediments--continued

sample	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN
77MG017S	30	500	50	50	N	<20	50	50	[illegible]	15	N	500	200	N	30	N
77MG018S	20	500	70	50	N	<20	70	100	N	20	N	700	200	N	50	N
77MG019S	30	500	70	50	N	<20	70	70	N	20	N	500	200	N	30	N
77MG020S	10	700	30	20	N	N	100	50	N	15	N	300	150	N	20	N
77MG021S	10	150	50	70	N	<20	20	100	N	15	N	500	150	N	50	N
77MG022S	15	300	50	50	N	<20	50	100	N	20	N	700	200	N	30	N
77MG023S	20	300	30	30	N	<20	50	70	N	20	N	700	200	N	30	N
77MG016S	30	1,000	70	50	5	20	100	70	N	20	N	500	1,000	N	50	N
77MG012S	20	150	70	70	N	<20	70	300	N	15	<10	300	150	N	50	300
77MG023S	15	150	30	50	N	<20	50	30	N	20	N	500	200	<50	30	N
77SL048S	15	30	50	70	<5	20	15	30	N	15	N	500	150	<50	70	N
77MW026S	20	50	50	50	<5	<20	20	30	N	20	N	300	150	<50	50	N
77MW027S	20	70	50	50	7	<20	20	30	N	20	N	300	150	70	50	N
77DT019S	15	150	20	50	5	20	30	30	N	20	N	500	150	N	50	N
77DT021S	15	100	30	50	<5	<20	30	30	N	15	N	500	150	N	30	N
77MW028S	15	50	20	30	N	<20	15	30	N	15	N	300	150	N	30	N
77MW029S	15	50	20	30	N	N	10	30	N	15	N	300	150	N	20	N
77MW030S	30	5,000	30	30	N	30	50	20	N	10	N	200	1,000	N	50	N
77MG010S	15	70	30	50	N	N	15	50	N	15	N	300	150	N	30	N
77MG011S	15	50	30	50	N	<20	15	50	N	20	N	500	200	N	50	N
77MG012S	15	30	30	50	N	N	15	50	N	15	N	300	150	N	30	N
77MG013S	30	50	30	50	N	<20	20	70	N	15	N	300	150	N	50	200
77MG014S	150	30	30	30	5	<20	30	30	N	15	N	300	150	N	50	200
77MW033S	5	15	5	30	N	30	7	30	N	<5	N	200	50	N	100	N
77MG024S	10	100	50	50	N	<20	20	50	N	15	N	500	200	N	30	N
77MG025S	15	70	30	50	N	<20	20	30	N	15	N	500	150	N	70	N
77MG026S	15	70	30	50	N	<20	20	50	N	15	N	500	200	N	50	N
77EB045S	15	100	30	50	N	30	20	30	N	20	N	500	300	N	70	N
77EB046S	20	70	70	50	5	<20	20	70	N	20	N	300	150	N	50	N
77EB047S	20	50	70	50	5	30	20	50	N	20	N	500	200	N	70	N
77EB048S	15	50	70	50	7	20	20	50	N	20	N	500	150	N	50	N
77MW100S	10	50	15	70	5	20	10	20	N	15	10	500	150	N	50	N
77SL075S	15	50	100	70	10	20	20	100	N	15	N	300	150	N	50	700
77MG027S	15	100	70	20	5	N	20	150	N	15	N	500	150	N	20	N
77MG028S	15	100	70	20	5	N	30	150	N	15	N	500	200	N	20	N
77MW003S	10	50	150	100	10	50	15	2,000	N	10	20	N	100	N	1,500	10,000
77MW102S	15	50	70	100	5	20	15	70	N	20	N	500	200	<50	70	N
77MW104S	15	150	70	50	<5	N	50	150	N	15	N	500	150	N	30	200
77MW109S	7	150	20	50	N	N	20	30	N	15	N	500	150	N	30	N
77SL104S	15	100	30	70	<5	<20	20	70	N	20	N	300	200	N	50	N
77MW122S	15	500	50	30	N	<20	50	50	N	15	N	500	200	N	30	N
77MG030S	15	200	30	30	N	N	50	50	N	15	N	300	100	N	30	N

Table 5. Geochemical data for stream sediments--continued

sample	S-ZR	AA-AU-P	AA-AS	AA-ZN-P
77MG017S	300	--	--	70
77MG018S	200	--	--	110
77MG019S	150	--	--	120
77MG020S	150	--	--	50
77MG021S	300	--	--	100
77MG022S	200	--	--	120
77MG023S	300	--	--	70
77MG016S	700	--	--	120
77MG012S	500	--	--	320
77MW023S	1,000	--	--	80
77SL048S	1,000	--	--	100
77MW026S	700	--	--	130
77MW027S	1,000	--	--	130
77MG019S	300	--	--	70
77MG021S	500	--	--	100
77MW028S	200	--	--	110
77MW029S	150	--	--	120
77MW030S	>1,000	--	--	50
77MG010S	200	--	--	110
77MG011S	300	--	--	100
77MG012S	100	--	--	210
77MG013S	150	--	--	240
77MG014S	150	--	--	230
77MW033S	700	--	--	90
77MG024S	300	--	--	100
77MG025S	150	--	--	90
77MG026S	500	--	--	100
77EB045S	1,000	--	--	70
77EB046S	300	--	--	140
77EB047S	>1,000	--	--	90
77EB048S	700	--	--	70
77MW100S	700	--	--	30
77SL075S	500	--	--	800
77MG027S	100	--	--	180
77MG028S	100	--	--	210
77MW003S	200	--	--	8,700
77MW102S	1,000	--	--	120
77MW104S	100	--	--	230
77MW109S	150	--	--	50
77SL104S	200	--	--	140
77MW122S	200	--	--	80
77MG030S	300	--	--	90