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Geochemical Data for 608 Heavy-mineral Concentrates from
the Northeast part of the Greenville 1° x 2° Quadrangle,
South Carolina, by Semi-quantitative Emission
Spectrography

by

John C. Jackson¹ and Betty M. Adrian²

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Geochemical data for 608 Heavy Mineral Concentrates from the
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Introduction

Geochemical analysis of 608 heavy-mineral concentrate samples taken from streams in the northeast part of the Greenville 1° x 2° quadrangle, South Carolina, are given in this report (table 1). This data supplements a quadrangle-wide assessment prepared under the Conterminous United States Mineral Resource Assessment Program (CUSMAP) of the U. S. Geological Survey (Lesure and others, in prep.). Statistical evaluations, element distribution maps, and discussions concerning the data are found in Curtin and others (in prep.) and Jackson and Moore (in prep.).

The samples analyzed in this study represent the heavy resistate minerals derived from rocks of the Inner Piedmont province of South Carolina. The rocks within the sampling area consist primarily of layered micaceous schists, sillimanite-mica schists, and biotite gneisses; inter-layered with minor amounts of amphibolite, quartzite, and hornblende gneiss (Nelson and others 1989). Extensive areas of granite and granitic gneisses of mostly Paleozoic age are present within the sampling area (Nelson and others 1989).

Sample collection and preparation

The concentrates analyzed in this study were selected from archived samples originally collected in 1952 by D.W. Caldwell and N.P. Cuppels of the U.S. Geological Survey (USGS), as part of a program by the USGS to appraise monazite occurrences in the southeastern United States (Overstreet and others 1968). We selected these previously collected samples in order to avoid a costly and time consuming resampling of the study area. The 608 samples reported here represent 535 locations, the remainder are replicates.

The sampling method is described in detail by Overstreet and others (1968) and is summarized here only briefly. Samples of gravel or sand were dug from riffles in the present channels of streams. They were wet sieved through a 1/8 inch screen and the coarser material discarded prior to panning a volume of material that roughly filled a 16 inch diameter stainless steel gold pan.

The minerals of specific gravity below 2.89 g/cm³, including quartz and feldspar, were removed from the concentrate by floating them in bromoform. The ferro-magnetic and strongly para-magnetic fractions of the concentrates were then removed using a Frantz isodynamic separator; the magnetic separation method used is outlined in detail in Jackson and Moore (in prep).

Analytical Method

The high-density, para-magnetic fractions of the concentrates were analyzed for 31 elements using a six-step, semiquantitative, emission spectrographic method (Grimes and Marranzino 1968). This spectrographic method reports values, in percent or ppm, as one of six steps per order of magnitude (1, 0.7, 0.5, 0.3, 0.2, 0.15, and multiples of 10 of these numbers), and these values are the approximate geometric midpoints of the concentration ranges whose boundaries are 1.2, 0.83, 0.56, 0.38, 0.26, 0.18, 0.12, ect.. The analytical uncertainty of the method is ± 1 reporting interval 83 percent of the time and ± 2 reporting intervals 96 percent of the time (Matooka and Grimes 1976).

The lower limits of detection, or first reporting interval, for elements reported in percent are as follows: Fe(.1), Mg(.05), Ca(.1), and Ti(.005). The lower limit of detection, or first reporting interval, for elements reported in parts per million are as follows: Ag(1), As(500), Au(20), B(20), Ba(50), Be(2), Bi(20), Cd(50), Co(10), Cr(20), Cu(10), La(50), Mn(20), Mo(10), Nb(50), Ni(10), Pb(20), Sb(200), Sc(10), Sn(20), Sr(200), Th(200), V(20), W(100), Y(20), Zn(500), and Zr(20).

References

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- Jackson, J.C., and Moore, W.J., (in prep.) Geochemical study of heavy mineral concentrates from the northeast part of the Greenville 1° x 2° quadrangle, South Carolina: U.S. Geological Survey Bulletin ____.

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Matooka, J.M., and Grimes, D.J., 1976, Analytical precision of one-sixth order semiquantitative spectrographic analysis: U.S. Geological Survey Circular 738, 25p.

Nelson, A.E., Horton, J.W., Jr., and Clarke, J.W., 1989, Geologic map of the Greenville 1° x 2° quadrangle, GA, SC, and NC: U.S. Geological Survey open-file report 89-9.

Overstreet, W.C., White, A.M., Whitlow, J.W., Theobald, P.K., Caldwell, D.W., and Cuppels, N.P., 1968, Fluvial monazite deposits in the Southeastern United States: U.S. Geological Survey Professional Paper 568.

Table 1. Sample numbers, locations, and major and trace elements by semiquantitative emission spectrography; replicates shown by an "x" beside the sample number and indicates replication of the previous sample; N, not detected; L, detected but less than the value for the first reporting interval; G, greater than the value shown in parenthesis; all values are in parts per million, except where noted.

Sample No.	Latitude deg min sec	Longitude deg min sec	Fe(%)	Mg(%)	Ca(%)	Ti(%)	Mn	Ag	As	Au	B	Ba	Be	Bi	Cd	Co
52-CS-226	34 58 2	82 0 43	0.15	0.05	N	G(2)	30	N	N	N	L	N	N	N	N	N
52-CS-226	34 58 2	82 0 43	0.15	0.05	N	G(2)	30	N	N	N	L	N	N	N	N	N
52-CS-351	34 53 14	82 0 1	0.5	0.05	N	G(2)	70	N	N	N	200	N	20	N	N	N
52-CS-352	34 53 26	82 0 5	0.5	0.05	N	G(2)	70	N	N	N	300	N	50	N	N	N
52-CS-353	34 53 50	82 0 2	0.3	0.05	N	G(2)	30	N	N	N	500	N	50	N	N	N
52-CS-355	34 54 30	82 1 56	0.5	L	0.2	G(2)	150	N	N	N	20	L	N	N	N	N
52-CS-356	34 54 36	82 1 40	0.2	L	N	G(2)	L	N	N	N	50	N	20	N	N	N
52-CS-357	34 54 39	82 1 47	0.2	L	N	G(2)	50	N	N	N	30	N	N	N	N	N
52-CS-358	34 54 39	82 1 47	0.2	0.05	L	G(2)	1000	N	N	N	70	N	N	N	N	L
52-CS-359	34 55 44	82 1 40	0.1	N	N	G(2)	30	N	N	N	500	N	N	N	N	N
52-CS-361	34 56 23	82 1 6	0.2	0.05	L	G(2)	50	5	N	N	2	N	2	N	N	N
52-CS-362	34 56 23	82 1 6	0.2	N	N	G(2)	L	N	N	N	50	N	N	N	N	N
52-CS-363	34 56 33	82 1 11	0.3	N	N	G(2)	70	N	N	N	20	L	N	N	N	N
52-CS-364	34 56 26	82 2 23	0.3	L	N	2	100	N	N	N	N	N	N	N	N	N
52-CS-365	34 56 26	82 2 36	0.3	N	0.5	2	100	N	N	N	N	N	N	N	N	N
52-CS-366	34 56 46	82 2 12	0.1	N	N	G(2)	30	N	N	N	N	N	N	N	N	N
52-CS-367	34 57 53	82 2 42	0.2	N	L	1	70	N	N	N	N	N	N	N	N	N
52-CS-368	34 58 53	82 2 58	0.1	0.07	0.05	G(2)	500	N	N	N	N	N	N	N	N	10
52-CS-369	34 59 47	82 2 42	0.3	0.05	0.1	2	70	N	N	N	N	N	N	N	N	N
52-CS-370	34 56 55	82 2 53	0.2	N	L	1.5	50	N	N	N	N	N	N	N	N	N
52-CS-371	34 57 48	82 3 33	0.15	N	L	0.5	30	N	N	N	L	N	N	N	N	N
52-CS-372	34 59 10	82 4 19	0.2	N	L	0.7	50	N	N	N	L	N	N	N	N	N
52-CS-373	34 58 5	82 6 14	0.5	0.05	0.1	1.5	100	N	N	N	L	N	N	N	N	N
52-CS-374	34 54 28	82 2 19	0.1	L	N	G(2)	30	N	N	N	20	N	N	N	N	N
52-CS-375	34 55 1	82 3 6	0.15	L	N	0.7	50	N	N	N	300	N	N	N	N	N
52-CS-376	34 55 31	82 3 51	2	0.05	1	1.5	700	2	N	N	150	N	N	N	N	15
52-CS-378	34 57 26	82 6 14	1	0.07	0.5	2	200	N	N	N	N	N	N	N	N	N
52-CS-390	34 51 48	82 1 40	0.3	N	L	G(2)	70	N	N	N	N	N	7	N	N	N
52-CS-391	34 51 48	82 1 40	0.2	0.05	N	G(2)	30	N	N	N	L	N	7	N	N	N
52-CS-392	34 52 2	82 2 31	0.2	0.05	N	G(2)	20	N	N	N	L	N	7	N	N	N
52-CS-393	34 53 8	82 2 12	0.2	L	N	G(2)	20	N	N	N	200	N	10	N	N	N
52-CS-436	34 58 33	82 7 16	0.2	N	N	2	50	N	N	N	L	N	N	N	N	N
52-CS-479	34 58 40	82 14 44	1	L	0.2	G(2)	1000	N	N	N	20	N	N	N	N	N
52-CS-482	34 58 40	82 14 44	0.3	L	0.2	G(2)	70	N	N	N	150	N	30	N	N	N
52-CS-514	34 52 1	82 6 26	0.2	L	0.2	G(2)	50	N	N	N	N	N	20	N	N	N
52-CS-516	34 50 46	82 6 35	0.3	0.1	N	G(2)	30	N	N	N	1000	N	100	N	N	N
52-CS-519	34 49 27	82 7 39	1	L	N	G(2)	500	N	N	N	30	N	70	N	N	N
52-CS-525	34 49 17	82 0 52	1.5	N	L	G(2)	700	N	N	N	20	N	100	N	N	N
52-CS-529	34 47 26	82 5 20	0.3	N	1	G(2)	700	N	N	N	100	N	3	N	N	N
52-CS-532	34 46 24	82 2 32	1.5	L	2	G(2)	700	N	N	N	100	N	20	N	N	20
52-CS-536	34 47 57	82 2 12	0.3	N	0.2	G(2)	100	N	N	N	700	N	20	N	N	N
52-CS-537	34 47 28	82 1 26	1	0.3	0.5	G(2)	300	N	N	N	20	N	3	N	N	N
52-CS-549	34 58 38	82 21 3	0.5	0.05	0.15	G(2)	100	N	N	N	20	70	50	N	N	N
52-CS-550	34 58 29	82 23 34	0.1	L	N	G(2)	20	N	N	N	L	N	15	N	N	N
52-CS-551	34 57 59	82 23 48	0.3	L	0.1	G(2)	50	N	N	N	L	N	200	N	N	N
52-CS-561	34 56 32	82 22 17	0.5	L	N	G(2)	30	N	N	N	L	N	200	N	N	N
52-CS-563	34 55 57	82 20 9	0.5	L	N	G(2)	50	N	N	N	150	L	200	N	N	N
52-CS-568	34 55 58	82 22 16	0.5	L	N	G(2)	30	N	N	N	L	N	200	N	N	N
52-CS-572	34 55 21	82 21 14	0.3	L	N	G(2)	100	N	N	N	200	N	500	N	N	N
52-CS-573	34 55 32	82 21 10	0.3	L	N	G(2)	50	N	N	N	150	N	300	N	N	N
52-CS-574	34 55 32	82 21 10	0.3	L	N	G(2)	30	N	N	N	500	N	300	N	N	N
52-CS-575	34 55 10	82 20 59	0.3	L	N	G(2)	50	N	N	N	200	N	300	N	N	N
52-CS-577	34 55 48	82 19 60	0.5	L	N	G(2)	20	N	N	N	500	N	300	N	N	N
52-CS-578	34 55 29	82 18 16	0.7	L	N	G(2)	70	N	N	N	500	N	500	N	N	N
52-CS-580	34 54 53	82 17 58	0.2	L	N	G(2)	20	N	N	N	300	N	50	N	N	N
52-CS-584	34 53 5	82 21 31	0.5	L	N	G(2)	20	N	N	N	30	N	70	N	N	L

Table 1 (continued)

Sample No.	Cr	Cu	La	Mo	Nb	Ni	Pb	Sb	Sc	Sn	Sr	Th	V	W	Y	Zn	Zr
52-CS-226	200	L	G(2000)	N	L	100	100	N	150	L	N	1500	70	N	1000	N	G(2000)
52-CS-351	300	L	G(2000)	N	150	50	50	N	70	L	N	700	200	N	700	N	G(2000)
52-CS-352	300	N	G(2000)	N	100	50	100	N	50	70	N	300	300	N	500	N	G(2000)
52-CS-353	200	L	G(2000)	N	100	30	30	N	70	30	N	700	300	N	700	N	G(2000)
52-CS-355	100	N	1000	N	L	10	N	N	70	N	N	L	150	N	1000	N	G(2000)
52-CS-356	200	N	1500	N	150	100	L	N	150	50	N	200	300	N	700	N	G(2000)
52-CS-357	100	N	G(2000)	N	100	30	L	N	150	30	L	500	150	N	700	N	G(2000)
52-CS-358	100	L	G(2000)	N	L	20	50	N	100	N	N	1500	100	N	1000	N	G(2000)
52-CS-359	150	10	1500	N	50	30	L	N	100	20	N	L	100	N	700	N	G(2000)
52-CS-361	200	10	G(2000)	N	50	70	150	N	G(200)	150	N	G(5000)	100	N	2000	N	G(2000)
52-CS-362	150	N	G(2000)	N	100	30	30	N	200	100	N	700	200	N	1000	N	G(2000)
52-CS-363	300	N	G(2000)	N	70	15	20	N	150	150	N	300	150	N	700	N	G(2000)
52-CS-364	100	L	G(2000)	N	N	50	20	N	150	L	L	700	70	N	1000	N	G(2000)
52-CS-365	N	N	200	N	N	15	N	N	50	L	L	N	70	N	700	N	G(2000)
52-CS-366	100	N	G(2000)	N	L	50	150	N	200	70	N	300	70	N	1000	N	G(2000)
52-CS-367	N	N	500	N	N	20	N	N	100	N	N	L	50	N	1000	N	G(2000)
52-CS-368	N	N	150	N	N	15	N	N	100	N	N	150	150	N	1000	N	G(2000)
52-CS-369	N	L	500	N	50	20	N	N	100	30	N	200	70	N	700	N	G(2000)
52-CS-370	N	N	700	N	N	20	N	N	50	N	N	L	30	N	700	N	G(2000)
52-CS-371	N	N	500	N	N	30	N	N	70	N	L	N	30	N	700	N	G(2000)
52-CS-372	N	N	1000	N	N	20	N	N	100	N	L	N	30	N	700	N	G(2000)
52-CS-373	20	N	700	N	N	20	N	N	50	30	L	L	70	N	500	N	G(2000)
52-CS-374	50	N	G(2000)	N	70	15	30	N	100	N	L	500	100	N	1000	1000	G(2000)
52-CS-375	200	L	G(2000)	N	N	100	30	N	200	N	L	300	30	N	1000	N	G(2000)
52-CS-376	200	L	500	N	N	20	30	N	30	N	L	N	300	N	500	N	G(2000)
52-CS-378	200	N	1500	N	N	10	L	N	70	N	L	200	100	N	500	N	G(2000)
52-CS-390	200	N	1000	N	150	L	L	N	30	L	N	200	200	N	300	N	G(2000)
52-CS-391	200	N	G(2000)	N	100	10	50	N	50	150	N	700	200	N	200	N	G(2000)
52-CS-392	200	N	300	N	100	10	20	N	50	N	N	N	200	N	200	N	G(2000)
52-CS-393	150	N	2000	N	100	10	20	N	100	L	N	200	200	N	500	N	G(2000)
52-CS-436	100	N	500	N	N	30	L	N	50	N	L	N	70	N	700	N	G(2000)
52-CS-479	150	N	G(2000)	N	100	20	30	N	100	70	N	700	200	N	700	N	G(2000)
52-CS-482	100	N	700	N	50	20	N	N	50	L	N	N	150	N	300	N	G(2000)
52-CS-514	200	N	1500	N	300	20	20	N	50	300	N	L	500	N	150	N	G(2000)
52-CS-516	300	3000	G(2000)	N	200	20	70	N	100	300	N	700	500	N	700	N	G(2000)
52-CS-519	300	N	500	N	500	20	N	N	100	100	N	N	500	N	200	N	G(2000)
52-CS-525	150	N	2000	N	150	30	20	N	50	100	N	200	200	N	300	N	G(2000)
52-CS-529	L	N	700	N	100	20	N	N	70	70	L	200	300	N	300	N	G(2000)
52-CS-532	70	N	700	N	100	10	300	N	50	300	L	L	300	N	500	N	G(2000)
52-CS-536	50	50	200	N	150	10	L	N	50	100	L	L	100	N	200	N	G(2000)
52-CS-537	300	30	700	N	300	300	150	N	50	50	L	N	150	N	200	N	G(2000)
52-CS-549	70	N	2000	N	150	30	30	N	100	500	L	300	200	N	700	N	G(2000)
52-CS-550	100	20	150	N	200	30	N	N	200	20	L	N	300	N	500	N	G(2000)
52-CS-551	200	30	1000	N	200	10	L	N	100	200	N	N	500	N	300	N	G(2000)
52-CS-561	200	N	500	N	1000	15	N	N	30	700	N	L	500	N	100	N	G(2000)
52-CS-563	200	N	2000	N	700	20	L	N	20	2000	N	500	300	N	150	N	G(2000)
52-CS-568	100	N	100	N	300	20	20	N	L	300	N	N	70	N	70	N	G(2000)
52-CS-571	200	N	1500	N	500	30	L	N	100	1000	N	L	500	N	150	N	G(2000)
52-CS-572	100	L	300	N	500	30	150	N	200	500	N	L	70	N	700	N	G(2000)
52-CS-573	300	N	1500	N	700	30	N	N	100	15000	N	L	500	N	300	N	G(2000)
52-CS-574	150	N	700	N	700	10	20	N	L	15000	N	N	150	N	150	N	G(2000)
52-CS-575	20	150	1000	N	300	10	100	N	G(200)	15000	N	200	100	N	700	N	G(2000)
52-CS-577	150	N	2000	N	300	10	30	N	70	500	N	200	200	N	300	N	G(2000)
52-CS-578	300	N	700	N	300	100	100	N	100	300	N	200	200	N	300	N	G(2000)
52-CS-580	100	L	1000	N	300	300	300	N	100	100	N	300	100	N	500	N	G(2000)
52-CS-584	100	L	2000	N	500	50	50	N	70	1000	N	500	100	N	500	N	G(2000)

Table 1 (continued)

Sample No.	Latitude deg min sec	Longitude deg min sec	Fe(%)	Mg(%)	Ca(%)	Ti(%)	Mn	Ag	As	Au	B	Ba	Be	Bi	Cd	Co
52-CS-585	34 53 8	82 20 31	0.3	L	N	G(2)	70	N	N	N	70	L	100	N	N	N
52-CS-586	34 53 16	82 19 50	0.2	L	N	G(2)	70	N	N	N	100	L	150	70	N	N
52-CS-587	34 53 34	82 19 9	0.3	L	N	G(2)	70	N	N	N	50	L	100	N	N	N
52-CS-588	34 52 43	82 19 50	0.3	L	L	G(2)	30	N	N	N	70	N	150	N	N	N
52-CS-590	34 52 59	82 18 45	0.5	N	N	2	100	N	N	N	700	N	15	N	N	L
52-CS-591	34 54 13	82 17 25	0.2	N	N	G(2)	20	N	N	N	100	N	200	50	N	N
52-CS-592	34 52 59	82 17 60	0.3	N	N	2	50	N	N	N	300	N	7	N	N	L
52-CS-594	34 52 55	82 16 57	0.3	0.05	N	G(2)	1000	N	N	N	300	N	50	N	N	L
52-CS-598	34 51 35	82 14 15	1.5	L	N	G(2)	70	N	N	N	200	N	7	N	N	N
52-CS-600	34 51 36	82 17 42	0.3	L	N	G(2)	50	N	N	N	20	N	7	N	N	N
52-CS-601	34 51 36	82 17 42	0.3	L	N	G(2)	50	N	N	N	100	N	7	N	N	N
52-CS-602	34 51 12	82 17 42	0.2	L	N	G(2)	20	N	N	N	100	100	7	N	N	N
52-CS-603	34 51 6	82 16 50	0.5	0.05	N	G(2)	70	N	N	N	100	L	15	N	N	N
52-CS-604	34 51 14	82 15 40	0.5	L	N	G(2)	50	N	N	N	150	N	10	N	N	L
52-CS-605	34 49 43	82 15 49	0.2	L	N	G(2)	30	N	N	N	1000	N	100	N	N	N
52-CS-606	34 50 56	82 14 58	0.3	0.1	N	G(2)	20	N	N	N	30	N	150	N	N	N
52-CS-608	34 50 56	82 14 58	0.3	L	N	G(2)	70	N	N	N	20	N	100	N	N	N
52-CS-609	34 50 43	82 13 37	0.5	N	N	G(2)	20	N	N	N	1000	N	150	N	N	N
52-CS-610	34 49 44	82 12 9	0.3	L	N	G(2)	70	N	N	N	20	N	100	N	N	N
52-CS-611	34 49 44	82 12 9	0.3	0.1	N	G(2)	L	N	N	N	1000	N	15	N	N	N
52-CS-612	34 55 59	82 17 13	0.3	0.07	N	G(2)	20	N	N	N	700	L	150	N	N	N
52-CS-615	34 55 33	82 15 40	0.3	L	N	G(2)	50	N	N	N	50	L	200	N	N	N
52-CS-617	34 53 53	82 15 36	0.3	0.1	L	G(2)	70	N	N	N	700	N	150	N	N	L
52-CS-618	34 52 31	82 14 11	1	0.05	0.1	G(2)	200	N	N	N	5000	N	50	N	N	10
52-CS-619	34 52 22	82 14 40	2	0.7	N	G(2)	500	N	N	N	500	N	150	N	N	N
52-CS-620	34 47 40	82 17 53	0.3	0.07	N	G(2)	30	N	N	N	300	N	100	N	N	N
52-CS-621	34 47 38	82 17 27	0.3	0.05	N	G(2)	L	N	N	N	20	N	5	N	N	N
52-CS-624	34 47 13	82 17 34	0.2	L	N	G(2)	20	N	N	N	100	N	20	N	N	N
52-CS-625	34 47 9	82 16 39	0.3	L	N	G(2)	20	N	N	N	200	N	10	N	N	N
52-CS-626	34 47 9	82 16 39	0.2	L	N	G(2)	30	N	N	N	150	N	5	N	N	N
52-CS-627	34 47 9	82 16 39	0.3	L	N	G(2)	20	N	N	N	200	N	20	N	N	N
52-CS-629	34 48 9	82 14 12	0.5	N	N	G(2)	30	N	N	N	150	N	5	N	N	N
52-CS-630	34 47 10	82 15 36	0.3	L	L	G(2)	20	N	N	N	200	N	200	N	N	N
52-CS-631	34 46 19	82 16 11	0.5	L	L	G(2)	50	N	N	N	150	N	50	N	N	N
52-CS-632	34 47 39	82 13 56	0.5	L	N	G(2)	30	N	N	N	500	N	50	N	N	N
52-CS-633	34 46 48	82 14 11	0.5	N	N	G(2)	30	N	N	N	50	N	50	N	N	N
52-CS-634	34 47 8	82 13 13	0.5	N	N	G(2)	30	N	N	N	50	N	50	N	N	N
52-CS-635	34 47 20	82 13 12	0.5	L	N	G(2)	150	N	N	N	700	N	50	N	N	10
52-CS-636	34 47 23	82 12 4	0.7	0.07	N	G(2)	100	N	N	N	1000	N	10	N	N	10
52-CS-639	34 46 17	82 12 35	0.5	0.05	N	G(2)	50	N	N	N	500	N	50	N	N	N
52-CS-642	34 47 9	82 10 54	0.5	0.05	N	G(2)	100	N	N	N	100	N	100	N	N	10
52-CS-645	34 47 37	82 11 2	0.5	L	N	G(2)	N	N	N	N	100	N	50	N	N	N
52-CS-647	34 53 13	82 12 53	0.2	0.1	N	G(2)	70	N	N	N	700	N	100	N	N	N
52-CS-648	34 51 23	82 12 37	0.5	0.1	N	G(2)	10	N	N	N	50	N	15	N	N	N
52-CS-649	34 53 11	82 10 38	0.3	N	N	G(2)	N	N	N	N	70	N	15	N	N	N
52-CS-650	34 53 30	82 10 21	0.3	0.1	N	G(2)	N	N	N	N	70	100	100	N	N	N
52-CS-652	34 51 32	82 9 59	0.2	N	N	G(2)	N	N	N	N	200	N	20	N	N	N
52-CS-654	34 50 59	82 11 7	0.3	N	N	G(2)	200	N	N	N	700	N	100	N	N	N
52-CS-655	34 42 32	82 4 6	0.7	0.15	1.5	G(2)	1500	N	N	N	200	N	2	N	N	N
52-CS-656	34 41 6	82 5 4	1	0.1	0.2	G(2)	700	N	N	N	200	N	5	N	N	N
52-CS-657	34 41 6	82 5 4	0.3	0.1	0.2	G(2)	15	N	N	N	100	N	7	N	N	N
52-CS-661	34 50 38	82 10 52	0.2	L	N	G(2)	10	N	N	N	70	N	3	N	N	N
52-CS-663	34 49 59	82 9 34	0.2	L	N	G(2)	15	N	N	N	300	N	15	N	N	N
52-CS-664	34 49 17	82 10 28	0.2	0.05	N	G(2)	20	N	N	N	200	N	3	N	N	N
52-CS-665	34 48 18	82 9 34	0.2	L	N	G(2)	20	N	N	N	200	N	15	N	N	N

Table 1 (continued)

Sample No.	Cr	Cu	La	Mo	Nb	Ni	Pb	Sb	Sc	Sn	Sr	Th	V	W	Y	Zn	Zr
52-CS-585	50	N	G(2000)	N	150	20	70	N	G(200)	70	N	500	70	N	1000	N	G(2000)
52-CS-586	70	N	2000	N	200	15	100	N	G(200)	200	N	200	70	N	1000	N	G(2000)
52-CS-587	200	L	G(2000)	N	300	70	100	N	G(200)	300	N	1000	70	N	1000	N	G(2000)
52-CS-588	150	N	700	N	300	10	30	N	70	300	N	L	150	N	300	N	G(2000)
52-CS-590	150	10	500	N	100	N	30	N	20	150	N	N	70	N	150	5000	G(2000)
52-CS-591	70	N	G(2000)	N	200	10	70	N	G(200)	300	N	300	100	N	700	N	G(2000)
52-CS-592	100	L	100	N	100	L	N	N	30	30	N	N	100	N	100	N	G(2000)
52-CS-594	100	N	700	N	200	L	L	N	50	70	N	N	100	N	150	N	G(2000)
52-CS-598	200	10	2000	N	150	50	300	N	70	500	N	300	150	N	1000	N	G(2000)
52-CS-600	100	N	1000	N	300	10	30	N	100	500	N	300	200	N	500	N	G(2000)
52-CS-601	150	N	G(2000)	N	150	10	30	N	50	150	N	300	70	N	500	N	G(2000)
52-CS-602	150	N	2000	N	300	15	20	N	70	200	L	500	150	N	500	N	G(2000)
52-CS-603	150	L	G(2000)	N	300	10	70	N	150	700	N	1000	150	N	700	N	G(2000)
52-CS-604	200	N	L	N	200	10	N	N	L	30	N	N	200	N	100	N	G(2000)
52-CS-605	200	N	1500	N	300	L	L	N	50	150	N	N	200	N	200	N	G(2000)
52-CS-606	150	100	G(2000)	N	300	10	20	N	70	500	N	200	500	N	200	N	G(2000)
52-CS-607	200	N	1000	N	700	L	50	N	100	200	N	500	500	N	500	N	G(2000)
52-CS-608	150	N	2000	N	200	L	L	N	200	500	N	N	500	N	500	N	G(2000)
52-CS-609	200	N	2000	N	200	L	30	N	50	200	N	200	200	N	200	N	G(2000)
52-CS-610	200	N	2000	N	500	70	30	N	300	300	N	500	300	N	500	N	G(2000)
52-CS-611	200	L	G(2000)	N	300	50	100	N	100	500	N	1500	500	N	1000	N	G(2000)
52-CS-612	150	20	G(2000)	N	700	50	30	N	100	200	N	700	200	N	500	N	G(2000)
52-CS-615	150	N	100	N	300	15	30	N	100	300	L	1000	100	N	700	N	G(2000)
52-CS-617	200	N	200	N	200	10	N	N	L	200	N	N	150	N	100	N	G(2000)
52-CS-618	100	N	G(2000)	N	150	L	50	N	100	150	N	500	200	N	1000	N	G(2000)
52-CS-619	150	N	2000	N	150	10	L	N	L	50	N	300	150	N	300	N	G(2000)
52-CS-620	150	N	G(2000)	N	300	L	70	N	200	150	N	700	300	N	700	N	G(2000)
52-CS-621	200	150	2000	N	500	L	L	N	100	150	N	200	300	N	200	N	G(2000)
52-CS-624	50	10	2000	N	300	L	50	N	L	300	N	L	150	N	200	N	G(2000)
52-CS-625	150	500	2000	N	500	L	20	N	150	150	N	L	300	N	300	N	G(2000)
52-CS-626	100	N	500	N	500	L	L	N	70	70	N	L	200	N	200	N	G(2000)
52-CS-627	100	N	2000	N	700	10	30	N	100	150	N	L	300	N	200	N	G(2000)
52-CS-629	300	10	700	N	300	100	20	N	70	200	N	N	500	N	200	N	G(2000)
52-CS-630	150	N	500	N	700	L	20	N	70	150	N	N	300	N	200	N	G(2000)
52-CS-631	50	N	2000	N	300	10	20	N	70	1500	N	500	300	N	200	N	G(2000)
52-CS-632	300	30	G(2000)	N	300	50	20	N	70	300	N	L	500	N	300	N	G(2000)
52-CS-633	200	L	G(2000)	N	500	50	L	N	50	500	N	N	300	N	200	N	G(2000)
52-CS-634	200	N	2000	N	500	30	L	N	70	150	N	N	500	N	200	N	G(2000)
52-CS-635	150	N	G(2000)	N	200	20	30	N	50	100	N	500	300	N	500	N	G(2000)
52-CS-636	150	N	1500	N	200	L	L	N	L	70	N	200	300	N	200	N	G(2000)
52-CS-639	150	N	1000	N	500	20	L	N	L	100	N	200	200	N	150	N	G(2000)
52-CS-642	300	20	700	N	500	100	20	N	L	100	N	L	200	N	200	N	G(2000)
52-CS-646	200	L	G(2000)	N	500	30	30	N	100	200	N	500	500	N	300	N	G(2000)
52-CS-647	150	N	1500	N	200	30	30	N	150	150	N	N	200	N	300	N	G(2000)
52-CS-648	150	L	G(2000)	N	200	20	100	N	200	200	N	1500	200	N	1000	N	G(2000)
52-CS-649	150	N	2000	N	500	20	20	N	150	300	N	200	300	N	200	N	G(2000)
52-CS-650	100	10	G(2000)	N	700	15	150	N	50	500	N	2000	200	N	1000	N	G(2000)
52-CS-652	150	N	2000	N	300	30	30	N	200	200	N	300	200	N	700	N	G(2000)
52-CS-654	150	N	700	N	2000	10	L	N	100	200	N	L	500	N	150	N	G(2000)
52-CS-655	200	30	G(2000)	N	200	N	50	N	50	200	N	500	150	N	700	N	G(2000)
52-CS-656	150	N	2000	N	150	10	70	N	70	50	N	700	150	N	700	N	G(2000)
52-CS-657	200	L	G(2000)	N	200	10	50	N	150	100	N	1000	100	N	700	N	G(2000)
52-CS-661	200	L	1500	N	200	30	L	N	200	150	N	200	300	N	200	N	G(2000)
52-CS-663	150	L	G(2000)	N	300	20	30	N	100	20	N	1000	300	N	700	N	G(2000)
52-CS-664	150	L	G(2000)	N	300	L	70	N	100	300	N	1000	300	N	700	N	G(2000)
52-CS-665	200	N	G(2000)	N	150	10	30	N	100	150	N	200	200	N	500	N	G(2000)

Table 1 (continued)

Sample No.	Latitude		Longitude		Fe(%)	Mg(%)	Ca(%)	Ti(%)	Mn	Ag	As	Au	B	Ba	Be	Bi	Cd	Co
	deg	min	sec	deg	min	sec												
52-CS-667	34	47	82	11	35	0.3	N	N	15	N	N	N	N	N	30	N	N	N
52-CS-668	34	48	45	82	12	40	0.1	N	3000	N	N	N	150	N	N	N	N	N
52-CS-669	34	43	45	82	13	22	N	N	700	N	N	N	20	N	50	N	N	N
52-CS-670	34	42	38	82	12	25	0.05	N	500	N	N	N	L	N	N	N	N	N
52-CS-671	34	43	12	82	12	0	0.2	N	1000	N	N	N	700	N	15	N	N	N
52-CS-672	34	44	2	82	12	1	0.05	N	1000	N	N	N	150	N	100	N	N	N
52-CS-675	34	44	54	82	10	35	N	N	100	N	N	N	N	N	100	N	N	N
52-CS-676	34	44	15	82	10	42	N	N	150	N	N	N	N	N	30	N	N	N
52-CS-678	34	43	3	82	10	21	L	N	300	N	N	N	20	N	100	N	N	N
52-CS-679	34	42	33	82	8	15	L	N	70	N	N	N	500	N	100	N	N	N
52-CS-680 x	34	42	33	82	8	15	0.1	N	1000	N	N	N	200	N	100	N	N	N
52-CS-681	34	42	3	82	8	19	L	N	100	N	N	N	1000	N	10	N	N	N
52-CS-682	34	42	29	82	6	54	0.3	N	2000	N	N	N	N	N	30	N	N	15
52-CS-683	34	43	32	82	8	44	L	N	50	N	N	N	N	N	10	N	N	N
52-CS-684	34	43	14	82	7	47	0.7	N	30	N	N	N	L	N	15	N	N	N
52-CS-685	34	43	5	82	6	51	0.1	N	70	N	N	N	50	N	50	N	N	N
52-CS-686 x	34	43	5	82	6	51	0.07	N	300	N	N	N	100	N	7	N	N	N
52-CS-687	34	41	59	82	4	57	0.1	N	1000	N	N	N	500	N	10	N	N	N
52-CS-688	34	41	1	82	10	1	1	N	50	N	N	N	L	N	50	N	N	N
52-CS-689	34	41	20	82	9	13	0.1	N	70	N	N	N	L	N	70	N	N	N
52-CS-690	34	40	22	82	8	56	1	N	100	N	N	N	L	N	2	N	N	N
52-CS-691	34	39	49	82	8	32	0.1	N	500	N	N	N	200	N	50	N	N	N
52-CS-692	34	39	32	82	8	24	0.05	N	300	N	N	N	20	N	20	N	N	N
52-CS-693	34	39	55	82	8	4	0.07	N	150	N	N	N	30	N	20	N	N	N
52-CS-694	34	40	24	82	7	49	0.05	N	500	N	N	N	30	N	3	N	N	N
52-CS-695	34	40	36	82	7	56	0.05	N	700	N	N	N	20	N	50	N	N	N
52-CS-696	34	40	46	82	6	44	0.07	N	700	N	N	N	20	N	10	N	N	N
52-CS-697	34	47	56	82	10	8	0.05	N	1500	N	N	N	150	N	50	N	N	10
52-CS-698	34	45	48	82	8	8	N	N	N	N	N	N	N	N	N	N	N	N
52-CS-699	34	47	51	82	8	22	N	N	N	N	N	N	N	N	N	N	N	N
52-CS-700	34	46	49	82	7	43	N	N	N	N	N	N	N	N	N	N	N	N
52-CS-701	34	46	12	82	7	50	0.1	N	20	N	N	N	1000	N	50	N	N	N
52-CS-704	34	45	6	82	5	10	L	N	200	N	N	N	L	N	3	N	N	N
52-CS-705	34	44	50	82	3	31	0.07	N	500	N	N	N	L	N	5	N	N	N
52-CS-708	34	42	5	82	2	39	0.07	N	500	N	N	N	L	N	L	N	N	N
52-CS-709	34	41	50	82	3	26	0.05	N	1500	N	N	N	L	N	100	N	N	N
52-CS-710 x	34	41	50	82	3	26	L	N	1000	N	N	N	L	N	20	N	N	15
52-CS-711	34	41	21	82	1	15	0.3	N	300	N	N	N	N	N	N	N	N	20
52-CS-712	34	41	6	82	2	28	0.07	N	700	N	N	N	N	N	N	N	N	N
52-CS-713	34	40	52	82	0	3	0.15	N	300	N	N	N	N	N	3	N	N	N
52-CS-716	34	38	29	82	6	55	L	N	7000	N	N	N	N	N	L	N	N	N
52-CS-719	34	38	47	82	1	56	0.07	N	200	N	N	N	L	N	L	N	N	N
52-CS-720	34	39	3	82	2	1	0.15	N	300	N	N	N	20	N	N	N	N	N
52-CS-724	34	39	10	82	3	18	L	N	500	N	N	N	L	N	N	N	N	N
52-CS-725	34	36	23	82	2	35	0.05	N	1500	N	N	N	L	N	N	N	N	N
52-CS-726	34	36	40	82	0	48	0.3	N	3000	N	N	N	100	N	N	N	N	30
52-CS-728	34	35	56	82	0	42	0.05	N	300	N	N	N	L	N	N	N	N	N
52-DC-18	34	25	50	82	50	16	L	N	30	N	N	N	20	N	N	N	N	N
52-DC-19	34	26	25	82	48	42	L	N	50	N	N	N	20	N	N	N	N	N
52-DC-20 x	34	26	25	82	48	42	L	N	30	N	N	N	20	N	3	N	N	N
52-DC-21	34	25	49	82	49	9	L	N	50	N	N	N	20	N	N	N	N	N
52-DC-22	34	25	35	82	50	52	L	N	50	N	N	N	20	N	N	N	N	N
52-DC-23	34	21	37	82	47	17	L	N	30	N	N	N	20	N	N	N	N	N
52-DC-24	34	21	20	82	46	59	L	N	50	N	N	N	20	N	N	N	N	N
52-DC-25	34	21	15	82	47	9	L	N	100	N	N	N	20	N	N	N	N	N
52-DC-26	34	21	22	82	45	3	L	N	50	N	N	N	20	N	N	N	N	N

Table 1 (continued)

Sample No.	Cr	Cu	La	Mo	Nb	Ni	Pb	Sb	Sc	Sn	Sr	Th	V	W	Y	Zn	Zr
52-CS-667	300	N	500	N	2000	70	N	N	50	100	N	L	500	N	100	N	G(2000)
52-CS-668	70	N	1000	N	150	L	20	N	50	50	N	200	100	N	150	N	G(2000)
52-CS-669	100	L	G(2000)	N	500	N	50	N	70	150	N	1500	200	N	300	N	G(2000)
52-CS-670	100	L	G(2000)	N	300	N	50	N	100	100	N	1500	200	N	700	N	G(2000)
52-CS-671	150	L	G(2000)	N	300	30	150	N	200	70	N	1500	200	N	700	N	G(2000)
52-CS-672	100	200	G(2000)	N	500	N	50	N	100	150000	N	1000	200	N	700	N	G(2000)
52-CS-675	100	N	G(2000)	N	500	10	30	N	50	200	N	700	200	N	300	N	G(2000)
52-CS-676	50	N	1500	N	300	10	30	N	150	500	N	L	200	N	700	N	G(2000)
52-CS-678	70	20	G(2000)	N	300	L	20	N	70	150	N	300	200	N	300	N	G(2000)
52-CS-679	100	20	G(2000)	N	300	15	50	N	50	700	N	700	200	N	300	N	G(2000)
52-CS-680	20	L	G(2000)	N	150	15	50	N	70	50	N	700	70	N	700	N	G(2000)
52-CS-681	50	L	G(2000)	N	200	15	30	N	150	70	N	700	200	N	300	N	G(2000)
52-CS-682	70	L	2000	N	200	10	20	N	50	200	N	500	100	N	200	N	G(2000)
52-CS-683	70	N	G(2000)	N	300	15	30	N	70	100	N	700	300	N	500	N	G(2000)
52-CS-684	30	L	G(2000)	N	500	L	30	N	100	70	N	1000	300	N	500	N	G(2000)
52-CS-685	100	N	200	N	700	N	30	N	30	100	N	N	500	N	50	N	G(2000)
52-CS-686	20	L	G(2000)	N	150	15	50	N	100	50	N	1500	150	N	500	N	G(2000)
52-CS-687	100	N	2000	N	300	15	20	N	30	100	N	300	300	N	200	N	G(2000)
52-CS-688	20	N	G(2000)	N	150	10	70	N	G(200)	50	N	700	70	N	1500	N	G(2000)
52-CS-689	50	N	G(2000)	N	150	10	70	N	G(200)	20	N	300	100	N	1500	N	G(2000)
52-CS-690	20	N	G(2000)	N	150	10	100	N	G(200)	20	N	200	70	N	2000	N	G(2000)
52-CS-691	50	L	G(2000)	N	200	20	100	N	G(200)	20	N	2000	100	N	3000	N	G(2000)
52-CS-692	300	N	G(2000)	N	300	L	7000	N	50	300	N	500	150	N	500	N	G(2000)
52-CS-693	100	N	G(2000)	N	300	N	50	N	150	200	N	700	100	N	700	N	G(2000)
52-CS-694	200	L	G(2000)	N	200	N	50	N	150	100	N	1000	150	N	500	N	G(2000)
52-CS-695	70	20	G(2000)	N	150	L	5000	N	200	30	N	700	70	N	1000	N	G(2000)
52-CS-696	150	L	G(2000)	N	150	20	70	N	200	70	N	1000	200	N	1500	N	G(2000)
52-CS-697	200	N	1500	N	500	10	100	N	N	150	N	500	300	N	150	N	G(2000)
52-CS-698	70	N	G(2000)	N	500	L	L	N	50	100	N	500	300	N	150	N	G(2000)
52-CS-699	100	L	2000	N	500	L	L	N	30	100	N	300	200	N	100	N	G(2000)
52-CS-700	100	L	G(2000)	N	500	L	L	N	30	100	N	300	300	N	150	N	G(2000)
52-CS-701	150	L	G(2000)	N	200	L	50	N	50	70	N	1000	200	N	700	N	G(2000)
52-CS-704	150	N	500	N	300	10	L	N	L	70	N	L	300	N	200	N	G(2000)
52-CS-705	50	30	G(2000)	N	70	10	50	N	50	100	N	300	300	N	200	N	G(2000)
52-CS-708	150	L	G(2000)	N	150	15	300	N	30	300	N	300	100	N	300	N	G(2000)
52-CS-709	200	N	500	N	200	10	30	N	20	100	N	N	500	N	300	N	G(2000)
52-CS-710	70	10	G(2000)	N	200	L	70	N	N	100	N	500	100	N	300	N	G(2000)
52-CS-711	200	L	2000	N	300	50	20	N	50	100	N	500	100	N	200	N	G(2000)
52-CS-712	100	N	2000	N	100	L	20	N	70	50	N	300	150	N	500	N	G(2000)
52-CS-713	20	30	G(2000)	N	150	20	30	N	70	300	N	500	100	N	500	N	G(2000)
52-CS-716	150	N	500	N	200	L	100	N	50	70	N	N	150	N	300	N	G(2000)
52-CS-719	100	N	700	N	70	30	N	N	100	70	N	L	100	N	700	N	G(2000)
52-CS-720	50	N	700	N	100	20	150	N	150	50	N	L	150	N	700	N	G(2000)
52-CS-724	30	10	G(2000)	N	200	L	50	N	200	150	N	g(5000)	70	N	5000	N	G(2000)
52-CS-725	20	N	G(2000)	N	100	L	50	N	70	30	N	500	70	N	1000	N	G(2000)
52-CS-726	200	15	G(2000)	N	100	100	50	N	100	20	N	700	100	N	1000	N	G(2000)
52-CS-728	100	N	1500	N	50	30	20	N	100	L	N	300	70	N	700	N	G(2000)
52-DC-18	100	N	N	N	50	10	N	N	100	N	L	N	500	N	1000	N	G(2000)
52-DC-19	L	N	100	N	50	20	L	N	100	N	200	N	70	N	500	N	G(2000)
52-DC-20	L	N	150	N	L	20	L	N	100	L	200	N	100	N	500	N	G(2000)
52-DC-21	20	N	N	N	100	20	N	N	70	L	200	N	100	N	500	N	G(2000)
52-DC-22	100	N	L	N	100	15	N	N	50	L	L	N	200	N	300	N	G(2000)
52-DC-23	70	N	N	N	150	15	L	N	50	L	L	N	200	N	500	N	G(2000)
52-DC-24	N	N	N	N	70	20	N	N	100	N	L	N	150	N	1000	N	G(2000)
52-DC-25	50	N	L	N	70	15	L	N	50	N	L	N	150	N	300	N	G(2000)
52-DC-26	L	N	L	N	N	30	L	N	70	N	200	N	50	N	700	N	G(2000)

Table 1 (continued)

Sample No.	Latitude		Longitude		Fe(%)	Mg(%)	Ca(%)	Ti(%)	Mn	Ag	As	Au	B	Ba	Be	Bi	Cd	Co
	deg	min	sec	deg	min	sec												
52-DC-27	34	22	9	82	44	30	0.1	0.3	50	N	N	N	20	100	N	N	N	N
52-DC-28	34	22	54	82	44	0	L	L	20	N	N	N	20	150	N	N	N	15
52-DC-29	34	22	54	82	44	25	0.2	0.1	30	N	N	N	20	N	N	N	N	N
52-DC-30	34	22	23	82	47	15	0.15	N	50	N	N	N	20	N	N	N	N	N
52-DC-31	34	23	22	82	46	28	0.2	L	70	N	N	N	20	100	7	N	N	N
52-DC-32	34	23	9	82	45	36	L	L	20	N	N	N	20	N	N	N	N	15
52-DC-33	34	24	20	82	46	15	0.2	N	30	N	N	N	30	N	N	N	N	N
52-DC-35	34	24	20	82	46	15	0.2	N	100	N	N	N	20	N	N	N	N	15
52-DC-36	34	24	20	82	46	5	0.2	0.1	30	N	N	N	20	L	N	N	N	10
52-DC-37	34	25	12	82	46	22	L	0.1	30	N	N	N	20	100	N	N	N	N
52-DC-38	34	26	8	82	46	32	0.2	L	50	N	N	N	20	N	N	N	N	N
52-DC-39	34	26	54	82	46	28	0.2	L	70	N	N	N	20	N	N	N	N	N
52-DC-40	34	27	47	82	46	14	0.15	L	20	N	N	N	20	N	N	N	N	N
52-DC-41	34	27	47	82	46	14	0.1	N	20	N	N	N	20	N	N	N	N	N
52-DC-42	34	29	3	82	45	49	0.2	N	50	N	N	N	20	N	N	N	N	N
52-DC-43	34	25	13	82	45	45	0.2	N	70	N	N	N	30	N	N	N	N	N
52-DC-44	34	26	2	82	45	37	0.2	0.1	30	N	N	N	20	N	N	N	N	N
52-DC-45	34	26	40	82	45	33	0.2	0.01	50	N	N	N	20	N	N	N	N	N
52-DC-46	34	26	12	82	45	53	0.2	N	30	N	N	N	20	N	N	N	N	N
52-DC-47	34	27	12	82	43	53	0.15	L	30	N	N	N	20	70	N	N	N	N
52-DC-48	34	27	15	82	42	51	0.1	L	50	N	N	N	20	N	N	N	N	N
52-DC-50	34	28	52	82	43	22	0.2	N	20	N	N	N	20	N	N	N	N	N
52-DC-52	34	30	43	82	42	48	0.15	L	50	N	N	N	20	N	N	N	N	N
52-DC-53	34	29	9	82	42	23	0.15	L	20	N	N	N	20	N	N	N	N	N
52-DC-54	34	28	1	82	40	58	0.2	L	50	N	N	N	20	N	N	N	N	N
52-DC-55	34	24	15	82	46	2	0.2	N	100	N	N	N	20	N	N	N	N	10
52-DC-56	34	24	46	82	45	1	0.01	0.5	100	N	N	N	20	L	N	N	N	N
52-DC-57	34	25	1	82	43	34	0.15	L	30	N	N	N	20	L	N	N	N	N
52-DC-59	34	24	54	82	41	50	0.15	0.2	50	N	N	N	20	L	N	N	N	N
52-DC-61	34	25	3	82	43	9	0.1	L	30	N	N	N	20	L	N	N	N	N
52-DC-63	34	30	51	82	40	42	0.1	L	50	N	N	N	20	L	N	N	N	N
52-DC-64	34	19	31	82	47	28	0.1	0.3	70	N	N	N	20	150	N	N	N	N
52-DC-65	34	23	16	82	50	23	0.15	L	30	N	N	N	20	L	N	N	N	N
52-DC-66	34	36	30	82	43	42	0.1	0.1	50	N	N	N	20	L	N	N	N	N
52-DC-67	34	28	53	82	48	50	0.15	0.1	30	N	N	N	20	L	N	N	N	N
52-DC-70	34	30	21	82	54	20	0.1	N	30	N	N	N	20	100	N	N	N	N
52-DC-72	34	30	57	82	55	30	0.15	N	30	N	N	N	20	N	N	N	N	N
52-DC-73	34	30	57	82	55	30	0.1	N	30	N	N	N	20	N	N	N	N	N
52-DC-74	34	33	4	82	55	1	0.2	L	70	N	N	N	20	L	N	N	N	N
52-DC-75	34	32	7	82	53	53	0.1	N	50	N	N	N	20	N	N	N	N	N
52-DC-76	34	32	38	82	52	24	L	N	20	N	N	N	N	L	N	N	N	N
52-DC-77	34	32	4	82	53	0	0.2	L	50	N	N	N	20	N	N	N	N	N
52-DC-78	34	31	39	82	52	29	0.1	L	30	N	N	N	20	L	N	N	N	N
52-DC-79	34	31	39	82	52	29	0.15	L	100	N	N	N	20	L	N	N	N	N
52-DC-82	34	29	38	82	50	52	0.1	G(2)	50	N	N	N	20	N	N	N	N	N
52-DC-84	34	26	55	82	51	22	0.1	G(2)	30	N	N	N	20	N	N	N	N	N
52-DC-86	34	34	60	82	52	0	0.3	L	100	N	N	N	20	L	N	N	N	N
52-DC-87	34	35	33	82	52	35	0.2	L	70	N	N	N	30	N	L	N	N	10
52-DC-88	34	30	25	82	49	22	L	L	20	N	N	N	20	L	N	N	N	N
52-DC-89	34	29	54	82	49	3	0.1	L	20	N	N	N	20	L	N	N	N	N
52-DC-90	34	29	54	82	49	3	0.3	L	20	N	N	N	20	L	N	N	N	N
52-DC-91	34	30	20	82	48	27	L	L	70	N	N	N	30	N	2	N	N	L
52-DC-92	34	31	17	82	47	32	0.2	L	50	N	N	N	20	L	N	N	N	N
52-DC-97	34	35	8	82	41	58	0.2	L	100	N	N	N	20	N	N	N	N	N
52-DC-99	34	34	9	82	41	13	0.2	N	50	N	N	N	20	N	N	N	N	N
52-DC-101	34	35	47	82	39	30	0.2	L	100	N	N	N	20	N	N	N	N	N
52-DC-102	34	36	52	82	38	37	0.15	L	50	N	N	N	20	L	N	N	N	N

Table 1 (continued)

Sample No.	Cr	Cu	La	Mo	Nb	Ni	Pb	Sb	Sc	Sn	Sr	Th	V	W	Y	Zn	Zr
52-DC-27	N	N	N	N	L	30	N	N	70	N	200	N	70	N	700	N	G(2000)
52-DC-28	N	N	N	N	N	30	N	N	100	N	200	N	30	N	500	N	G(2000)
52-DC-29	100	N	N	N	200	10	N	N	50	20	N	N	500	N	500	N	G(2000)
52-DC-30	100	300	N	N	150	10	L	N	70	200	L	N	200	N	300	N	G(2000)
52-DC-31	100	N	500	N	150	15	L	N	50	50	L	N	300	N	300	N	G(2000)
52-DC-32	N	200	N	N	300	20	30	N	100	500	200	N	70	N	500	N	G(2000)
52-DC-34	100	N	150	N	N	L	N	N	50	N	N	N	500	N	200	N	G(2000)
52-DC-35	50	N	100	N	70	15	20	N	70	20	L	N	150	N	500	N	G(2000)
52-DC-36	50	10	L	N	200	10	N	N	50	20	L	N	200	N	300	N	G(2000)
52-DC-37	N	N	L	N	N	20	20	N	70	50	200	N	30	N	500	N	G(2000)
52-DC-38	100	N	L	N	100	L	L	N	70	70	L	N	200	N	500	N	G(2000)
52-DC-39	50	N	700	N	150	10	20	N	70	70	L	N	200	N	500	N	G(2000)
52-DC-40	100	N	50	N	200	L	N	N	50	50	L	N	300	N	200	N	G(2000)
52-DC-41	20	N	2000	N	70	20	20	N	100	N	L	L	150	N	1000	N	G(2000)
52-DC-42	50	N	300	N	150	15	N	N	70	N	L	N	200	N	500	N	G(2000)
52-DC-43	30	N	150	N	150	10	N	N	50	N	L	N	200	N	300	N	G(2000)
52-DC-44	70	N	N	N	50	10	L	N	50	70	L	N	200	N	500	N	G(2000)
52-DC-45	100	N	50	N	200	L	L	N	50	30	L	N	500	N	200	N	G(2000)
52-DC-47	20	N	200	N	100	10	L	N	100	50	L	N	150	N	500	N	G(2000)
52-DC-48	L	N	200	N	50	20	N	N	100	N	200	N	100	N	700	N	G(2000)
52-DC-50	100	N	N	N	150	L	L	N	100	20	N	N	200	N	300	N	G(2000)
52-DC-52	50	N	N	N	L	15	20	N	70	100	L	N	100	N	500	N	G(2000)
52-DC-53	20	N	100	N	200	10	L	N	70	50	200	N	200	N	500	N	G(2000)
52-DC-54	100	N	70	N	150	L	N	N	70	20	N	N	200	N	300	N	G(2000)
52-DC-55	30	N	N	N	150	10	N	N	50	N	L	N	300	N	300	N	G(2000)
52-DC-56	N	N	50	N	N	20	N	N	100	N	200	N	50	N	700	N	G(2000)
52-DC-57	50	N	50	N	150	10	N	N	50	L	L	N	500	N	300	N	G(2000)
52-DC-59	50	N	150	N	L	10	N	N	70	N	L	N	300	N	500	N	G(2000)
52-DC-61	N	N	100	N	N	20	L	N	100	N	200	N	30	N	1000	N	G(2000)
52-DC-63	50	20	N	N	N	30	300	N	150	70	L	N	70	N	1000	N	G(2000)
52-DC-64	N	N	N	N	N	30	20	N	70	N	200	N	70	N	700	N	G(2000)
52-DC-65	30	N	300	N	50	10	50	N	70	N	L	N	300	N	500	N	G(2000)
52-DC-66	50	N	N	N	N	30	50	N	150	N	L	N	70	N	1000	N	G(2000)
52-DC-67	20	N	500	N	100	20	L	N	70	L	L	N	150	N	700	N	G(2000)
52-DC-70	N	N	50	N	N	20	N	N	150	L	200	N	50	N	1000	N	G(2000)
52-DC-72	100	2000	50	N	100	50	200	N	100	1500	N	N	500	N	500	N	G(2000)
52-DC-73	20	300	N	N	50	10	N	N	100	50	L	N	500	N	500	N	G(2000)
52-DC-74	20	L	150	N	50	20	N	N	100	N	L	N	100	N	500	N	G(2000)
52-DC-75	L	L	L	N	N	20	N	N	100	N	L	N	70	N	1000	N	G(2000)
52-DC-76	N	N	L	N	N	30	20	N	150	N	200	N	20	N	100	N	G(2000)
52-DC-77	L	N	L	N	50	20	N	N	100	N	L	N	100	N	1000	N	G(2000)
52-DC-78	N	N	L	N	N	20	N	N	100	N	200	N	50	N	1000	N	G(2000)
52-DC-79	N	N	300	N	N	30	N	N	150	N	200	N	70	N	1000	N	G(2000)
52-DC-82	50	N	500	N	50	20	L	N	100	N	L	N	150	N	200	N	G(2000)
52-DC-84	N	N	N	N	70	10	30	N	50	N	L	N	150	N	1000	N	G(2000)
52-DC-86	N	L	N	N	N	20	L	N	150	N	200	N	30	N	1000	N	G(2000)
52-DC-87	200	N	N	N	70	10	L	N	N	30	N	N	200	N	100	N	G(2000)
52-DC-88	20	N	L	N	50	20	30	N	100	700	200	N	70	N	1000	N	G(2000)
52-DC-89	L	N	N	N	50	20	20	N	100	100	200	N	70	N	1000	N	G(2000)
52-DC-90	50	N	200	N	70	10	20	N	N	50	L	N	100	N	1000	N	G(2000)
52-DC-91	20	N	150	N	L	30	20	N	150	50	200	L	100	N	1000	N	G(2000)
52-DC-92	20	N	N	N	L	20	20	N	70	20	L	N	70	N	1000	N	G(2000)
52-DC-97	100	N	L	N	L	30	20	N	100	20	L	N	100	N	1000	N	G(2000)
52-DC-99	200	L	L	N	N	100	20	N	150	N	L	N	70	N	1000	N	G(2000)
52-DC-101	20	L	L	N	N	10	50	N	200	N	L	N	70	N	1000	N	G(2000)
52-DC-102	150	L	N	N	N	70	L	N	200	N	L	N	50	N	1500	N	G(2000)

Table 1 (continued)

Sample No.	Latitude		Longitude		Fe(%)	Mg(%)	Ca(%)	Ti(%)	Mn	Ag	As	Au	B	Ba	Be	Bi	Cd	Co
52-DC-103	34	37	23	82	30	0.5	L	0.5	150	N	N	N	30	N	2	N	N	N
52-DC-104	34	37	27	82	37	0.1	L	L	20	N	N	N	20	N	N	N	N	N
52-DC-105	34	38	38	82	36	0.15	L	1.5	70	N	N	N	20	N	N	N	N	N
52-DC-106 x	34	38	38	82	52	0.2	L	2	100	N	N	N	20	70	N	N	N	N
52-DC-107 x	34	38	38	82	52	0.15	L	2	20	N	N	N	20	L	N	N	N	N
52-DC-108	34	38	22	82	37	0.15	L	g(2)	70	N	N	N	30	N	2	N	N	N
52-DC-109	34	39	24	82	38	L	L	0.5	20	N	N	N	20	N	N	N	N	N
52-DC-111	34	40	32	82	36	L	L	1.5	50	N	N	N	20	L	N	N	N	N
52-DC-112	34	40	54	82	37	0.1	L	g(2)	50	N	N	N	20	N	N	N	N	N
52-DC-113	34	41	36	82	36	0.1	L	1.5	30	N	N	N	20	N	N	N	N	N
52-DC-115	34	42	17	82	35	L	L	2	20	N	N	N	50	50	N	N	N	N
52-DC-117	34	42	7	82	34	0.3	0.15	2	200	N	N	N	20	500	N	N	N	N
52-DC-118	34	41	39	82	34	0.15	0.07	1.5	100	N	N	N	20	L	N	N	N	N
52-DC-119	34	41	1	82	35	0.2	L	0.7	50	N	N	N	20	50	N	N	N	N
52-DC-120	34	40	40	82	35	0.1	L	2	100	N	N	N	20	100	N	N	N	N
52-DC-121 x	34	40	40	82	35	0.1	L	0.05	50	N	N	N	20	50	N	N	N	N
52-DC-122	34	44	2	82	34	L	L	0.7	30	N	N	N	20	L	N	N	N	N
52-DC-124	34	44	49	82	34	0.1	L	2	300	N	N	N	20	L	N	N	N	N
52-DC-127	34	45	48	82	35	0.3	L	0.7	150	N	N	N	N	150	N	N	N	N
52-DC-128	34	45	6	82	36	0.15	L	0.5	70	N	N	N	N	150	N	N	N	N
52-DC-129 x	34	45	6	82	36	0.1	L	0.7	100	N	N	N	N	100	N	N	N	N
52-DC-130	34	46	19	82	35	0.15	L	2	700	N	N	N	N	L	N	N	N	N
52-DC-131	34	46	29	82	35	0.7	L	g(2)	100	N	N	N	N	L	2	N	N	15
52-DC-132	34	46	42	82	36	0.2	N	g(2)	100	N	N	N	N	L	N	N	N	15
52-DC-133	34	46	20	82	37	0.2	L	0.3	200	N	N	N	L	100	N	N	N	N
52-DC-134	34	45	46	82	37	0.2	N	1.5	150	N	N	N	L	100	N	N	N	N
52-DC-135	34	45	15	82	37	0.3	L	g(2)	500	N	N	N	L	100	N	N	N	10
52-DC-136	34	45	37	82	38	L	L	0.5	30	N	N	N	L	100	N	N	N	N
52-DC-137	34	46	24	82	38	0.3	N	0.2	30	N	N	N	N	L	N	N	N	15
52-DC-139	34	44	56	82	38	0.1	L	0.07	70	N	N	N	20	L	N	N	N	N
52-DC-140	34	42	24	82	38	L	L	0.2	20	N	N	N	20	50	N	N	N	N
52-DC-141	34	42	19	82	38	0.1	L	0.2	20	N	N	N	20	50	N	N	N	N
52-DC-143	34	42	28	82	40	0.1	L	L	50	N	N	N	L	N	N	N	N	N
52-DC-144	34	41	28	82	39	0.1	L	2	20	N	N	N	20	50	N	N	N	N
52-DC-145	34	40	52	82	39	0.2	L	2	50	N	N	N	20	50	N	N	N	N
52-DC-146	34	40	34	82	40	0.15	L	g(2)	70	N	N	N	20	100	L	N	N	N
52-DC-147	34	40	20	82	39	0.2	L	g(2)	70	N	N	N	20	100	N	N	N	N
52-DC-148	34	39	1	82	42	0.5	L	g(2)	300	N	N	N	30	100	2	N	N	N
52-DC-150	34	40	39	82	42	0.15	L	0.15	50	N	N	N	20	L	N	N	N	N
52-DC-151	34	42	27	82	41	L	L	1.5	20	N	N	N	20	100	N	N	N	N
52-DC-152 x	34	42	27	82	41	0.2	L	g(2)	150	N	N	N	20	100	N	N	N	N
52-DC-153	34	39	46	82	39	0.2	L	1.5	20	N	N	N	20	100	2	N	N	N
52-DC-156	34	40	13	82	43	0.1	L	g(2)	50	N	N	N	30	100	N	N	N	N
52-DC-157	34	40	11	82	43	0.1	L	g(2)	70	N	N	N	30	50	N	N	N	N
52-DC-161	34	39	33	82	44	0.15	L	g(2)	L	N	N	N	20	N	N	N	N	N
52-DC-162	34	39	16	82	46	L	L	g(2)	20	N	N	N	20	L	N	N	N	N
52-DC-164	34	37	5	82	45	0.1	L	g(2)	100	N	N	N	20	100	N	N	N	N
52-DC-165	34	37	43	82	44	0.1	L	g(2)	300	N	N	N	20	L	N	N	N	N
52-DC-167	34	36	44	82	42	0.15	L	g(2)	20	N	N	N	20	N	N	N	N	N
52-DC-168 x	34	36	44	82	42	0.15	L	g(2)	20	N	N	N	20	N	N	N	N	N
52-DC-169 x	34	36	44	82	42	0.1	L	g(2)	L	N	N	N	20	N	N	N	N	N
52-DC-172	34	36	9	82	46	0.2	L	g(2)	30	N	N	N	20	L	10	N	N	N
52-DC-173	34	33	54	82	47	0.15	L	g(2)	30	N	N	N	20	L	N	N	N	N
52-DC-177	34	33	39	82	54	0.15	L	g(2)	30	N	N	N	20	N	N	N	N	N
52-DC-178	34	34	15	82	56	0.15	L	g(2)	50	N	N	N	20	N	N	N	N	N
52-DC-179 x	34	34	15	82	56	L	L	g(2)	20	N	N	N	20	N	N	N	N	N

Table 1 (continued)

Sample No.	Cr	Cu	La	Mo	Nb	Ni	Pb	Sb	Sc	Sn	Sr	Th	V	W	Y	Zn	Zr
52-DC-103	700	15	N	10	N	300	100	N	50	20	L	N	100	N	300	N	G(2000)
52-DC-104	L	N	N	N	N	20	L	N	150	N	L	N	70	N	1000	N	G(2000)
52-DC-105	200	N	N	N	N	100	L	N	150	L	L	N	30	N	1000	N	G(2000)
52-DC-106	500	L	N	N	N	200	L	N	150	N	L	N	30	N	1000	N	G(2000)
52-DC-107	20	N	L	N	N	30	L	N	200	N	L	N	50	N	1000	N	G(2000)
52-DC-108	500	L	L	N	N	100	L	N	50	N	L	N	100	N	1000	N	G(2000)
52-DC-109	N	N	L	N	N	15	50	N	150	N	L	N	20	N	1000	N	G(2000)
52-DC-111	L	N	L	N	N	30	20	N	150	N	L	N	30	N	1000	N	G(2000)
52-DC-112	L	30	L	N	N	20	N	N	150	N	L	N	50	N	700	N	G(2000)
52-DC-113	20	N	L	N	N	30	N	N	150	N	L	N	30	N	700	N	G(2000)
52-DC-115	L	100	N	N	N	30	N	N	150	50	L	N	30	N	700	N	G(2000)
52-DC-117	L	N	500	N	N	15	L	N	150	N	L	N	50	N	700	N	G(2000)
52-DC-118	N	N	500	N	N	20	30	N	150	N	L	N	50	N	700	N	G(2000)
52-DC-119	200	N	N	N	N	100	N	N	150	N	L	N	30	N	700	N	G(2000)
52-DC-120	N	N	300	N	N	30	N	N	150	200	L	N	70	N	700	N	G(2000)
52-DC-121	200	100	N	N	N	70	N	N	150	150	L	N	30	N	700	N	G(2000)
52-DC-122	20	N	N	N	N	50	N	N	150	150	L	N	20	N	700	N	G(2000)
52-DC-124	50	N	N	N	N	50	N	N	200	N	L	N	50	N	1000	N	G(2000)
52-DC-127	N	N	500	N	N	20	N	N	150	N	L	N	30	N	500	N	G(2000)
52-DC-128	N	N	2000	N	N	15	N	N	150	N	L	300	20	N	500	N	G(2000)
52-DC-129	N	N	G(2000)	N	N	20	N	N	150	N	L	300	20	N	700	N	G(2000)
52-DC-130	N	N	200	N	N	20	N	N	100	N	L	N	30	N	500	N	G(2000)
52-DC-131	L	N	150	N	70	10	N	N	50	L	N	N	70	N	500	N	G(2000)
52-DC-132	N	N	300	N	50	20	N	N	100	30	L	N	50	N	500	N	G(2000)
52-DC-133	N	N	100	N	N	30	N	N	100	20	L	N	L	N	500	N	G(2000)
52-DC-134	N	L	100	N	N	20	N	N	100	20	L	N	30	N	700	N	G(2000)
52-DC-135	L	N	200	N	70	15	30	N	70	50	N	N	70	N	700	N	G(2000)
52-DC-136	N	N	N	N	N	20	N	N	100	300	L	N	20	N	700	N	G(2000)
52-DC-137	N	N	N	N	N	15	N	N	100	N	L	N	20	N	500	N	G(2000)
52-DC-139	50	10	N	N	N	50	20	N	150	N	L	N	30	N	1000	N	G(2000)
52-DC-140	N	L	N	N	N	20	L	N	200	70	L	N	20	N	1000	N	G(2000)
52-DC-141	20	N	N	N	N	50	N	N	150	200	200	N	20	N	1000	N	G(2000)
52-DC-143	N	L	N	N	N	20	20	N	150	N	L	N	50	N	1000	N	G(2000)
52-DC-144	L	N	N	N	N	30	N	N	200	L	200	N	50	N	1000	N	G(2000)
52-DC-145	L	L	L	N	N	15	N	N	70	N	L	N	70	N	500	N	G(2000)
52-DC-146	L	N	200	N	N	15	70	N	150	N	L	N	50	N	1000	N	G(2000)
52-DC-147	L	N	200	N	N	20	L	N	150	N	L	N	50	N	1000	N	G(2000)
52-DC-148	700	20	L	15	N	700	L	N	50	N	L	N	100	N	300	N	G(2000)
52-DC-150	20	N	N	N	N	20	N	N	100	N	L	N	50	N	1000	N	G(2000)
52-DC-151	N	N	100	N	N	30	N	N	150	N	L	N	30	N	1000	N	G(2000)
52-DC-152	20	N	1000	N	N	20	N	N	150	N	L	N	L	N	1000	N	G(2000)
52-DC-153	20	N	150	N	N	15	N	N	100	N	L	N	50	N	1000	N	G(2000)
52-DC-156	L	N	L	N	N	30	N	N	100	N	L	N	70	N	1000	N	G(2000)
52-DC-157	20	N	N	N	N	15	N	N	100	N	200	N	100	N	1000	N	G(2000)
52-DC-161	50	N	N	N	N	15	N	N	100	N	L	N	70	N	500	N	G(2000)
52-DC-162	N	N	L	N	N	20	N	N	150	N	200	N	50	N	1000	N	G(2000)
52-DC-164	L	N	100	N	N	20	N	N	100	N	L	N	100	N	1000	N	G(2000)
52-DC-165	50	N	N	N	N	15	N	N	100	N	L	N	100	N	1000	N	G(2000)
52-DC-167	50	N	N	N	50	20	N	N	100	N	L	N	100	N	500	N	G(2000)
52-DC-168	100	N	N	N	70	50	L	N	100	N	L	N	100	N	500	N	G(2000)
52-DC-169	30	N	N	N	50	15	L	N	100	20	L	N	70	N	700	N	G(2000)
52-DC-172	100	N	L	N	100	10	500	N	100	700	L	N	200	N	500	N	G(2000)
52-DC-173	100	N	L	N	100	10	N	N	70	L	L	N	200	N	500	N	G(2000)
52-DC-177	50	N	N	N	L	15	L	N	150	N	L	N	150	N	1000	N	G(2000)
52-DC-178	L	N	L	N	N	20	N	N	50	N	L	N	70	N	500	N	G(2000)
52-DC-179	30	N	100	N	L	20	L	N	150	100	L	N	70	N	700	N	G(2000)

Table 1 (continued)

Sample No.	Latitude deg min sec	Longitude deg min sec	Fe(%)	Mg(%)	Ca(%)	Ti(%)	Mn	Ag	As	Au	B	Ba	Be	Bi	Cd	Co
52-DC-180	34 35 6	82 57 14	L	L	N	2	L	N	N	N	20	L	N	N	N	N
52-DC-182	34 34 21	82 59 25	0.2	L	N	G(2)	50	N	N	N	50	N	N	N	N	N
52-DC-183 x	34 34 21	82 59 25	0.15	L	L	G(2)	20	N	N	100	30	N	L	N	N	N
52-DC-185	34 35 8	83 0 20	0.2	L	N	G(2)	20	N	N	N	50	N	L	N	N	N
52-DC-188	34 32 8	83 1 7	0.5	L	L	G(2)	30	N	N	N	20	N	N	N	N	N
52-DC-189	34 32 38	83 0 47	0.15	L	L	G(2)	50	N	N	N	30	N	N	N	N	N
52-DC-190	34 31 24	82 59 18	0.1	L	L	G(2)	50	N	N	N	20	N	N	20	N	N
52-DC-191	34 31 15	82 58 41	0.1	L	L	1.5	20	N	N	N	20	N	N	20	N	N
52-DC-192	34 31 32	82 58 39	0.15	L	L	G(2)	30	N	N	N	30	N	N	N	N	N
52-DC-195	34 32 43	82 57 23	0.1	L	N	G(2)	200	N	N	N	30	N	N	N	N	N
52-DC-196	34 32 27	82 57 30	0.2	L	N	G(2)	50	N	N	N	30	N	N	N	N	N
52-DC-197	34 31 35	82 57 4	0.1	L	N	G(2)	L	N	N	N	50	N	L	N	N	N
52-DC-198	34 31 1	82 56 30	0.1	L	N	G(2)	50	N	N	N	30	N	N	N	N	N
52-DC-199	34 34 58	82 53 35	0.15	L	L	G(2)	50	N	N	N	30	N	N	N	N	N
52-DC-200	34 36 7	82 54 12	L	L	N	2	20	N	N	N	20	N	N	N	N	L
52-DC-201	34 36 49	82 56 55	0.1	L	N	G(2)	30	N	N	N	30	N	N	N	N	L
52-DC-204	34 36 34	82 49 16	0.2	L	L	0.5	50	N	N	N	30	100	N	N	N	N
52-DC-207	34 40 32	82 48 4	0.1	L	N	G(2)	30	N	N	N	20	N	N	N	N	N
52-DC-208 x	34 40 32	82 48 4	0.1	L	N	G(2)	20	N	N	N	20	N	3	N	N	N
52-DC-209	34 40 12	82 47 43	0.15	L	N	G(2)	30	N	N	N	20	N	3	N	N	N
52-DC-210	34 40 51	82 45 45	0.1	L	N	G(2)	30	N	N	N	20	L	N	N	N	N
52-DC-211 x	34 40 51	82 45 45	0.1	L	N	G(2)	20	N	N	N	20	L	N	N	N	N
52-DC-212	34 21 9	82 42 29	0.1	L	N	2	50	N	N	N	20	70	N	N	N	N
52-DC-213	34 19 10	82 42 37	0.2	L	0.5	2	50	N	N	N	20	L	N	N	N	N
52-DC-215	34 19 28	82 44 23	0.15	L	L	0.15	20	N	N	N	20	L	N	N	N	N
52-DC-217	34 23 37	82 40 12	0.1	L	0.1	0.2	50	N	N	N	20	L	N	N	N	N
52-DC-218 x	34 23 37	82 40 12	0.1	L	N	0.2	50	N	N	N	20	L	N	N	N	N
52-DC-219	34 23 30	82 39 28	L	L	N	0.7	30	N	N	N	20	70	N	N	N	N
52-DC-220	34 25 6	82 39 41	L	L	N	1	20	N	N	N	20	L	N	N	N	N
52-DC-222	34 22 16	82 40 0	L	L	N	1	70	N	N	N	20	L	N	N	N	N
52-DC-224	34 22 6	82 39 40	L	L	L	0.7	100	N	N	N	20	L	N	N	N	N
52-DC-225	34 21 8	82 40 9	L	L	N	0.5	50	N	N	N	50	N	N	N	N	N
52-DC-226	34 19 58	82 40 12	L	L	N	2	50	N	N	N	20	L	N	N	N	N
52-DC-227 x	34 19 58	82 40 12	0.15	L	L	G(2)	30	N	N	N	20	L	N	N	N	N
52-DC-229	34 21 9	82 37 49	0.1	L	N	G(2)	30	N	N	N	20	L	2	N	N	N
52-DC-230	34 20 50	82 37 13	0.1	L	N	G(2)	30	N	N	N	20	L	N	N	N	N
52-DC-234	34 20 2	82 35 31	0.2	L	N	G(2)	100	N	N	N	20	L	N	N	N	N
52-DC-236	34 20 29	82 33 12	0.1	L	0.7	G(2)	50	N	N	N	20	L	N	N	N	N
52-DC-237	34 23 34	82 36 54	L	L	L	2	30	N	N	N	N	100	N	N	N	N
52-DC-239	34 26 26	82 37 21	0.1	L	L	0.2	20	N	N	N	N	100	N	N	N	N
52-DC-240	34 25 16	82 37 57	0.15	L	0.1	G(2)	70	N	N	N	20	N	N	N	N	N
52-DC-242	34 26 56	82 38 55	0.2	L	N	G(2)	30	N	N	N	20	N	N	N	N	N
52-DC-243	34 28 14	82 38 19	0.2	L	N	G(2)	50	N	N	N	20	N	N	N	N	N
52-DC-244	34 30 47	82 37 29	0.3	0.05	L	G(2)	100	N	N	N	30	N	2	N	N	10
52-DC-245	34 31 38	82 38 22	L	L	L	G(2)	50	N	N	N	20	N	50	N	N	N
52-DC-246	34 31 7	82 37 59	0.1	L	L	G(2)	100	N	N	N	20	N	N	N	N	N
52-DC-247 x	34 31 7	82 37 59	0.2	L	N	G(2)	50	N	N	N	20	N	N	N	N	N
52-DC-248	34 32 23	82 37 15	0.15	L	N	G(2)	70	N	N	N	20	100	N	N	N	N
52-DC-249	34 32 41	82 38 32	0.15	L	N	G(2)	50	N	N	N	20	N	N	N	N	N
52-DC-250	34 31 13	82 36 28	3	L	L	G(2)	100	N	N	N	30	N	N	N	N	20
52-DC-251	34 32 55	82 35 13	0.3	L	L	G(2)	100	N	N	N	50	N	L	N	N	10
52-DC-252	34 33 43	82 36 46	0.1	L	N	G(2)	30	N	N	N	20	N	3	N	N	N
52-DC-254	34 34 50	82 36 1	0.2	L	L	G(2)	70	N	N	N	20	N	7	N	N	N
52-DC-255	34 35 46	82 35 52	0.2	L	L	G(2)	100	N	N	N	20	N	L	N	N	N
52-DC-256	34 36 31	82 35 9	0.2	L	L	G(2)	30	N	N	N	20	N	L	N	N	10
52-DC-259	34 38 7	82 34 8	0.1	L	L	G(2)	30	N	N	N	20	N	2	N	N	N

Table 1 (continued)

Sample No.	Cr	Cu	La	Mo	Nb	Ni	Pb	Sb	Sc	Sn	Sr	Th	V	W	Y	Zn	Zr
52-DC-180	20	N	100	N	L	20	L	N	200	N	200	N	100	N	700	N	G(2000)
52-DC-182	200	N	L	N	150	10	N	N	50	L	N	N	500	N	100	N	G(2000)
52-DC-183	200	N	N	N	200	L	N	N	50	150	N	N	500	N	100	N	G(2000)
52-DC-185	200	N	N	N	300	L	N	N	50	N	N	N	500	N	100	N	G(2000)
52-DC-188	30	L	500	N	N	50	L	N	150	N	L	L	200	N	500	N	G(2000)
52-DC-189	20	N	N	N	N	15	20	N	150	N	L	N	70	N	300	N	G(2000)
52-DC-190	L	L	L	N	N	20	20000	1500	150	N	200	L	70	N	700	N	G(2000)
52-DC-191	L	20	L	N	L	20	300	N	150	300	200	L	50	N	1000	N	G(2000)
52-DC-192	L	N	L	N	100	20	20	N	150	N	200	L	50	N	700	N	G(2000)
52-DC-195	150	N	100	N	70	10	L	N	100	N	L	N	500	N	300	N	G(2000)
52-DC-196	70	N	N	N	70	15	L	N	70	N	L	N	300	N	300	N	G(2000)
52-DC-197	30	N	700	N	70	15	N	N	70	L	200	L	100	N	300	N	G(2000)
52-DC-198	100	N	N	N	50	10	N	N	100	N	N	N	300	N	300	N	G(2000)
52-DC-199	L	N	N	N	70	15	N	N	50	N	L	N	70	N	200	N	G(2000)
52-DC-200	L	N	N	N	70	10	N	N	L	N	L	N	50	N	70	N	G(2000)
52-DC-201	50	N	N	N	50	15	L	N	70	N	L	N	300	N	200	N	G(2000)
52-DC-204	N	N	100	N	L	L	100	N	N	N	L	N	20	N	70	N	G(2000)
52-DC-207	L	10	500	N	L	20	100	N	150	30	200	L	100	N	700	N	G(2000)
52-DC-208	50	N	N	N	L	15	L	N	150	L	L	L	200	N	1000	N	G(2000)
52-DC-209	100	N	100	N	70	20	20	N	150	70	L	N	200	N	1000	N	G(2000)
52-DC-210	70	15	N	N	N	15	N	N	200	N	L	N	100	N	1500	N	G(2000)
52-DC-211	20	L	L	N	N	20	N	N	150	N	L	N	70	N	1000	N	G(2000)
52-DC-212	N	N	150	N	N	30	50	N	150	N	200	N	30	N	1000	N	G(2000)
52-DC-213	N	N	N	N	N	15	N	N	70	N	L	N	70	N	700	N	G(2000)
52-DC-215	N	N	N	N	N	20	L	N	70	N	L	N	20	N	1000	N	G(2000)
52-DC-217	20	N	150	N	N	30	50	N	100	N	L	N	20	N	1000	N	G(2000)
52-DC-218	N	N	200	N	N	20	50	N	100	N	L	N	20	N	1000	N	G(2000)
52-DC-219	N	N	100	N	N	30	50	N	100	N	L	N	20	N	1000	N	G(2000)
52-DC-220	N	N	L	N	N	15	100	N	150	100	L	N	50	N	1000	N	G(2000)
52-DC-222	N	N	N	N	N	15	70	N	150	N	L	N	30	N	1000	N	G(2000)
52-DC-224	N	N	N	N	N	15	L	N	50	N	L	N	20	N	1000	N	G(2000)
52-DC-225	N	N	N	N	N	50	N	N	50	N	L	N	500	N	500	N	G(2000)
52-DC-226	N	50	N	N	N	20	200	N	150	N	L	N	L	N	1000	N	G(2000)
52-DC-227	100	50	150	N	100	20	150	N	70	100	L	N	300	N	700	N	G(2000)
52-DC-229	N	N	100	N	L	15	L	N	100	N	L	N	100	N	1000	N	G(2000)
52-DC-230	50	N	150	N	L	20	150	N	150	N	L	N	200	N	1000	N	G(2000)
52-DC-234	30	N	150	N	L	15	50	N	100	200	N	N	150	N	1000	N	G(2000)
52-DC-236	N	N	100	N	N	20	L	N	70	N	L	N	50	N	500	N	G(2000)
52-DC-237	N	N	100	N	N	30	50	N	150	N	200	N	20	N	1500	N	G(2000)
52-DC-239	20	N	L	N	70	10	20	N	100	50	N	N	150	N	700	N	G(2000)
52-DC-240	L	N	N	N	150	20	N	N	100	N	L	N	100	N	1000	N	G(2000)
52-DC-242	100	N	N	N	100	15	500	N	100	L	L	N	500	N	500	N	G(2000)
52-DC-243	100	20	N	N	100	200	200	N	100	700	L	N	500	N	700	N	G(2000)
52-DC-244	500	30	N	10	70	15	200	N	150	20	L	N	200	N	100	N	G(2000)
52-DC-245	70	500	N	N	70	15	50	N	150	20	L	N	300	N	500	N	G(2000)
52-DC-246	100	30	N	N	50	30	100	N	200	150	L	N	300	N	500	N	G(2000)
52-DC-247	70	N	N	N	50	20	N	N	200	100	L	N	500	N	500	N	G(2000)
52-DC-248	20	N	N	N	50	30	N	N	200	100	L	N	300	N	700	N	G(2000)
52-DC-249	150	N	N	N	200	15	200	N	150	100	L	N	500	N	300	N	G(2000)
52-DC-250	150	50	N	N	100	200	2000	N	50	500	N	N	200	N	200	N	G(2000)
52-DC-251	300	N	N	L	200	100	50	N	20	L	N	N	300	N	100	N	G(2000)
52-DC-252	200	10	100	N	70	10	200	N	150	500	N	N	500	N	300	N	G(2000)
52-DC-254	150	N	N	N	300	30	N	N	100	20	N	N	300	N	200	N	G(2000)
52-DC-255	200	N	N	N	50	30	L	N	150	300	N	N	300	N	300	N	G(2000)
52-DC-256	300	L	N	N	70	100	N	N	L	N	N	N	100	N	100	N	G(2000)
52-DC-259	20	10	N	10	N	20	70	N	200	300	L	N	100	N	1500	N	G(2000)

Table 1 (continued)

Sample No.	Latitude deg min sec	Longitude deg min sec	Fe(%)	Mg(%)	Ca(%)	Ti(%)	Mn	Ag	As	Au	B	Ba	Be	Bi	Cd	Co
52-DC-262 x	34 38 7	82 34 8	0.1	L	N	G(2)	30	N	N	20	20	N	N	N	N	N
52-DC-263	34 38 40	82 33 32	L	L	N	G(2)	50	N	N	N	20	N	N	N	N	N
52-DC-265	34 39 2	82 34 10	0.2	L	L	G(2)	50	N	N	N	20	N	N	N	N	N
52-DC-266	34 40 22	82 33 35	0.5	L	L	G(2)	70	N	L	N	20	N	N	N	N	N
52-DC-267	34 40 9	82 32 60	0.2	L	N	G(2)	50	N	N	N	20	200	N	N	N	N
52-DC-268	34 38 40	82 32 28	0.15	L	N	G(2)	50	N	N	N	20	100	N	N	N	N
52-DC-269	34 38 8	82 32 29	0.1	L	N	G(2)	20	N	N	N	20	70	5	N	N	N
52-DC-271	34 36 55	82 32 12	L	L	N	G(2)	20	N	N	N	20	N	N	N	N	N
52-DC-272 x	34 36 55	82 32 12	L	L	N	G(2)	300	N	N	N	20	N	N	N	N	N
52-DC-275	34 35 42	82 34 22	0.5	0.05	L	G(2)	100	N	N	N	20	N	N	N	N	N
52-DC-276	34 34 49	82 34 19	0.15	L	L	G(2)	70	N	N	N	20	N	N	N	N	N
52-DC-278	34 33 55	82 33 59	0.2	L	N	G(2)	50	N	N	N	50	N	5	N	N	L
52-DC-280	34 33 19	82 34 42	0.2	L	N	G(2)	70	N	N	N	50	N	2	N	N	L
52-DC-282	34 35 51	82 32 6	0.1	L	N	G(2)	20	N	N	N	30	N	L	N	N	N
52-DC-284	34 36 3	82 30 43	0.5	L	N	G(2)	70	N	N	N	30	N	L	N	N	N
52-DC-285	34 34 59	82 30 50	0.2	L	N	G(2)	50	N	N	N	50	N	10	N	N	N
52-DC-286	34 34 39	82 31 6	0.2	L	N	G(2)	30	N	N	N	20	N	5	N	N	N
52-DC-287 x	34 34 39	82 31 6	0.2	L	N	G(2)	50	N	N	N	20	N	10	N	N	N
52-DC-288	34 34 15	82 31 21	0.2	L	L	G(2)	70	N	N	N	30	N	5	N	N	N
52-DC-291	34 34 21	82 32 24	0.5	L	L	G(2)	20	N	N	N	20	N	5	N	N	N
52-DC-292	34 35 12	82 32 16	0.1	L	N	G(2)	20	N	N	N	20	N	5	N	N	N
52-DC-293 x	34 35 12	82 32 16	0.15	L	N	G(2)	20	N	N	N	20	N	5	N	N	N
52-DC-294	34 35 12	82 32 16	0.15	L	N	G(2)	20	N	N	N	20	N	5	N	N	N
52-DC-297	34 33 3	82 31 23	0.1	L	N	G(2)	30	N	N	N	20	N	5	N	N	N
52-DC-299	34 31 43	82 34 20	0.2	L	L	G(2)	70	N	N	N	20	N	5	N	N	N
52-DC-300 x	34 31 43	82 34 20	0.2	L	L	G(2)	70	N	N	N	20	N	5	N	N	N
52-DC-301 x	34 31 43	82 34 20	0.3	L	L	G(2)	70	N	N	300	30	N	5	N	N	10
52-DC-302	34 30 49	82 34 55	0.1	L	N	G(2)	20	N	N	N	30	N	5	N	N	N
52-DC-303 x	34 30 49	82 34 55	0.1	L	L	G(2)	50	N	N	N	70	N	5	N	N	N
52-DC-304	34 30 14	82 34 57	0.2	L	L	G(2)	20	N	N	N	20	N	5	N	N	N
52-DC-306	34 29 45	82 35 19	0.15	L	N	G(2)	70	N	N	N	20	N	5	N	N	N
52-DC-308	34 29 45	82 34 18	0.1	L	L	G(2)	20	N	N	N	N	N	5	N	N	N
52-DC-309	34 30 14	82 33 13	0.15	L	L	G(2)	70	N	N	N	20	L	5	N	N	N
52-DC-310	34 30 22	82 31 27	0.1	L	N	G(2)	30	N	N	N	20	N	5	N	N	N
52-DC-311	34 31 49	82 32 36	0.1	L	N	G(2)	30	N	N	N	20	N	5	N	N	N
52-DC-312	34 31 16	82 33 6	0.1	L	N	G(2)	30	N	N	N	20	N	5	N	N	N
52-DC-313	34 31 14	82 33 45	0.2	L	L	G(2)	50	N	N	N	20	N	5	N	N	N
52-DC-314	34 30 52	82 34 12	0.1	L	L	G(2)	50	N	N	N	20	N	5	N	N	N
52-DC-316	34 28 54	82 32 53	L	L	L	G(2)	50	N	N	N	20	N	5	N	N	N
52-DC-318	34 28 12	82 33 2	L	L	N	G(5)	30	N	N	N	50	N	5	N	N	N
52-DC-330	34 26 16	82 31 23	L	L	L	G(2)	30	N	N	N	50	N	5	N	N	N
52-DC-331	34 27 16	82 31 20	0.1	L	L	G(2)	50	N	N	N	50	N	5	N	N	N
52-DC-332	34 27 3	82 30 2	0.2	L	L	G(2)	50	N	N	N	50	N	5	N	N	N
52-DC-333	34 27 40	82 29 8	0.15	L	L	G(2)	50	N	N	N	50	N	5	N	N	N
52-DC-335	34 27 42	82 29 59	0.1	L	L	G(2)	50	N	N	N	50	N	5	N	N	N
52-DC-336	34 28 51	82 30 22	L	L	0.2	G(2)	100	N	N	N	50	N	5	N	N	N
52-DC-337	34 29 52	82 30 33	0.15	L	0.1	G(2)	30	N	N	N	50	N	5	N	N	N
52-DC-338	34 29 40	82 29 40	0.2	L	L	G(2)	30	N	N	N	50	N	5	N	N	N
52-DC-339	34 29 5	82 28 15	0.3	L	L	G(2)	150	N	N	N	50	N	5	N	N	N
52-DC-341	34 27 8	82 25 48	0.3	L	N	G(2)	30	N	N	N	50	N	5	N	N	N
52-DC-342 x	34 27 8	82 25 48	0.3	L	L	G(2)	50	N	N	N	70	N	5	N	N	10
52-DC-344	34 26 27	82 25 58	0.3	L	L	G(2)	50	N	N	N	70	N	5	N	N	10
52-DC-346	34 27 7	82 27 21	0.3	L	N	G(2)	20	N	N	N	50	N	5	N	N	N
52-DC-348	34 27 6	82 26 52	0.3	L	N	G(2)	20	N	N	N	50	N	5	N	N	N
52-DC-350	34 23 58	82 27 12	0.3	L	N	G(2)	70	N	N	N	50	N	5	N	N	N
52-DC-351	34 24 17	82 27 39	0.15	L	N	G(2)	30	N	N	N	50	N	5	N	N	10

Table 1 (continued)

Sample No.	Cr	Cu	La	Mo	Nb	Ni	Pb	Sb	Sc	Sn	Sr	Th	V	W	Y	Zn	Zr
52-DC-262	L	N	300	N	100	15	N	N	200	700	L	200	200	N	500	N	G(2000)
52-DC-263	200	N	N	N	100	10	N	N	70	50	L	N	500	N	200	N	G(2000)
52-DC-265	300	L	N	N	N	100	30000	1000	200	100	L	N	100	N	500	N	G(2000)
52-DC-266	20	L	500	N	L	20	N	N	150	L	L	200	70	N	500	500	G(2000)
52-DC-267	200	N	N	N	70	100	200	N	150	50	L	N	300	N	700	N	G(2000)
52-DC-268	20	N	N	N	N	15	N	N	200	N	L	N	150	N	500	N	G(2000)
52-DC-269	50	L	300	N	70	20	N	N	150	N	L	N	200	N	500	N	G(2000)
52-DC-271	20	N	N	N	N	20	N	N	200	50	L	N	200	N	1000	N	G(2000)
52-DC-272	50	N	N	N	N	20	L	N	200	50	L	N	200	N	1000	N	G(2000)
52-DC-275	100	15	100	N	L	10	N	N	100	N	L	N	200	N	300	N	G(2000)
52-DC-276	100	N	N	N	50	10	N	N	70	N	L	N	200	N	300	N	G(2000)
52-DC-278	150	N	300	N	100	10	N	N	20	N	N	N	150	N	150	N	G(2000)
52-DC-280	200	N	N	N	150	10	N	N	50	N	N	N	300	N	300	N	G(2000)
52-DC-282	100	L	100	N	L	15	N	N	100	N	L	N	200	N	300	N	G(2000)
52-DC-284	300	N	N	N	200	10	N	N	70	150	N	N	300	N	200	N	G(2000)
52-DC-285	200	15	500	N	150	10	300	N	100	30	N	N	300	N	300	N	G(2000)
52-DC-286	200	N	N	N	150	50	20	N	100	100	N	N	300	N	300	N	G(2000)
52-DC-287	150	N	300	N	100	10	50	N	100	N	N	N	300	N	300	N	G(2000)
52-DC-288	200	N	1500	N	100	L	L	N	150	N	N	200	200	N	500	N	G(2000)
52-DC-291	200	N	L	N	50	L	N	N	L	N	N	N	200	N	100	N	G(2000)
52-DC-292	150	20	300	N	50	10	20000	500	150	50	L	L	150	N	500	N	G(2000)
52-DC-293	100	N	N	N	L	10	150	N	70	N	L	N	150	N	300	N	G(2000)
52-DC-294	100	N	L	N	N	10	L	N	70	N	N	N	100	N	300	N	G(2000)
52-DC-297	L	N	N	N	50	20	70	N	150	L	200	N	100	N	700	N	G(2000)
52-DC-299	200	N	N	N	150	30	20	N	100	200	N	N	500	N	700	N	G(2000)
52-DC-300	150	N	L	N	100	L	N	N	50	L	N	N	200	N	200	N	G(2000)
52-DC-301	150	30	L	N	200	10	50	N	50	100	N	N	200	N	200	N	G(2000)
52-DC-302	50	N	N	N	L	30	100	N	150	150	200	N	100	N	1000	N	G(2000)
52-DC-303	50	N	150	N	L	10	L	N	150	150	N	N	100	N	1000	N	G(2000)
52-DC-304	50	N	700	N	100	10	L	N	100	700	N	N	200	N	1000	N	G(2000)
52-DC-306	100	N	L	N	50	50	N	N	100	N	L	N	500	N	1000	N	G(2000)
52-DC-308	N	N	100	N	50	20	20	N	150	70	N	N	200	N	1000	N	G(2000)
52-DC-309	N	10	N	N	L	20	200	N	200	20	200	N	150	N	1000	N	G(2000)
52-DC-310	L	N	300	N	50	20	70	N	150	700	N	N	100	N	500	N	G(2000)
52-DC-311	L	N	100	N	70	15	N	N	100	N	L	N	150	N	500	N	G(2000)
52-DC-312	N	N	100	N	50	20	N	N	200	70	L	N	50	N	1000	N	G(2000)
52-DC-313	L	N	100	N	150	20	50	N	200	100	L	300	100	N	1000	N	G(2000)
52-DC-314	L	20	G(2000)	N	50	15	N	N	150	30	L	N	70	N	1000	N	G(2000)
52-DC-316	N	N	L	N	N	15	30	N	200	100	L	N	20	N	1000	N	G(2000)
52-DC-318	N	N	N	N	N	20	50	N	150	30	L	N	30	N	1000	N	G(2000)
52-DC-330	N	N	N	N	L	30	50	N	150	N	L	N	150	N	1000	N	G(2000)
52-DC-331	30	N	150	N	70	15	50	N	50	100	L	N	50	N	1000	N	G(2000)
52-DC-332	100	N	N	N	70	20	70	N	100	100	L	N	500	N	300	N	G(2000)
52-DC-333	20	N	150	N	70	20	300	N	100	100	L	200	150	N	1000	N	G(2000)
52-DC-335	L	N	N	N	N	15	300	N	100	100	L	N	100	N	1000	N	G(2000)
52-DC-336	N	N	N	N	L	50	N	N	50	N	L	N	L	N	500	N	G(2000)
52-DC-337	70	N	100	N	50	10	N	N	50	70	L	N	L	N	500	N	G(2000)
52-DC-338	200	N	N	N	150	N	N	N	20	N	L	N	1000	N	100	N	G(2000)
52-DC-339	300	10	L	N	N	100	30	N	100	N	L	N	150	N	1000	N	G(2000)
52-DC-341	500	N	N	N	500	50	3000	3000	100	500	L	N	500	N	200	N	G(2000)
52-DC-342	500	N	L	15	200	100	L	N	100	20	N	N	200	N	100	N	G(2000)
52-DC-344	200	N	100	N	300	15	N	N	50	100	N	N	300	N	150	N	G(2000)
52-DC-346	200	N	L	N	300	30	500	N	100	700	N	N	500	N	150	N	G(2000)
52-DC-348	300	N	L	N	500	20	N	N	100	100	N	N	500	N	150	N	G(2000)
52-DC-350	150	N	L	N	200	20	30	N	150	200	N	N	500	N	200	N	G(2000)
52-DC-351	200	N	150	N	100	20	20	N	70	150	N	N	500	N	300	N	G(2000)

Table 1 (continued)

Sample No.	Latitude deg min sec	Longitude deg min sec	Fe(%)	Mg(%)	Ca(%)	Ti(%)	Mn	Ag	As	Au	B	Ba	Be	Bi	Cd	Co
52-DC-353	34 23 0	82 27 36	0.3	L	L	G(2)	50	N	N	N	20	N	L	N	N	10
52-DC-354	34 21 15	82 28 10	0.3	L	L	G(2)	50	N	N	N	50	N	10	N	N	15
52-DC-355 x	34 21 15	82 28 10	0.2	L	L	G(2)	50	N	N	N	50	N	10	N	N	15
52-DC-357	34 21 56	82 28 54	0.3	L	N	G(2)	50	N	N	N	70	N	10	N	N	15
52-DC-358	34 23 1	82 29 32	0.3	L	N	G(2)	30	N	N	N	70	N	70	N	N	10
52-DC-359	34 22 2	82 29 43	0.3	L	N	G(2)	30	N	N	N	20	N	2	N	N	N
52-DC-360 x	34 22 2	82 29 43	0.3	L	N	G(2)	20	N	N	N	50	N	20	N	N	L
52-DC-361	34 25 25	82 30 1	0.3	L	N	G(2)	30	N	N	N	50	N	70	N	N	15
52-DC-363	34 23 15	82 31 30	0.3	L	N	G(2)	30	N	N	N	50	N	20	N	N	15
52-DC-364	34 23 3	82 32 21	0.3	L	N	G(2)	50	N	N	N	300	N	7	N	N	N
52-DC-367	34 20 29	82 33 12	0.15	L	N	G(2)	30	N	N	N	50	N	7	N	N	L
52-DC-368	34 26 6	82 21 46	0.15	L	0.2	G(2)	30	N	N	N	20	N	5	N	N	N
52-DC-370	34 24 52	82 18 47	0.2	L	0.2	G(2)	70	N	N	N	30	N	7	N	N	N
52-DC-373	34 27 22	82 19 7	0.1	L	0.2	G(2)	30	N	N	N	50	N	7	N	N	L
52-DC-374	34 27 5	82 18 58	0.2	L	0.2	G(2)	700	N	N	N	20	1500	100	N	N	L
52-DC-375	34 27 49	82 18 34	0.2	L	0.3	G(2)	50	N	N	N	30	70	15	N	N	L
52-DC-376	34 28 40	82 19 31	0.2	L	L	G(2)	30	N	N	N	30	N	3	N	N	L
52-DC-379	34 27 43	82 21 23	0.2	L	N	G(2)	30	N	N	N	30	N	10	N	N	N
52-DC-380	34 28 5	82 21 51	0.15	L	N	G(2)	50	N	N	N	30	N	5	N	N	N
52-DC-381 x	34 28 5	82 21 51	0.2	L	N	G(2)	20	N	N	N	30	N	3	N	N	N
52-DC-385	34 29 27	82 23 39	0.2	L	N	G(2)	20	N	N	N	30	L	3	N	N	N
52-DC-386	34 28 40	82 23 5	0.15	L	N	G(2)	20	N	N	N	30	N	15	N	N	N
52-DC-388	34 28 50	82 24 29	0.15	L	L	G(2)	50	N	N	N	30	N	7	N	N	N
52-DC-389	34 29 24	82 25 32	0.15	L	L	G(2)	50	N	N	N	30	N	3	N	N	N
52-DC-390	34 29 8	82 26 45	0.3	L	N	G(2)	30	N	N	N	20	N	20	N	N	N
52-DC-393	34 31 41	82 26 46	0.2	L	L	G(2)	50	N	N	N	30	50	20	N	N	N
52-DC-395	34 31 8	82 28 2	0.2	L	0.1	G(2)	100	N	N	N	L	100	100	N	N	N
52-DC-396	34 32 4	82 27 59	0.2	L	N	G(2)	70	N	N	N	L	100	5	N	N	N
52-DC-397	34 32 13	82 27 30	0.2	L	N	G(2)	50	N	N	N	20	50	50	N	N	N
52-DC-398	34 32 56	82 23 23	0.5	L	N	G(2)	150	N	N	N	100	L	50	N	N	N
52-DC-399	34 33 17	82 28 34	0.15	L	N	G(2)	20	N	N	N	20	L	7	N	N	N
52-DC-401	34 34 26	82 25 58	1	L	L	G(2)	150	N	N	N	20	L	100	N	N	N
52-DC-402	34 35 35	82 27 29	0.3	0.05	N	G(2)	50	N	N	N	200	N	2	N	N	N
52-DC-403	34 34 50	82 28 6	0.2	L	N	G(2)	50	15	N	N	150	N	20	N	N	N
52-DC-404 x	34 34 50	82 28 6	0.3	0.05	N	G(2)	100	N	N	N	150	N	5	N	N	N
52-DC-405	34 35 34	82 28 18	0.3	L	N	G(2)	30	N	N	N	150	L	7	N	N	N
52-DC-406	34 36 16	82 27 45	0.2	0.05	N	G(2)	20	N	N	N	150	N	7	N	N	N
52-DC-407	34 37 7	82 28 54	0.2	0.05	L	G(2)	20	N	N	N	20	70	5	N	N	N
52-DC-408	34 38 27	82 29 32	0.2	L	N	G(2)	30	N	N	N	30	50	5	N	N	N
52-DC-409	34 38 55	82 30 28	0.15	L	N	G(2)	30	N	N	N	30	50	5	N	N	N
52-DC-410	34 39 16	82 30 49	0.2	L	N	G(2)	L	N	N	N	30	N	L	N	N	N
52-DC-411	34 39 16	82 30 49	0.2	L	N	G(2)	20	N	N	N	30	N	3	N	N	10
52-DC-412	34 41 51	82 32 34	0.1	L	L	G(2)	30	N	N	N	20	L	5	N	N	N
52-DC-413	34 41 36	82 32 7	0.1	L	L	G(2)	50	N	N	N	20	L	N	N	N	N
52-DC-414 x	34 41 36	82 32 7	0.1	L	N	G(2)	30	N	N	N	30	N	N	N	N	N
52-DC-416	34 41 18	82 29 24	0.1	L	N	G(2)	20	N	N	N	L	N	3	N	N	N
52-DC-417	34 41 0	82 29 52	0.15	L	N	G(2)	30	N	N	N	L	N	N	N	N	N
52-DC-418	34 40 42	82 29 10	0.2	L	N	G(2)	L	N	N	N	20	N	L	N	N	N
52-DC-419 x	34 40 42	82 29 10	0.2	L	N	G(2)	L	N	N	N	50	N	5	N	N	N
52-DC-420	34 40 30	82 28 42	0.2	L	N	G(2)	70	N	N	N	L	N	7	N	N	N
52-DC-421	34 41 12	82 28 14	0.15	L	0.2	G(2)	20	N	N	N	L	N	5	N	N	N
52-DC-422	34 44 58	82 28 33	0.15	0.05	N	G(2)	30	N	N	N	50	N	L	N	N	N
52-DC-424	34 44 4	82 30 30	0.15	L	N	G(2)	50	N	N	N	30	N	L	N	N	N
52-DC-426	34 45 24	82 30 2	0.3	L	N	G(2)	70	N	N	N	L	N	L	N	N	10
52-DC-428	34 47 5	82 31 18	1.5	0.05	0.3	1.5	700	N	N	N	L	100	L	N	N	15
52-DC-429	34 45 53	82 31 48	0.5	0.05	0.5	2	500	N	N	N	N	L	N	N	N	N

Table 1 (continued)

Sample No.	Cr	Cu	La	Mo	Nb	Ni	Pb	Sb	Sc	Sn	Sr	Th	V	W	Y	Zn	Zr
52-DC-353	100	50	100	N	500	10	50000	500	70	500	N	N	500	N	200	N	G(2000)
52-DC-354	150	N	100	N	70	50	100	N	70	200	N	N	500	N	200	N	G(2000)
52-DC-355	100	N	150	N	50	L	L	N	50	200	N	N	500	N	200	N	G(2000)
52-DC-357	200	N	L	N	100	30	N	N	100	70	N	N	500	N	200	N	G(2000)
52-DC-358	200	N	200	N	70	20	20	N	70	300	N	N	500	N	300	N	G(2000)
52-DC-359	200	N	100	N	100	L	N	N	100	70	N	N	500	N	300	N	G(2000)
52-DC-360	100	N	150	N	150	100	20	N	150	N	N	N	300	N	500	N	G(2000)
52-DC-361	700	N	L	N	1000	100	300	N	70	1000	N	N	700	N	200	N	G(2000)
52-DC-363	150	20	L	N	300	30	70	N	100	700	N	N	1000	N	300	N	G(2000)
52-DC-364	100	N	2000	N	300	N	N	N	50	70	N	N	500	N	500	N	G(2000)
52-DC-367	70	N	1000	N	150	10	N	N	150	L	L	N	500	N	300	N	G(2000)
52-DC-368	50	N	L	N	70	20	50	N	100	30	L	N	200	N	500	N	G(2000)
52-DC-370	300	N	N	N	100	70	100	N	20	100	L	N	300	N	500	N	G(2000)
52-DC-373	200	N	N	N	150	10	L	N	70	70	L	N	500	N	300	N	G(2000)
52-DC-374	70	N	200	N	100	15	100	N	100	100	200	N	200	N	500	N	G(2000)
52-DC-375	50	N	L	N	200	10	N	N	70	70	L	N	150	N	300	N	G(2000)
52-DC-376	100	N	N	N	150	15	20	N	100	100	L	N	300	N	300	N	G(2000)
52-DC-379	200	N	N	N	200	20	20	N	150	150	L	N	500	N	300	N	G(2000)
52-DC-380	150	10	N	N	100	L	20	N	150	150	L	N	300	N	500	N	G(2000)
52-DC-381	150	N	N	N	150	20	L	N	100	150	L	N	300	N	500	N	G(2000)
52-DC-385	100	N	700	N	500	10	50	N	200	70	N	N	500	N	500	N	G(2000)
52-DC-386	100	N	200	N	100	10	20	N	150	100	N	N	500	N	500	N	G(2000)
52-DC-388	100	N	L	N	100	15	L	N	150	70	L	N	200	N	500	N	G(2000)
52-DC-389	100	L	N	N	50	30	20	N	50	30	L	N	100	N	700	N	G(2000)
52-DC-390	70	N	700	N	500	L	30	N	100	100	L	N	700	N	500	N	G(2000)
52-DC-393	150	30	1500	N	300	10	50	N	70	20	N	300	200	N	500	N	G(2000)
52-DC-395	N	N	1500	N	70	20	70	N	70	50	L	200	50	N	700	N	G(2000)
52-DC-396	50	2	700	N	200	20	30	N	70	150	L	200	100	N	1000	N	G(2000)
52-DC-397	100	20	2000	N	300	20	100	N	100	50	N	L	200	N	500	N	G(2000)
52-DC-398	150	N	1500	N	200	15	N	N	100	50	N	L	200	N	500	N	G(2000)
52-DC-399	100	N	G(2000)	N	150	15	N	N	70	300	N	300	150	N	500	N	G(2000)
52-DC-401	200	N	100	N	500	L	200	N	20	20	N	N	200	N	150	N	G(2000)
52-DC-402	150	N	2000	N	500	10	L	N	100	30	N	200	300	N	200	N	G(2000)
52-DC-403	200	N	2000	N	500	10	L	N	70	500	N	300	300	N	200	N	G(2000)
52-DC-404	150	N	G(2000)	N	200	15	30	N	70	50	N	1000	200	N	700	N	G(2000)
52-DC-405	300	L	150	N	500	L	300	N	150	200	N	N	300	N	200	N	G(2000)
52-DC-406	300	N	150	N	300	10	N	N	50	100	N	N	200	300	100	N	G(2000)
52-DC-407	300	70	500	N	300	L	150	N	70	300	N	N	200	N	200	N	G(2000)
52-DC-408	300	N	G(2000)	N	200	L	100	N	50	L	N	1000	150	N	700	N	G(2000)
52-DC-409	70	50	G(2000)	N	150	15	20	N	200	L	N	500	200	N	700	N	G(2000)
52-DC-410	200	N	N	N	100	70	N	N	100	30	L	N	300	N	500	N	G(2000)
52-DC-411	200	70	L	N	70	15	50	N	50	N	N	N	300	N	200	N	G(2000)
52-DC-412	L	N	N	N	N	20	N	N	150	N	200	N	30	N	1000	N	G(2000)
52-DC-413	20	20	N	N	N	30	50	N	150	L	L	N	70	N	1000	N	G(2000)
52-DC-414	20	N	L	N	100	20	50	N	200	L	L	N	150	N	1000	N	G(2000)
52-DC-416	70	N	2000	N	100	10	N	N	N	N	N	300	150	N	700	N	G(2000)
52-DC-417	150	N	150	N	50	10	20	N	N	N	N	N	200	N	100	N	G(2000)
52-DC-418	20	N	2000	N	300	15	20	N	100	N	N	300	150	N	500	N	G(2000)
52-DC-419	200	N	500	N	150	L	N	N	70	N	N	N	200	N	500	N	G(2000)
52-DC-420	200	N	1500	N	150	10	20	N	100	N	N	200	100	N	300	N	G(2000)
52-DC-421	200	N	2000	N	150	L	30	N	100	N	N	300	200	N	500	N	G(2000)
52-DC-422	300	N	G(2000)	N	200	10	30	N	L	L	N	500	300	N	300	N	G(2000)
52-DC-424	L	N	100	N	100	20	L	N	200	N	L	N	70	N	1000	N	G(2000)
52-DC-426	100	N	200	N	100	10	30	N	50	50	N	300	200	N	500	N	G(2000)
52-DC-428	L	1500	G(2000)	N	N	10	150	N	150	200	N	1000	100	N	500	N	G(2000)
52-DC-429	L	N	700	N	L	15	N	N	100	70	L	N	70	N	500	N	G(2000)

Table 1 (continued)

Sample No.	Latitude deg min sec	Longitude deg min sec	Fe(%)	Mg(%)	Ca(%)	Ti(%)	Mn	Ag	As	Au	B	Ba	Be	Bj	Cd	Co
52-DC-430	34 45 30	82 32 27	0.1	N	N	0.5	30	N	N	N	N	100	N	N	N	N
52-DC-432	34 46 40	82 33 27	0.15	N	N	1	150	N	N	70	L	L	N	N	N	N
52-DC-433	34 46 15	82 32 17	0.1	L	0.2	0.7	50	20	N	N	N	100	N	N	N	N
52-DC-434	34 46 15	82 32 17	0.2	L	L	0.7	150	N	N	N	N	70	N	N	N	N
52-DC-436	34 47 30	82 31 55	0.3	L	L	1	30	N	N	N	20	N	100	N	N	10
52-DC-437	34 47 33	82 32 42	0.1	L	L	0.2	30	N	N	N	N	100	N	N	N	N
52-DC-445	34 57 1	82 26 17	0.15	L	0.15	G(2)	50	N	N	N	100	L	10	N	N	N
52-DC-449	34 51 48	82 27 7	0.5	0.05	N	G(2)	70	5	N	N	200	L	20	N	N	L
52-DC-450	34 52 32	82 23 44	0.5	L	L	G(2)	30	N	N	N	20	L	3	N	N	N
52-DC-451	34 52 32	82 23 44	0.5	L	L	G(2)	30	N	N	N	30	L	5	N	N	L
52-DC-452	34 52 32	82 23 44	0.5	0.05	L	G(2)	30	N	N	N	50	L	30	N	N	N
52-DC-453	34 53 23	82 22 37	0.5	L	N	G(2)	30	N	N	N	30	N	100	N	N	N
52-DC-454	34 53 23	82 22 37	0.5	L	N	G(2)	30	N	N	N	50	N	200	N	N	N
52-DC-456	34 53 23	82 22 37	0.3	L	N	G(2)	20	N	N	N	150	N	200	N	N	N
52-DC-458	34 53 23	82 22 37	0.5	L	N	G(2)	20	N	N	N	70	N	200	N	N	N
52-DC-459	34 51 54	82 22 45	0.2	L	0.1	G(2)	70	N	N	N	100	N	100	N	N	N
52-DC-460	34 51 14	82 22 33	0.5	0.05	0.1	G(2)	50	N	N	N	100	L	15	N	N	N
52-DC-462	34 50 8	82 28 4	0.2	L	0.1	G(2)	50	N	N	N	1000	L	15	N	N	N
52-DC-464	34 50 46	82 28 58	0.2	0.07	N	G(2)	30	N	N	N	20	L	100	N	N	N
52-DC-465	34 48 25	82 27 24	0.15	L	N	G(2)	50	N	N	N	20	L	15	N	N	N
52-DC-466	34 48 25	82 27 24	0.15	L	0.1	G(2)	30	N	N	N	20	L	15	N	N	N
52-DC-467	34 48 50	82 25 50	5	0.05	L	G(2)	30	N	N	N	150	L	150	N	N	15
52-DC-468	34 48 23	82 24 50	0.3	0.05	N	G(2)	30	N	N	N	1000	L	150	N	N	N
52-DC-470	34 44 28	82 25 20	0.15	L	0.3	G(2)	50	N	N	N	L	L	N	N	N	N
52-DC-472	34 47 14	82 22 45	0.3	L	0.1	G(2)	50	N	N	N	200	L	15	N	N	N
52-DC-474	34 45 44	82 23 50	0.15	L	N	G(2)	30	N	N	N	L	L	N	N	N	N
52-DC-475	34 45 53	82 24 32	0.2	L	L	G(2)	30	N	N	N	20	L	5	N	N	N
52-DC-476	34 45 7	82 24 37	0.3	L	L	G(2)	50	N	N	N	20	L	5	N	N	N
52-DC-479	34 42 45	82 25 20	0.2	L	L	G(2)	100	N	N	N	20	N	2	N	N	N
52-DC-482	34 41 52	82 27 4	0.2	L	N	G(2)	50	N	N	N	30	N	100	N	N	N
52-DC-483	34 42 6	82 25 32	0.2	L	N	G(2)	70	N	N	N	L	N	2	N	N	N
52-DC-484	34 41 54	82 24 48	0.15	L	L	G(2)	30	N	N	N	20	N	10	N	N	N
52-DC-485	34 41 13	82 24 35	0.15	L	L	G(2)	N	N	N	N	L	N	15	N	N	N
52-DC-486	34 40 44	82 25 38	0.2	L	L	G(2)	150	N	N	N	L	L	10	N	N	N
52-DC-487	34 40 12	82 25 44	0.3	L	L	G(2)	150	N	N	N	20	L	20	N	N	N
52-DC-488	34 39 49	82 25 54	0.15	L	L	G(2)	50	N	N	N	L	N	L	N	N	N
52-DC-489	34 38 45	82 24 45	0.15	L	N	G(2)	50	N	N	N	L	N	5	N	N	N
52-DC-490	34 38 45	82 24 45	0.1	L	N	G(2)	300	N	N	N	L	N	3	N	N	N
52-DC-491	34 38 20	82 25 27	0.15	L	N	G(2)	50	N	N	N	L	L	10	N	N	N
52-DC-493	34 38 20	82 25 27	0.15	L	0.5	G(2)	50	N	N	N	100	L	7	N	N	N
52-DC-494	34 38 20	82 25 27	0.15	L	0.2	G(2)	50	N	N	N	L	L	15	N	N	N
52-DC-498	34 36 34	82 24 45	0.1	L	N	G(2)	20	N	N	N	L	L	N	N	N	N
52-DC-499	34 36 7	82 24 45	0.1	L	N	G(2)	50	N	N	N	L	L	N	L	N	N
52-DC-500	34 36 16	82 25 37	0.15	L	L	G(2)	70	N	N	N	100	L	10	N	N	N
52-DC-501	34 36 19	82 22 55	0.2	L	L	G(2)	50	N	N	N	L	L	5	N	N	N
52-DC-502	34 34 55	82 23 17	0.2	N	N	G(2)	50	N	N	N	L	L	10	N	N	N
52-DC-503	34 34 23	82 22 29	0.5	L	N	G(2)	30	N	N	N	L	L	15	N	N	N
52-DC-504	34 34 23	82 22 29	0.15	L	N	G(2)	30	N	N	N	100	L	2	N	N	N
52-DC-505	34 34 23	82 22 29	0.2	0.05	N	G(2)	50	N	N	N	200	L	5	N	N	N
52-DC-506	34 34 27	82 21 53	0.5	N	N	G(2)	70	N	N	N	N	N	10	N	N	N
52-DC-507	34 33 15	82 20 36	0.5	L	0.2	G(2)	70	N	N	N	N	L	20	N	N	N
52-DC-509	34 31 54	82 21 6	0.7	L	0.1	G(2)	30	N	N	N	L	L	7	N	N	N
52-DC-513	34 46 19	82 22 8	0.3	L	N	G(2)	30	N	N	N	50	L	50	N	N	N
52-DC-516	34 44 6	82 21 30	0.2	L	N	G(2)	N	N	N	N	100	N	20	N	N	N
52-DC-519	34 42 49	82 21 9	0.5	L	N	G(2)	N	N	N	N	20	N	7	N	N	N
52-DC-520	34 42 49	82 21 9	0.1	L	N	G(2)	N	N	N	N	20	N	2	N	N	N

Table 1 (continued)

Sample No.	Cr	Cu	La	Mo	Nb	Ni	Pb	Sb	Sc	Sn	Sr	Th	V	W	Y	Zn	Zr
52-DC-430	N	N	700	N	N	20	L	N	150	N	L	N	20	N	700	N	G(2000)
52-DC-432	N	N	200	N	N	20	N	N	150	N	L	N	20	N	300	N	G(2000)
52-DC-433	N	N	300	N	N	20	L	N	100	1000	200	N	30	N	500	N	G(2000)
52-DC-434	N	N	2000	N	N	20	N	N	100	N	200	N	20	N	700	N	G(2000)
52-DC-436	20	N	100	N	50	10	N	N	30	20	N	N	70	N	700	N	G(2000)
52-DC-437	N	N	G(2000)	N	N	20	L	N	150	N	200	200	L	N	700	N	G(2000)
52-DC-445	100	30	G(2000)	100	100	20	30	N	100	50	L	500	150	N	700	N	G(2000)
52-DC-449	300	30	1000	300	300	20	30000	1000	300	700	N	200	200	N	200	N	G(2000)
52-DC-450	200	500	G(2000)	300	300	30	1500	700	70	100	N	1000	500	N	500	N	G(2000)
52-DC-451	200	N	1500	300	300	20	30	N	30	100	N	N	300	N	300	N	G(2000)
52-DC-452	200	N	G(2000)	300	300	10	50	N	50	70	N	700	500	N	500	N	G(2000)
52-DC-453	150	15	G(2000)	300	300	10	50	N	100	700	N	500	300	N	500	N	G(2000)
52-DC-454	150	N	2000	300	300	10	50	N	100	700	N	500	300	N	500	N	G(2000)
52-DC-456	200	L	1500	300	300	10	20	N	100	300	N	500	300	N	300	N	G(2000)
52-DC-458	200	N	G(2000)	500	500	10	50	N	150	1000	N	500	500	N	500	N	G(2000)
52-DC-459	200	10	2000	300	300	10	30	N	50	200	L	500	500	N	300	N	G(2000)
52-DC-460	300	500	1000	200	200	10	200	N	70	1000	N	300	200	N	300	N	G(2000)
52-DC-462	150	N	2000	150	150	15	20	N	100	150	N	L	300	N	500	N	G(2000)
52-DC-464	200	15	500	500	500	50	50	N	200	70	N	700	150	N	150	N	G(2000)
52-DC-465	50	N	G(2000)	100	100	20	N	N	200	70	L	L	200	N	700	N	G(2000)
52-DC-466	100	N	700	150	150	20	N	N	150	50	L	L	200	N	500	N	G(2000)
52-DC-467	150	500	G(2000)	300	300	30	2000	500	100	1500	N	500	500	N	300	N	G(2000)
52-DC-468	200	N	2000	700	700	10	20	N	70	1000	N	200	700	N	700	N	G(2000)
52-DC-470	30	L	700	50	50	30	N	N	100	L	N	N	70	N	500	N	G(2000)
52-DC-472	200	N	1000	300	300	10	20	N	100	70	N	N	500	N	500	N	G(2000)
52-DC-474	20	N	200	100	100	30	N	N	50	L	L	N	150	N	700	N	G(2000)
52-DC-475	20	30	500	150	150	30	50	N	70	100	L	L	150	N	500	N	G(2000)
52-DC-476	50	N	1500	300	300	30	N	N	100	20	L	200	200	N	500	N	G(2000)
52-DC-479	20	L	1500	150	150	20	N	N	30	70	L	300	70	N	500	N	G(2000)
52-DC-482	200	10	2000	300	300	20	20	N	70	N	N	300	100	N	700	N	G(2000)
52-DC-483	L	N	1500	70	70	20	N	N	100	N	L	300	70	N	700	N	G(2000)
52-DC-484	20	N	G(2000)	100	100	15	20	N	70	N	N	300	100	N	700	N	G(2000)
52-DC-485	100	100	2000	500	500	15	20	N	50	70	N	300	150	N	200	N	G(2000)
52-DC-486	100	N	1500	70	70	20	200	N	100	N	N	300	100	N	700	N	G(2000)
52-DC-487	200	15	300	300	300	15	700	N	30	N	L	200	100	N	700	N	G(2000)
52-DC-488	200	N	N	50	50	50	N	N	100	300	N	N	150	N	500	N	G(2000)
52-DC-489	100	N	1000	100	100	20	20	N	100	300	N	200	200	N	300	N	G(2000)
52-DC-490	70	N	700	150	150	20	N	N	150	N	L	N	100	N	500	N	G(2000)
52-DC-491	20	15	1000	50	50	20	N	N	100	N	N	L	70	N	500	N	G(2000)
52-DC-493	150	N	200	L	L	10	N	N	50	N	N	N	200	N	500	N	G(2000)
52-DC-494	100	N	300	N	N	20	N	N	50	N	N	N	100	N	300	N	G(2000)
52-DC-498	20	N	200	N	150	30	N	N	200	N	L	N	150	N	500	N	G(2000)
52-DC-499	50	L	200	N	500	15	10000	N	100	500	L	N	200	N	500	N	G(2000)
52-DC-500	150	N	300	N	100	10	50	N	150	150	L	N	150	N	200	N	G(2000)
52-DC-501	100	N	G(2000)	200	200	N	20	N	150	150	N	N	200	N	500	N	G(2000)
52-DC-502	100	N	700	700	700	10	1000	N	100	150	N	300	300	N	500	N	G(2000)
52-DC-503	150	N	2000	300	300	15	L	N	100	150	N	L	300	N	200	N	G(2000)
52-DC-504	100	L	300	200	200	10	20	N	70	50	N	N	200	N	150	N	G(2000)
52-DC-505	150	N	G(2000)	300	300	N	30	N	50	50	N	500	200	N	500	N	G(2000)
52-DC-506	150	N	300	1000	1000	N	N	N	70	100	N	N	500	N	200	N	G(2000)
52-DC-507	70	N	1000	700	700	N	N	N	50	100	N	L	300	N	200	N	G(2000)
52-DC-509	150	30	2000	1000	1000	N	150	N	150	200	N	200	300	N	150	N	G(2000)
52-DC-513	70	30	2000	300	300	20	100	N	150	200	L	500	200	N	300	N	G(2000)
52-DC-516	200	N	300	700	700	L	L	N	70	70	N	N	300	N	200	N	G(2000)
52-DC-519	200	200	500	500	500	N	30	N	70	L	N	L	100	N	150	N	G(2000)
52-DC-520	150	N	G(2000)	150	150	L	20	N	50	200	N	500	100	N	500	N	G(2000)

Table 1 (continued)

Sample No.	Latitude deg min sec	Longitude deg min sec	Fe(%)	Mg(%)	Ca(%)	Ti(%)	Mn	Ag	As	Au	B	Ba	Be	Bi	Cd	Co
52-DC-521	34 42 2	82 21 30	0.2	L	N	G(2)	30	N	N	N	20	N	3	N	N	N
52-DC-522 x	34 42 2	82 21 30	N	N	N	0.03	N	N	N	200	L	N	N	N	N	N
52-DC-524	34 43 20	82 21 34	0.2	L	N	G(2)	30	N	N	N	30	N	50	N	N	N
52-DC-525 x	34 43 20	82 21 34	0.15	L	N	G(2)	N	N	N	N	150	L	3	N	N	N
52-DC-529	34 41 29	82 20 23	0.2	0.05	N	G(2)	20	N	N	N	20	N	15	N	N	N
52-DC-533	34 40 4	82 21 23	0.15	L	N	G(2)	30	N	N	N	20	L	3	N	N	N
52-DC-535	34 39 12	82 22 1	0.15	L	N	G(2)	N	N	N	N	30	N	10	N	N	N
52-DC-540	34 39 34	82 20 22	0.1	L	N	G(2)	L	N	N	N	50	N	L	N	N	N
52-DC-543	34 40 1	82 19 41	0.15	L	N	G(2)	30	N	N	N	100	N	10	N	N	N
52-DC-544	34 38 11	82 19 59	0.2	L	N	G(2)	30	N	N	N	200	N	150	N	N	N
52-DC-548	34 37 24	82 21 42	0.3	L	N	G(2)	70	N	N	N	50	L	2	N	N	N
52-DC-553	34 37 59	82 23 2	0.15	L	N	G(2)	30	N	N	N	50	N	2	N	N	N
52-DC-555	34 36 12	82 19 44	0.1	L	N	G(2)	30	N	N	N	L	N	50	N	N	N
52-DC-558	34 36 43	82 17 51	0.15	L	N	G(2)	30	N	N	N	20	N	20	N	N	N
52-DC-561	34 36 14	82 23 7	0.3	L	N	G(2)	50	N	N	N	L	N	50	N	N	N
52-DC-563	34 35 21	82 19 40	0.3	L	N	G(2)	30	N	N	N	N	N	N	N	N	N
52-DC-564	34 34 44	82 19 26	0.5	L	N	G(2)	30	N	N	N	N	N	N	N	N	N
52-DC-565	34 33 36	82 16 42	1	L	N	G(2)	200	N	N	N	200	N	N	N	N	N
52-DC-568	34 33 58	82 18 60	1	N	N	G(2)	50	N	N	N	N	N	L	N	N	N
52-DC-569	34 33 59	82 17 53	1	N	N	G(2)	50	N	N	N	N	N	N	N	N	N
52-DC-570	34 32 41	82 16 12	1	N	N	G(2)	100	N	N	N	N	N	2	N	N	N
52-DC-571	34 32 14	82 16 58	0.2	N	N	G(2)	70	N	N	N	N	N	N	N	N	N
52-DC-574	34 33 41	82 23 42	0.3	L	N	G(2)	50	N	N	N	100	N	10	N	N	N
52-DC-575	34 32 56	82 23 18	0.5	L	N	G(2)	70	N	N	N	20	N	50	N	N	N
52-DC-576	34 28 3	82 17 34	0.3	L	N	G(5)	70	N	N	N	50	N	N	N	N	N
52-DC-578	34 26 37	82 16 47	0.2	L	0.3	G(2)	70	N	N	N	30	70	L	N	N	N
52-DC-579	34 24 3	82 13 18	0.1	L	0.5	G(2)	50	N	N	N	30	70	N	N	N	N
52-DC-580	34 23 41	82 9 23	0.15	L	0.2	G(2)	30	N	N	N	200	N	N	N	N	N
52-DC-582 x	34 23 41	82 9 23	0.3	L	0.3	G(2)	200	N	N	N	50	L	N	N	N	N
52-DC-584	34 48 49	82 21 45	0.5	L	N	G(2)	50	N	N	N	50	N	7	N	N	10
52-DC-585	34 48 14	82 21 39	0.3	0.05	N	G(2)	30	N	N	N	300	N	50	N	N	10
52-DC-586	34 46 41	82 20 39	0.3	0.05	N	G(2)	30	N	N	N	100	N	10	N	N	10
52-DC-587 x	34 46 41	82 20 39	0.3	L	N	G(2)	30	N	N	N	200	N	2	N	N	N
52-DC-588	34 47 7	82 20 28	0.3	L	N	G(2)	30	N	N	N	50	N	10	N	N	N
52-DC-589	34 50 2	82 20 34	0.5	0.05	0.1	G(2)	50	N	N	N	200	L	10	N	N	L
52-DC-590	34 48 24	82 19 35	0.5	L	N	G(2)	50	N	N	N	100	N	50	N	N	N
52-DC-591	34 45 29	82 19 27	0.3	L	N	G(2)	30	N	N	N	50	N	5	N	N	N
52-DC-592	34 44 28	82 19 12	0.2	L	N	G(2)	30	N	N	N	100	N	15	N	N	N
52-DC-593	34 43 52	82 18 14	0.3	L	N	G(2)	30	N	N	N	150	N	15	N	N	N
52-DC-594	34 44 48	82 17 54	0.2	L	N	G(2)	20	N	N	N	70	N	15	N	N	N
52-DC-595 x	34 44 48	82 17 54	0.15	L	N	G(2)	30	N	N	N	150	N	100	N	N	N
52-DC-596	34 44 25	82 16 37	0.3	L	N	G(2)	30	N	N	N	100	N	5	N	N	N
52-DC-597	34 43 26	82 17 7	0.3	L	N	G(2)	50	N	N	N	150	N	30	N	N	N
52-DC-598 x	34 43 26	82 17 7	0.2	L	N	G(2)	30	N	N	N	200	N	20	N	N	10
52-DC-599	34 43 26	82 17 7	0.2	0.05	N	G(2)	30	N	N	N	500	N	10	N	N	10
52-DC-600 x	34 43 26	82 17 7	0.3	L	N	G(2)	30	N	N	N	100	N	3	N	N	10
52-DC-601	34 43 2	82 16 53	0.5	L	N	G(2)	20	N	N	N	50	N	10	N	N	N
52-DC-602	34 42 58	82 16 32	0.3	0.05	0.1	G(2)	30	N	N	N	50	N	100	N	N	N
52-DC-603 x	34 42 58	82 16 32	0.15	L	L	G(2)	20	N	N	N	30	N	20	N	N	N
52-DC-604	34 42 12	82 17 52	0.5	N	N	G(2)	50	N	N	N	20	N	30	N	N	N
52-DC-605	34 40 9	82 17 39	0.5	N	N	G(2)	100	N	N	N	N	N	N	N	N	N
52-DC-606	34 40 55	82 17 33	0.5	N	0.1	G(2)	30	N	N	N	700	200	200	N	N	N
52-DC-607	34 40 52	82 16 32	0.3	N	0.1	G(2)	50	N	N	N	L	N	2	N	N	N
52-DC-608	34 38 57	82 16 57	0.5	L	L	G(2)	50	N	N	N	N	N	N	N	N	N
52-DC-609	34 37 14	82 17 8	0.5	N	L	G(2)	50	N	N	N	N	N	L	N	N	N

Table 1 (continued)

Sample No.	Cr	Cu	La	Mo	Nb	Ni	Pb	Sb	Sc	Sn	Sr	Th	V	W	Y	Zn	Zr
52-DC-521	200	20	2000	N	200	N	500	N	50	L	N	200	200	N	300	N	G(2000)
52-DC-522	N	N	N	N	N	N	N	N	N	N	N	N	L	N	N	N	G(2000)
52-DC-524	150	N	100	N	500	L	N	N	70	300	N	N	300	N	200	N	G(2000)
52-DC-525	100	N	1000	N	200	15	L	N	100	L	N	200	150	N	500	N	G(2000)
52-DC-529	150	N	G(2000)	N	200	10	20	N	100	20	N	1000	200	N	500	N	G(2000)
52-DC-533	150	N	G(2000)	N	200	10	20	N	100	20	N	700	200	N	700	N	G(2000)
52-DC-535	150	N	G(2000)	N	200	10	20	N	100	L	N	300	300	N	500	N	G(2000)
52-DC-540	150	N	300	N	100	10	N	N	70	L	L	N	200	N	500	N	G(2000)
52-DC-543	100	L	G(2000)	N	200	N	50	N	L	L	N	500	70	N	300	N	G(2000)
52-DC-544	100	N	700	N	200	L	N	N	L	50	N	L	150	N	100	N	G(2000)
52-DC-548	200	N	1000	N	1000	N	70	N	70	70	N	L	500	N	150	N	G(2000)
52-DC-553	100	N	2000	N	300	15	20	N	50	50	N	500	300	N	200	N	G(2000)
52-DC-555	100	N	1000	N	200	10	N	N	70	100	N	L	300	N	200	N	G(2000)
52-DC-558	150	10	500	N	1000	10	70	N	L	150	N	L	300	N	70	N	G(2000)
52-DC-561	100	200	500	N	200	10	300	N	50	50	N	L	100	N	200	N	G(2000)
52-DC-563	100	N	G(2000)	N	200	30	20	N	100	70	L	700	150	N	500	N	G(2000)
52-DC-564	200	N	1500	N	2000	N	30	N	50	70	N	300	500	N	150	N	G(2000)
52-DC-565	50	N	700	N	1500	N	L	N	50	100	N	300	150	N	150	N	G(2000)
52-DC-568	50	L	700	N	2000	N	20	N	L	100	200	L	500	N	100	N	G(2000)
52-DC-569	70	N	500	N	1000	N	N	N	L	150	N	N	500	N	70	N	G(2000)
52-DC-570	50	N	700	N	1000	N	N	N	L	150	N	N	300	N	70	N	G(2000)
52-DC-571	50	N	G(2000)	N	300	N	L	N	50	100	N	500	300	N	150	N	G(2000)
52-DC-572	N	N	G(2000)	N	200	15	N	N	50	50	L	1000	150	N	500	N	G(2000)
52-DC-574	150	N	500	N	500	N	N	N	70	70	N	N	500	N	300	N	G(2000)
52-DC-575	200	L	2000	N	300	L	30	N	70	300	500	N	500	100	700	2000	G(2000)
52-DC-576	50	1000	L	N	700	100	N	N	100	2000	N	N	200	N	500	N	G(2000)
52-DC-578	50	L	150	N	100	10	L	N	150	100	L	N	200	N	300	N	G(2000)
52-DC-579	L	N	200	N	70	15	N	N	70	20	200	N	70	N	300	N	G(2000)
52-DC-580	70	N	N	N	100	20	N	N	150	50	200	N	100	N	1000	N	G(2000)
52-DC-582	20	N	500	N	L	20	L	N	50	L	200	N	70	N	200	N	G(2000)
52-DC-584	200	L	2000	N	200	15	100	N	50	20	N	700	300	N	200	N	G(2000)
52-DC-585	200	L	2000	N	300	10	100	N	50	200	N	500	300	N	300	N	G(2000)
52-DC-586	200	N	G(2000)	N	200	10	50	N	70	30	N	700	300	N	500	N	G(2000)
52-DC-587	200	N	1000	N	70	L	L	N	20	L	N	200	200	N	200	N	G(2000)
52-DC-588	200	L	G(2000)	N	200	10	150	N	70	N	N	700	300	N	300	N	G(2000)
52-DC-589	300	15	G(2000)	N	150	10	30	N	70	150	N	300	200	N	500	N	G(2000)
52-DC-590	300	N	2000	N	200	50	30	N	70	70	N	300	200	N	300	N	G(2000)
52-DC-591	150	N	200	N	500	20	100	N	100	300	N	N	300	N	150	N	G(2000)
52-DC-592	200	N	700	N	500	L	20	N	50	150	N	N	300	N	150	N	G(2000)
52-DC-593	200	N	2000	N	700	N	20	N	50	15000	N	L	300	N	150	N	G(2000)
52-DC-594	100	N	2000	N	500	10	30	N	70	700	L	200	300	N	200	N	G(2000)
52-DC-595	150	N	2000	N	300	10	20	N	70	200	N	200	200	N	200	N	G(2000)
52-DC-596	150	N	2000	N	300	10	30	N	100	15000	N	300	500	N	300	N	G(2000)
52-DC-597	200	N	1000	N	300	N	L	N	70	1000	N	N	500	N	150	N	G(2000)
52-DC-598	200	N	2000	N	200	L	20	N	70	700	N	300	300	N	200	N	G(2000)
52-DC-599	200	N	1000	N	200	L	L	N	50	100	N	L	200	N	150	N	G(2000)
52-DC-600	150	N	500	N	300	N	N	N	L	300	N	N	200	N	100	N	G(2000)
52-DC-601	150	N	2000	N	500	N	300	N	70	700	N	300	500	N	200	N	G(2000)
52-DC-602	200	L	G(2000)	N	300	15	500	N	200	700	N	1500	500	N	500	N	G(2000)
52-DC-603	20	N	1000	N	150	15	N	N	150	500	L	700	150	N	500	N	G(2000)
52-DC-604	200	N	700	N	200	L	L	N	70	300	N	N	300	N	200	N	G(2000)
52-DC-605	20	N	500	N	300	50	20	N	50	100	N	N	300	N	100	N	G(2000)
52-DC-606	300	N	200	N	500	15	20	N	70	150	N	N	500	N	200	N	G(2000)
52-DC-607	L	N	300	N	300	15	N	N	100	70	N	L	200	N	150	N	G(2000)
52-DC-608	50	N	G(2000)	N	500	N	20	N	50	150	N	200	200	N	150	N	G(2000)
52-DC-609	30	N	1000	N	500	L	30	N	70	300	N	1000	300	N	150	N	G(2000)

Table 1 (continued)

Sample No.	Latitude deg min sec	Longitude deg min sec	Fe(%)	Mg(%)	Ca(%)	Ti(%)	Mn	Ag	As	Au	B	Ba	Be	Bi	Cd	Co
52-DC-610	34 36 13	82 16 25	0.5	0.05	0.15	G(2)	50	N	N	N	N	N	N	N	N	N
52-DC-611	34 35 49	82 14 55	2	0.05	0.1	G(2)	1500	N	N	N	N	N	N	N	N	N
52-DC-612	34 36 17	82 15 13	0.2	L	0.15	G(2)	50	N	N	N	N	N	N	N	N	N
52-DC-613	34 37 12	82 14 45	2	L	0.15	G(2)	1500	N	N	N	N	N	N	N	N	N
52-DC-614	34 37 58	82 14 16	1	L	0.15	G(2)	700	N	N	N	N	N	N	N	N	N
52-DC-618	34 42 20	82 14 38	0.7	N		G(2)	70	N	N	N	N	N	N	N	N	N
52-DC-619	34 40 24	82 13 57	0.7	L		G(2)	100	N	N	N	N	N	N	N	N	N
52-DC-620	34 40 10	82 14 23	1	0.05		G(2)	300	N	N	N	N	N	N	N	N	N
52-DC-622	34 38 14	82 13 28	1	0.05		G(2)	300	N	N	N	N	N	N	N	N	N
52-DC-623	34 36 42	82 13 34	1	L		G(2)	150	N	N	N	N	N	N	N	N	N
52-DC-624	34 33 50	82 12 26	0.7	0.1		G(2)	150	N	N	N	N	N	N	N	N	N
52-DC-626	34 34 10	82 12 17	0.5	0.15	L	G(2)	70	N	N	N	N	N	N	N	N	N
52-DC-627	34 33 46	82 11 16	0.5	L		G(2)	700	N	N	N	N	N	N	N	N	N
52-DC-630	34 32 25	82 10 35	1	0.07	0.3	G(2)	1000	N	N	N	N	N	N	N	N	N
52-DC-632	34 31 12	82 9 27	0.5	0.7	0.3	G(2)	150	N	N	N	N	N	N	N	N	N
52-DC-633	34 30 57	82 10 11	0.5	L		G(2)	500	N	N	N	N	N	N	N	N	N
52-DC-634 x	34 30 57	82 10 11	10	0.05		G(2)	7000	N	N	N	N	N	N	N	N	N
52-DC-635	34 29 38	82 9 16	0.2	L	0.2	G(2)	70	N	N	N	N	N	N	N	N	N
52-DC-636	34 28 27	82 8 38	0.3	0.1	1	G(2)	200	N	N	N	N	N	N	N	N	N
52-DC-638	34 26 15	82 6 22	0.3	L	2	G(2)	150	N	N	N	N	N	N	N	N	N
52-DC-640	34 27 6	82 1 59	0.2	L	0.5	G(2)	70	N	N	N	N	N	N	N	N	N
52-DC-642	34 29 45	82 5 16	L	L		G(2)	L	N	N	N	N	N	N	N	N	N
52-DC-643	34 29 51	82 7 31	0.15	L	0.3	G(2)	70	N	N	N	N	N	N	N	N	N
52-DC-644	34 31 45	82 7 24	3	0.2	0.3	G(2)	1500	N	N	N	N	N	N	N	N	N
52-DC-649	34 32 27	82 8 49	2	0.2	0.2	G(2)	1500	N	N	N	N	N	N	N	N	N
52-DC-650	34 33 3	82 8 29	1	0.3	0.2	G(2)	500	N	N	N	N	N	N	N	N	N
52-DC-651	34 33 16	82 8 50	7	0.07	L	G(2)	10000	N	N	N	N	N	N	N	N	N
52-DC-654 x	34 33 16	82 8 50	0.7	0.07	0.5	G(2)	500	N	N	N	N	N	N	N	N	N
52-DC-655	34 33 25	82 8 35	5	0.05	0.1	G(2)	5000	N	N	N	N	N	N	N	N	N
52-DC-656	34 33 58	82 7 59	1.5	0.1	0.1	G(2)	1500	N	N	N	N	N	N	N	N	N
52-DC-657	34 35 7	82 7 55	1.5	0.07	0.1	G(2)	100	N	N	N	N	N	N	N	N	N
52-DC-658	34 35 36	82 10 4	1	0.3	0.2	G(2)	100	N	N	N	N	N	N	N	N	N
52-DC-659	34 36 20	82 9 29	1.5	L	0.2	G(2)	1500	N	N	N	N	N	N	N	N	N
52-DC-660	34 36 52	82 10 9	5	0.3	0.3	G(2)	1500	N	N	N	N	N	N	N	N	N
52-DC-661	34 37 23	82 11 15	10	0.15	0.1	G(2)	5000	N	N	N	N	N	N	N	N	N
52-DC-662	34 38 5	82 10 24	0.5	L	N	G(2)	200	N	N	N	N	N	N	N	N	N
52-DC-663	34 38 3	82 10 58	0.5	L	L	G(2)	300	N	N	N	N	N	N	N	N	N
52-DC-664	34 38 47	82 11 34	0.2	L	N	G(2)	50	N	N	N	N	N	N	N	N	N
52-DC-665	34 39 38	82 11 54	0.3	L	N	G(2)	50	N	N	N	N	N	N	N	N	N
52-DC-667	34 40 53	82 12 13	0.3	L	N	G(2)	70	N	N	N	N	N	N	N	N	N
52-DC-669	34 29 23	82 12 9	0.15	L	0.5	G(2)	100	N	N	N	N	N	N	N	N	N
52-DC-674	34 26 51	82 13 54	0.3	L	0.2	G(2)	50	N	N	N	N	N	N	N	N	N
52-DC-676	34 28 44	82 13 41	0.3	L	N	G(2)	50	N	N	N	N	N	N	N	N	N
52-DC-677	34 29 56	82 14 1	0.2	L	0.3	G(2)	70	N	N	N	N	N	N	N	N	N
52-DC-684	34 20 43	82 19 13	0.15	L	0.2	G(2)	50	N	N	N	N	N	N	N	N	N
52-DC-692	34 21 41	82 25 7	0.15	L	N	G(2)	30	N	N	N	N	N	N	N	N	N
52-DC-693 x	34 21 41	82 25 7	0.2	L	L	G(2)	70	N	N	N	N	N	N	N	N	N
52-DC-698	34 19 25	82 29 18	1	L	L	G(2)	50	N	N	N	N	N	N	N	N	N

Table 1 (continued)

Sample No.	Cr	Cu	La	Mo	Nb	Ni	Pb	Sb	Sc	Sn	Sr	Th	V	W	Y	Zn	Zr
52-DC-610	50	N	G(2000)	N	700	N	70	N	50	100	N	1000	300	N	200	N	G(2000)
52-DC-611	70	150	G(2000)	N	200	L	150	N	70	100	N	700	150	N	500	N	G(2000)
52-DC-612	L	N	200	N	150	20	N	N	100	30	L	N	70	N	500	N	G(2000)
52-DC-613	50	L	G(2000)	N	200	L	30	N	100	100	N	1000	150	N	500	N	G(2000)
52-DC-614	20	20	G(2000)	N	100	L	30	N	150	100	N	1500	70	N	500	N	G(2000)
52-DC-618	70	N	G(2000)	N	300	L	L	N	200	200	N	1000	200	N	1000	N	G(2000)
52-DC-619	70	300	G(2000)	N	200	L	30	N	200	70	N	1000	200	N	1000	N	G(2000)
52-DC-620	70	30	G(2000)	N	300	L	20000	N	100	500	N	1500	150	N	300	N	G(2000)
52-DC-622	70	2000	G(2000)	N	300	L	1000	N	200	100	N	1000	150	N	1000	N	G(2000)
52-DC-623	50	100	G(2000)	N	300	L	5000	N	200	500	N	700	150	N	700	N	G(2000)
52-DC-624	150	N	2000	N	200	L	20	N	100	150	N	500	200	N	700	N	G(2000)
52-DC-626	100	N	G(2000)	N	300	L	50	N	50	100	N	1000	150	N	700	N	G(2000)
52-DC-627	150	L	G(2000)	N	300	N	50	N	50	100	N	1000	200	N	300	N	G(2000)
52-DC-630	70	15	G(2000)	N	200	N	30	N	N	150	N	1000	70	N	700	N	G(2000)
52-DC-632	50	L	2000	N	300	15	3000	N	50	100	N	500	200	N	500	N	G(2000)
52-DC-633	300	20	G(2000)	N	200	15	500	N	150	150	N	700	200	N	1000	N	G(2000)
52-DC-634	20	20	G(2000)	N	150	15	150	N	70	L	N	2000	70	N	1500	N	G(2000)
52-DC-635	200	L	100	N	100	70	30	N	200	150	N	N	150	N	700	N	G(2000)
52-DC-636	50	N	2000	N	150	10	20	N	70	200	N	200	150	N	300	N	G(2000)
52-DC-638	N	N	150	N	50	10	20	N	50	N	L	N	200	N	700	N	G(2000)
52-DC-640	20	N	100	N	150	20	20	N	100	20	200	N	200	N	500	N	G(2000)
52-DC-642	20	N	N	N	20	30	50	N	200	200	N	200	70	N	1000	N	G(2000)
52-DC-643	70	L	N	N	N	30	30	N	100	L	L	N	50	N	2000	N	G(2000)
52-DC-644	20	L	G(2000)	N	100	20	100	N	200	50	N	2000	70	N	500	N	G(2000)
52-DC-649	100	15	G(2000)	N	200	20	300	500	200	300	N	G(5000)	100	N	G(5000)	N	G(2000)
52-DC-650	200	150	G(2000)	N	200	L	2000	500	G(2000)	7000	N	G(5000)	100	N	G(5000)	N	G(2000)
52-DC-651	200	30	1500	N	200	50	50	N	L	30	N	500	100	N	500	N	G(2000)
52-DC-654	300	L	G(2000)	N	200	150	30	N	100	70	N	700	150	N	700	N	G(2000)
52-DC-655	200	10	2000	N	150	150	30	N	100	70	N	500	100	N	700	N	G(2000)
52-DC-656	200	N	G(2000)	N	200	10	30	N	100	100	N	500	200	N	500	N	G(2000)
52-DC-657	L	L	G(2000)	N	150	20	70	N	200	150	N	3000	50	N	G(5000)	N	G(2000)
52-DC-658	150	10	G(2000)	N	300	L	100	N	70	200	N	1000	150	N	700	N	G(2000)
52-DC-659	150	L	G(2000)	N	500	L	100	N	50	200	N	500	300	N	200	N	G(2000)
52-DC-660	200	N	G(2000)	N	200	10	30	N	50	200	N	700	200	N	500	N	G(2000)
52-DC-661	200	15	G(2000)	N	150	30	150	N	N	50	N	G(5000)	200	N	500	N	G(2000)
52-DC-662	200	N	G(2000)	N	200	50	70	N	100	10000	N	300	150	N	500	N	G(2000)
52-DC-663	300	15	G(2000)	N	200	50	200	N	70	100	N	700	100	N	700	N	G(2000)
52-DC-664	150	N	500	N	150	30	50	N	150	70	N	N	150	N	300	N	G(2000)
52-DC-665	50	N	G(2000)	N	200	30	50	N	G(2000)	100	N	700	150	N	700	N	G(2000)
52-DC-667	100	150	G(2000)	N	200	50	5000	700	200	200	N	500	150	N	500	N	G(2000)
52-DC-669	100	N	L	N	50	20	N	N	150	50	L	N	100	N	500	N	G(2000)
52-DC-674	50	N	100	N	500	L	N	N	100	100	N	N	200	N	200	N	G(2000)
52-DC-676	100	N	2000	N	700	N	N	N	150	70	N	N	500	N	150	N	G(2000)
52-DC-677	50	20	N	N	200	20	100	N	150	150	N	N	200	N	200	N	G(2000)
52-DC-684	L	N	N	N	70	20	N	N	150	30	200	N	100	N	500	N	G(2000)
52-DC-692	50	N	200	N	50	20	300	N	200	30	200	N	200	N	1000	N	G(2000)
52-DC-693	150	N	200	N	150	10	200	N	100	20	N	N	300	N	300	N	G(2000)
52-DC-698	200	15	L	N	100	30	N	N	150	100	L	N	300	N	300	N	G(2000)