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Spectrographic and Atomic-Absorption Analyses of Geochemical Samples from the Seward and Blying Sound Quadrangles, Alaska

By

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INTRODUCTION

A reconnaissance geochemical study was made in the Seward and Blying Sound (1:250,000-scale) quadrangles, Alaska (fig. 1), during the summers of 1975 and 1976 to aid in assessing the mineral resource potential of the quadrangles. This study included the collection, preparation, and analysis of 537 stream-sediment samples and 542 nonmagnetic heavy-mineral-concentrate samples. The analytical results for these samples are given in table 1 of this report.

DESCRIPTION OF SAMPLE MEDIA

At most sites, stream sediments and heavy-mineral concentrates were collected in the active channels of mountain streams and from the interface of streambeds with intermediate- to low-tide beaches. The sediment collected in most of these streams consists of sand ranging in size from fine to coarse grain, with a silt fraction in the glacier-fed drainages. The stream sediments are composed mainly of detritus that has been mechanically introduced into a stream from the bedrock within a particular drainage basin. The composition of the stream-sediment sample therefore approximates the composition of the weathering bedrock within a particular drainage basin. Both sample types can reflect the presence of mineralized rock upstream in the drainage basin. The heavy-mineral concentrates are especially useful for determining the presence and regional distribution of certain heavy metals and resistate minerals such as gold, sulfides, cassiterite, scheelite, muscovite, sphene, zircon, apatite, rutile, anatase, and tourmaline.

SAMPLE PREPARATION

The stream-sediment samples were air-dried and sieved using an 80-mesh (0.177-mm) sieve. The minus-80-mesh fraction was pulverized and saved for analysis.

The heavy-mineral concentrates were preliminarily prepared in the field by panning to remove the bulk of the light minerals. The panned samples were sieved using a 20-mesh (0.8-mm) screen in the laboratory. The plus-20-mesh fraction was discarded and the minus-20-mesh fraction was further separated with bromoform (specific gravity: 2.86) to remove any remaining light minerals. Magnetite and other strongly magnetic minerals were removed from the heavy-mineral fraction by use of a hand magnet. The remaining heavy-mineral grains were passed through a Frantz Isodynamic Separator[1/], and a nonmagnetic fraction was obtained at a setting of 0.6 ampere. This fraction, labeled C3, was split for analysis and mineralogical examination. The fraction saved for analysis was further prepared by pulverizing with a mortar and pestle.

1/ The use of the brand name in this report is for descriptive purposes only and does not constitute endorsement by the U.S. Geological Survey.

METHODS OF ANALYSES

The stream-sediment and nonmagnetic heavy-mineral-concentrate samples were analyzed for selected elements by a six-step, DC-arc semiquantitative emission-spectrographic method described by Grimes and Marranzino (1968) for the analysis of geologic materials. Results were reported as the approximate midpoints of geometric brackets whose boundaries are 1.2, 0.83, 0.56, 0.38, 0.26, 0.18, 0.12, etc. These midpoints are 1, 0.7, 0.5, 0.3, 0.2, 0.15, 0.1, etc.

Disallowing results obtained near the detection levels, the repeatability of the method, in general, has been shown to be within one adjoining reporting interval on each side of the mean 83 percent of the time, and within two adjoining reporting intervals on each side of the mean 96 percent of the time (Motooka and Grimes, 1976).

To eliminate the spectral interferences caused by high concentrations of iron in the nonmagnetic heavy-mineral-concentrate samples, 5 mg of prepared sample was used instead of the 10 mg used for stream-sediment samples, thus raising the lower limit of determination for the concentrate samples.

The stream-sediment samples were also analyzed for gold and zinc and selected stream-sediment samples for copper and lead by atomic absorption methods (Ward and others, 1969).

The spectrographic and chemical analyses incorporated in this report were determined by E. F. Cooley, G. W. Day, R. M. O'Leary, J. A. Criswell, M. Criswell, J. Dupree, and others.

EXPLANATION OF DATA

All analytical data were keypunched or entered on magnetic tape and stored in the U.S. Geological Survey Rock Analysis Storage System (RASS) (VanTrump and Miesch, 1977). A computer print-out program was used in compiling table 1. The data listed in table 1 include the analytical results for both geochemical types.

The columns have heading titles of sample, latitude, longitude, and the elements, with the lower limits of determination shown in parentheses. Columns in which the element heading is preceded by an S contain the emission-spectrographic data. The prefix AA in the column heading indicates that the results were determined by atomic absorption, and the suffix P indicates a partial sample digestion.

The results for all elements are reported in parts per million (ppm) except for titanium, which is given in percent.

Definitions of the qualifier codes used in table 1 are as follows: --, no data available, or sample not analyzed for this element; N, element not detected at the level of detection; <, element detected, but below the limit of determination or below values shown; and >, element detected but greater than the value shown.

The sample site numbers appearing in figure 1 have been simplified from sample numbers in table 1. The prefixes SRO and BSO, the suffixes S and C3, and leading zeros were eliminated. Thus, sample site 1, shown on figure 1, indicates the location where samples SR0001S and SR0001C3 were collected.

REFERENCES CITED

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

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

VanTrump, George, Jr., and Miesch, A. T., 1977, The U.S. Geological Survey RASS-STATPAC system for management and statistical reduction of geochemical data: Computers and Geosciences, v. 3, p. 475-488.

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. Geological Survey Bulletin 1289, 45 p.

Table 1.--Spectrographic and atomic-absorption analyses for geochemical samples from the Seward and Blying Sound quadrangles, Alaska.

Table 1.--Spectrographic and atomic absorption analyses for geochemical samples from the Seward and Blying Sound quadrangles, Alaska.

Stream sediments

sample	LATITUDE	LONGITUD	(.002) S-TI%	(.5) S-AG	(200) S-AS	(1) S-BE	(10) S-BI	(20) S-CD	(5) S-CO	(5) S-CU	(5) S-MO	(5) S-NI
SR0001S	60 52 36	149 1 59	.50	N	N	3.0	--	N	30	100	N	100
SR0002S	60 53 21	149 2 35	.30	N	N	1.0	--	N	30	50	N	70
SR0005S	60 58 10	149 8 2	.30	N	N	2.0	--	N	15	30	N	70
SR0020S	60 45 41	149 27 47	.20	N	N	2.0	--	N	15	30	N	30
SR0021S	60 45 25	149 27 51	.20	N	N	2.0	--	N	15	30	N	30
SR0022S	60 45 2	149 28 5	.30	N	N	1.0	--	N	20	70	N	50
SR0023S	60 59 26	149 21 29	.30	N	N	1.0	--	N	20	50	N	50
SR0024S	60 58 54	149 16 0	.30	N	N	1.0	--	N	20	50	N	70
SR0028S	60 49 59	149 31 59	.30	N	N	1.0	--	N	30	70	N	70
SR0029S	60 50 58	149 31 49	.30	N	N	2.0	--	N	30	70	N	70
SR0032S	60 54 55	149 36 5	.30	N	N	2.0	--	N	30	50	N	70
SR0039S	60 55 14	149 28 45	.30	N	N	1.0	--	N	20	30	N	70
SR0040S	60 53 40	149 29 40	.30	N	N	1.0	--	N	30	30	N	70
SR0041S	60 53 8	149 29 31	.20	N	N	2.0	--	N	20	50	N	50
SR0045S	60 48 34	149 34 45	.30	7.0	500	1.0	--	N	20	30	N	50
SR0046S	60 59 31	149 15 23	.30	N	200	1.0	--	N	20	50	N	70
SR0051S	60 46 40	149 12 51	.30	N	N	1.0	--	N	15	30	N	50
SR0053S	60 22 59	149 42 59	.50	N	N	2.0	--	N	20	30	N	70
SR0059S	60 23 45	149 40 54	.30	N	N	1.0	--	N	20	50	N	50
SR0061S	60 25 21	149 41 32	.30	N	N	1.0	--	N	20	50	N	70
SR0063S	60 29 12	149 46 51	.30	N	N	2.0	--	N	15	50	N	70
SR0064S	60 29 17	149 58 5	.30	N	N	1.0	--	N	15	30	N	50
SR0065S	60 28 37	149 52 35	.50	N	N	1.0	--	N	30	30	N	70
SR0066S	60 29 39	149 50 20	--	N	N	1.0	--	N	15	30	N	30
SR0067S	60 29 47	149 46 17	--	N	N	2.0	--	N	15	50	N	50
SR0042S	60 53 26	149 29 25	.50	N	N	3.0	N	N	20	30	N	50
SR0043S	60 52 5	149 32 21	.30	10.0	N	3.0	N	N	20	30	N	50
SR0045S	60 48 34	149 34 45	.30	N	N	3.0	N	N	20	50	N	70
SR0047S	60 45 5	149 14 42	.30	N	N	3.0	N	N	15	30	N	50
SR0048S	60 45 32	149 14 9	.30	N	N	3.0	N	N	30	50	N	70
SR0049S	60 45 46	149 13 39	.30	N	N	3.0	N	N	20	30	N	70
SR0050S	60 46 48	149 12 52	.50	N	N	3.0	N	N	15	30	N	30
SR0062S	60 26 20	149 42 30	.30	N	N	3.0	N	N	20	30	N	70
SR0063S	60 29 12	149 46 51	.30	N	N	3.0	N	N	20	30	N	70
SR0069S	60 4 54	149 26 30	.30	N	N	3.0	N	N	15	30	N	30
SR0072S	60 10 3	149 24 10	.30	N	N	3.0	N	N	15	30	N	30
SR0073S	60 13 19	149 21 50	.30	N	N	3.0	N	N	30	50	N	50
SR0074S	60 20 26	149 22 18	.30	N	N	3.0	N	N	20	30	N	50
SR0075S	60 19 23	149 21 32	.20	N	N	2.0	N	N	20	30	N	70
SR0076S	60 21 25	149 20 48	.20	N	N	2.0	N	N	15	30	N	30
SR0077S	60 22 40	149 20 52	.20	N	N	2.0	N	N	20	30	N	50
SR0078S	60 24 20	149 21 36	.20	N	N	2.0	N	N	20	30	N	50
SR0079S	60 25 53	149 22 3	.30	N	N	2.0	N	N	15	30	N	30
SR0080S	60 35 0	149 41 17	.20	N	N	2.0	N	N	15	30	N	50
SR0081S	60 34 15	149 40 50	.30	N	N	2.0	N	N	20	30	N	50

Stream sediments

sample	(10) S-PB	(100) S-SB	(10) S-SN	(50) S-W	(200) S-ZN	(.05) AA-AU-P	(5) AA-CU-P	(5) AA-PB-P	(5) AA-ZN-P
SR0001S	30	N	N	N	<200	N	--	--	160
SR0002S	30	N	N	N	<200	.20	--	--	150
SR0005S	20	N	10	N	<200	N	--	--	110
SR0020S	20	N	N	N	N	N	--	--	110
SR0021S	30	N	N	N	N	N	--	--	100
SR0022S	30	N	N	N	N	N	--	--	130
SR0023S	20	N	N	N	<200	N	--	--	120
SR0024S	30	N	N	N	N	N	--	--	120
SR0028S	50	N	N	N	<200	N	--	--	180
SR0029S	30	N	N	N	<200	.50	--	--	110
SR0032S	30	N	N	N	<200	.15	--	--	120
SR0039S	20	N	N	N	N	N	--	--	100
SR0040S	20	N	N	N	N	N	--	--	100
SR0041S	20	N	N	N	N	N	--	--	130
SR0045S	100	N	10	N	<200	3.50	--	--	170
SR0046S	30	N	10	N	N	N	--	--	130
SR0051S	30	N	N	N	N	.10	--	--	110
SR0053S	30	N	N	N	<200	N	--	--	110
SR0059S	30	N	N	N	N	N	--	--	120
SR0061S	20	N	N	N	<200	N	--	--	160
SR0063S	30	N	N	N	<200	N	--	--	100
SR0064S	30	N	N	N	N	.30	--	--	75
SR0065S	30	N	N	N	N	<.05	--	--	100
SR0066S	10	N	N	N	N	N	--	--	75
SR0067S	30	N	N	N	N	N	--	--	120
SR0042S	20	N	N	N	<200	<.05	--	--	95
SR0043S	30	N	N	N	200	1.50	--	--	110
SR0045S	15	N	N	N	<200	N	--	--	100
SR0047S	100	N	100	N	<200	N	--	--	95
SR0048S	30	N	N	N	<200	.20	--	--	130
SR0049S	30	N	N	N	200	.25	--	--	110
SR0050S	20	N	N	N	<200	N	--	--	90
SR0062S	10	N	N	N	N	N	--	--	95
SR0063S	20	N	N	N	<200	N	--	--	90
SR0069S	10	N	N	N	<200	N	--	--	85
SR0072S	15	N	N	N	<200	N	--	--	90
SR0073S	30	N	N	N	200	N	--	--	120
SR0074S	20	N	N	N	<200	.65	--	--	110
SR0075S	30	N	N	N	200	2.50	--	--	130
SR0076S	10	N	N	N	N	N	--	--	70
SR0077S	10	N	N	N	N	N	--	--	120
SR0078S	10	N	N	N	N	N	--	--	100
SR0079S	10	N	N	N	N	N	--	--	80
SR0080S	15	N	N	N	N	N	--	--	100
SR0081S	15	N	N	N	N	N	--	--	100

sample	LATITUDE	LONGITUD	S-TI%	S-AG	S-AS	S-BE	S-BI	S-CD	S-CO	S-CU	S-MO	S-NI
SR0083S	60 33 17	149 38 59	.15	N	N	2.0	N	N	10	20	N	20
SR0084S	60 33 11	149 37 36	.20	N	N	2.0	N	N	7	30	N	70
SR0085S	60 30 11	149 41 15	.20	N	N	2.0	N	N	20	30	N	30
SR0086S	60 30 51	149 28 1	.30	N	N	1.0	N	N	15	20	N	30
SR0110S	60 29 17	149 41 58	.30	N	N	2.0	N	N	15	30	N	50
SR0111S	60 29 48	149 40 38	.30	N	N	2.0	N	N	15	30	N	50
SR0116S	60 10 9	149 28 44	.30	N	N	2.0	N	N	10	30	N	30
SR0117S	60 10 36	149 31 39	.30	N	N	2.0	N	N	20	30	N	50
SR0118S	60 6 10	149 27 20	.30	N	N	2.0	N	N	10	30	N	30
SR0119S	60 6 29	149 6 55	.20	N	N	3.0	N	N	5	30	N	30
SR0120S	60 3 11	149 7 35	.30	N	N	3.0	N	N	10	30	N	30
SR0121S	60 3 15	149 7 19	.30	N	N	2.0	N	N	10	30	N	30
SR0123S	60 4 0	149 10 18	.30	N	N	2.0	N	N	15	50	N	30
SR0125S	60 2 11	149 10 14	.20	N	N	1.0	N	N	15	30	N	30
SR0127S	60 0 38	149 11 57	.70	N	N	1.0	N	N	50	30	N	70
BS0135S	59 57 43	149 16 58	.50	N	N	1.0	N	N	30	50	N	30
SR0136S	60 0 0	149 17 25	.70	N	N	1.0	N	N	50	50	N	50
SR0137S	60 2 17	149 16 59	.30	N	N	1.0	N	N	20	30	N	30
SR0138S	60 1 31	149 17 0	.50	N	N	1.0	N	N	30	50	N	70
SR0139S	60 0 52	149 18 29	.30	N	N	3.0	N	N	20	30	N	30
SR0140S	60 2 40	149 18 34	.30	N	N	3.0	N	N	30	50	N	50
SR0141S	60 4 14	149 20 11	.30	N	N	2.0	N	N	15	30	N	30
SR0142S	60 5 48	149 16 23	.30	N	N	3.0	N	N	20	30	N	50
SR0143S	60 5 41	149 16 27	.30	N	N	3.0	N	N	20	30	N	50
SR0144S	60 6 7	149 17 44	.30	N	N	3.0	N	N	7	30	N	20
SR0145S	60 5 48	149 20 40	.30	N	N	3.0	N	N	20	30	N	30
SR0146S	60 7 26	149 19 33	.20	N	N	2.0	N	N	10	20	N	30
SR0148S	60 37 5	149 13 41	.50	N	N	1.0	N	N	30	50	N	30
SR0149S	60 36 56	149 14 17	.30	N	N	2.0	N	N	15	30	N	20
SR0150S	60 36 57	149 14 56	.50	N	N	2.0	N	N	30	50	N	50
SR0151S	60 37 14	149 14 4	.30	N	N	2.0	N	N	15	30	N	30
SR0152S	60 36 18	149 14 47	.30	N	N	2.0	N	N	20	30	N	30
SR0153S	60 35 34	149 15 43	.30	N	N	2.0	N	N	20	30	N	30
SR0154S	60 43 57	149 21 20	.30	N	N	2.0	N	N	30	50	N	50
SR0155S	60 43 32	149 21 29	.30	N	N	3.0	N	N	30	70	N	70
SR0003S	60 54 41	149 4 54	.30	N	N	2.0	N	N	15	10	N	50
SR0004S	60 55 9	149 6 51	.50	N	N	3.0	N	N	30	30	N	70
SR0006S	60 58 54	149 25 27	.30	N	N	2.0	N	N	20	20	N	70
SR0008S	60 59 8	149 34 32	.70	N	N	2.0	N	N	30	20	N	70
SR0010S	60 46 15	148 50 17	.30	N	N	2.0	N	N	20	20	N	50
SR0011S	60 55 45	149 39 29	.30	2.0	N	2.0	N	N	20	30	N	30
SR0012S	60 55 50	149 33 57	.30	N	N	2.0	N	N	15	20	N	50
SR0013S	60 55 44	149 32 15	.30	N	N	3.0	N	N	20	30	N	50
SR0014S	60 55 26	149 30 50	.30	N	N	2.0	N	N	20	30	N	50
SR0015S	60 55 15	149 29 44	.30	N	N	2.0	N	N	30	50	20	50

sample	S-PB	S-SB	S-SN	S-W	S-ZN	AA-AU-P	AA-CU-P	AA-PB-P	AA-ZN-P
SR0083S	10	N	N	N	N	N	--	--	75
SR0084S	20	N	N	N	N	N	--	--	85
SR0085S	20	N	N	N	N	N	--	--	90
SR0086S	<10	N	N	N	N	N	--	--	100
SR0110S	20	N	N	N	200	N	--	--	100
SR0111S	20	N	N	N	200	N	--	--	100
SR0116S	20	N	N	N	<200	N	--	--	90
SR0117S	20	N	N	N	<200	N	--	--	110
SR0118S	10	N	N	N	<200	<.05	--	--	95
SR0119S	10	N	N	N	<200	N	--	--	75
SR0120S	10	N	N	N	<200	N	--	--	80
SR0121S	10	N	N	N	N	N	--	--	75
SR0123S	10	N	N	N	N	N	--	--	90
SR0125S	10	N	N	N	N	N	--	--	85
SR0127S	<10	N	N	N	<200	N	--	--	50
BS0135S	10	N	N	N	200	N	--	--	100
SR0136S	10	N	N	N	200	N	--	--	150
SR0137S	10	N	N	N	<200	N	--	--	75
SR0138S	<10	N	N	N	200	N	--	--	50
SR0139S	30	N	N	N	200	.55	--	--	110
SR0140S	30	N	N	N	300	N	--	--	140
SR0141S	15	N	N	N	<200	N	--	--	90
SR0142S	<10	N	N	N	<200	N	--	--	70
SR0143S	20	N	N	N	200	N	--	--	100
SR0144S	<10	N	N	N	N	N	--	--	55
SR0145S	15	N	N	N	200	N	--	--	140
SR0146S	N	N	N	N	<200	N	--	--	70
SR0148S	20	N	N	N	N	N	--	--	100
SR0149S	20	N	N	N	<200	N	--	--	65
SR0150S	20	N	N	N	<200	N	--	--	100
SR0151S	20	N	N	N	<200	N	--	--	80
SR0152S	20	N	N	N	<200	N	--	--	65
SR0153S	15	N	N	N	<200	N	--	--	60
SR0154S	30	N	N	N	N	N	--	--	95
SR0155S	30	N	N	N	200	.05	--	--	180
SR0003S	10	N	N	N	N	<.05	--	--	80
SR0004S	30	N	N	N	300	N	--	--	200
SR0006S	20	N	N	N	N	N	--	--	90
SR0008S	20	N	N	N	N	N	--	--	80
SR0010S	N	N	N	N	N	N	--	--	80
SR0011S	10	N	N	N	N	N	--	--	80
SR0012S	15	N	N	N	N	N	--	--	70
SR0013S	30	N	N	N	N	<.05	--	--	110
SR0014S	20	N	N	N	N	N	--	--	95
SR0015S	30	N	N	N	N	N	--	--	70

sample	LATITUDE	LONGITUD	S-TI%	S-AG	S-AS	S-BE	S-BI	S-CD	S-CO	S-CU	S-MO	S-NI
SR0016S	60 55 0	149 28 17	.30	N	N	3.0	N	N	30	50	N	70
SR0018S	60 52 15	149 26 8	.30	N	N	2.0	N	N	30	30	N	50
SR0019S	60 49 4	149 25 49	.30	N	N	2.0	N	N	20	30	N	50
SR0025S	60 47 0	149 32 39	.30	N	N	3.0	N	N	30	30	N	100
SR0026S	60 47 0	149 32 51	.30	N	N	3.0	N	N	30	70	N	100
SR0031S	60 53 11	149 36 0	.30	N	N	2.0	N	N	20	30	N	50
SR0033S	60 46 24	149 40 59	.30	N	N	2.0	N	N	20	30	N	70
SR0034S	60 47 2	149 40 31	.30	N	N	3.0	N	N	20	30	N	70
SR0035S	60 48 16	149 39 24	.30	N	N	2.0	N	N	20	30	N	50
SR0036S	60 50 26	149 38 3	.30	N	N	2.0	N	N	20	30	N	50
SR0157S	60 50 34	149 25 0	.30	.5	N	2.0	N	N	30	50	N	50
SR0158S	60 52 27	149 24 50	.50	N	N	2.0	N	N	30	70	N	70
SR0159S	60 51 18	149 25 10	.50	N	N	2.0	N	N	30	70	N	70
SR0160S	60 39 6	149 40 45	.30	N	N	1.5	N	N	20	70	N	50
SR0161S	60 42 8	149 44 44	.50	N	N	1.5	N	N	30	70	N	70
SR0162S	60 41 3	149 45 39	.30	N	N	1.5	N	N	30	50	N	70
SR0163S	60 41 12	149 45 51	.30	N	N	1.5	N	N	30	50	N	50
SR0164S	60 41 51	149 45 50	.50	N	N	1.5	N	N	30	30	N	70
SR0165S	60 41 42	149 38 31	.70	N	N	2.0	N	N	30	70	N	100
SR0166S	60 43 27	149 41 25	.50	N	N	2.0	N	N	30	50	N	70
SR0167S	60 43 27	149 43 35	.50	N	N	2.0	N	N	30	50	N	50
SR0169S	60 46 36	149 41 4	.50	N	N	1.5	N	N	20	30	N	30
SR0170S	60 48 38	149 36 55	.50	N	N	1.5	N	N	20	150	N	70
SR0171S	60 47 4	149 22 30	.50	N	N	2.0	N	N	20	70	N	70
SR0172S	60 43 14	149 30 20	.50	N	N	2.0	N	N	20	50	N	50
SR0173S	60 40 30	149 26 54	.50	N	N	2.0	N	N	20	70	N	70
SR0174S	60 50 9	149 40 49	.50	N	N	2.0	N	N	20	70	N	70
SR0175S	60 52 1	149 41 15	.50	N	N	2.0	N	N	20	50	N	50
SR0176S	60 53 29	149 39 45	.30	N	N	2.0	N	N	20	50	N	30
SR0177S	60 57 47	149 45 39	.30	N	N	2.0	N	N	20	50	N	50
SR0178S	60 54 56	149 38 36	.50	N	N	2.0	N	N	20	50	N	50
SR0179S	60 32 8	149 19 0	.50	N	N	2.0	N	N	30	70	N	70
SR0180S	60 31 59	149 21 0	.50	N	N	2.0	N	N	30	70	N	70
SR0181S	60 32 26	149 19 27	.50	N	N	2.0	N	N	30	70	N	70
SR0182S	60 31 59	149 19 9	.50	N	N	2.0	N	N	30	50	N	70
SR0183S	60 31 17	149 13 59	.50	N	N	2.0	N	N	30	50	N	50
SR0184S	60 33 5	149 14 13	.30	N	N	2.0	N	N	30	50	N	50
SR0185S	60 31 5	149 4 30	.70	N	N	2.0	N	N	50	70	N	70
SR0186S	60 31 55	149 4 24	.30	N	N	2.0	N	N	30	50	N	50
SR0187S	60 32 3	149 6 38	.50	N	N	2.0	N	N	30	70	N	70
SR0188S	60 34 35	149 6 29	.50	N	N	2.0	N	N	30	70	N	70
SR0189S	60 10 3	149 31 35	.30	N	N	2.0	N	N	30	50	N	50
SR0190S	60 10 14	149 35 44	.50	N	N	2.0	N	N	30	50	N	50
SR0191S	60 10 9	149 36 0	.50	N	N	2.0	N	N	30	70	N	70
SR0192S	60 6 51	149 34 50	.50	N	N	2.0	N	N	30	70	N	50

sample	S-PB	S-SB	S-SN	S-W	S-ZN	AA-AU-P	AA-CU-P	AA-PB-P	AA-ZN-P
SR0016S	30	N	N	N	N	.05	--	--	110
SR0018S	20	N	N	N	N	<.05	--	--	75
SR0019S	20	N	N	N	N	<.05	--	--	90
SR0025S	30	N	N	N	200	.30	--	--	110
SR0026S	30	N	N	N	200	.10	--	--	180
SR0031S	15	N	N	N	N	N	--	--	75
SR0033S	15	N	N	N	N	.05	--	--	85
SR0034S	15	N	N	N	N	.05	--	--	90
SR0035S	10	N	N	N	N	.05	--	--	80
SR0036S	15	N	N	N	200	N	--	--	85
SR0157S	15	N	N	N	N	.25	--	--	90
SR0158S	50	N	N	N	<200	N	45	20	110
SR0159S	50	N	N	N	<200	N	50	20	120
SR0160S	30	N	N	N	<200	N	25	15	60
SR0161S	30	N	N	N	<200	N	30	25	80
SR0162S	30	N	N	N	<200	--	25	20	90
SR0163S	20	N	N	N	<200	N	20	20	90
SR0164S	20	N	N	N	<200	N	20	15	85
SR0165S	50	N	N	N	<200	N	35	30	90
SR0166S	20	N	N	N	<200	<.05	25	20	90
SR0167S	20	N	N	N	<200	N	20	20	80
SR0169S	20	N	N	N	<200	N	25	20	100
SR0170S	30	N	N	N	<200	N	45	30	110
SR0171S	30	N	N	N	200	N	50	25	100
SR0172S	20	N	N	N	200	N	45	25	110
SR0173S	30	N	N	N	200	--	45	25	110
SR0174S	20	N	N	N	200	N	40	25	110
SR0175S	20	N	N	N	200	N	35	20	85
SR0176S	20	N	N	N	200	N	30	20	90
SR0177S	20	N	N	N	<200	N	30	20	70
SR0178S	20	N	N	N	<200	N	30	20	80
SR0179S	50	N	N	N	<200	N	40	20	100
SR0180S	50	N	N	N	<200	N	40	20	100
SR0181S	50	N	N	N	<200	N	50	20	100
SR0182S	30	N	N	N	<200	N	30	15	65
SR0183S	30	N	N	N	<200	N	20	10	50
SR0184S	30	N	N	N	<200	N	40	15	80
SR0185S	50	N	N	N	200	.15	40	20	90
SR0186S	30	N	N	N	<200	N	30	20	80
SR0187S	50	N	N	N	<200	<.05	30	25	75
SR0188S	50	N	N	N	<200	.55	40	25	95
SR0189S	30	N	N	N	<200	N	30	15	80
SR0190S	50	N	N	N	<200	N	30	15	75
SR0191S	50	N	N	N	<200	N	40	20	85
SR0192S	50	N	N	N	<200	N	30	15	75

sample	LATITUDE	LONGITUD	S-TI%	S-AG	S-AS	S-BE	S-BI	S-CD	S-CO	S-CU	S-MO	S-NI
SR0193S	60 6 47	149 35 2	.50	N	N	2.0	N	N	30	50	N	50
SR0194S	60 10 50	149 37 59	.50	N	N	2.0	N	N	30	70	N	70
SR0195S	60 13 59	149 39 15	.50	N	N	2.0	N	N	50	100	N	100
SR0196S	60 14 27	149 38 20	.50	N	N	2.0	N	N	30	70	N	70
SR0197S	60 15 2	149 40 22	.50	N	N	2.0	N	N	30	70	N	70
SR0198S	60 15 56	149 41 36	.50	N	N	2.0	N	N	30	70	N	70
SR0199S	60 18 37	149 38 15	.50	N	N	2.0	N	N	30	70	N	70
SR0200S	60 16 45	149 40 15	.50	N	N	2.0	N	N	30	70	N	70
SR0201S	60 16 9	149 32 42	.50	N	N	2.0	N	N	30	70	N	70
SR0202S	60 16 15	149 32 48	.50	N	N	2.0	N	N	20	70	N	70
SR0203S	60 18 15	149 46 8	.50	N	N	2.0	N	N	30	70	N	70
SR0204S	60 18 42	149 49 18	.30	N	N	2.0	N	N	20	50	N	70
SR0205S	60 17 2	149 53 25	.30	N	N	2.0	N	N	30	70	N	70
SR0206S	60 21 42	149 43 49	.50	N	N	2.0	N	N	30	70	N	70
SR0207S	60 22 17	149 43 8	.50	N	N	2.0	N	N	30	70	N	70
SR0208S	60 23 14	149 31 9	.50	N	N	2.0	N	N	30	70	N	70
SR0209S	60 20 9	149 32 12	.30	N	N	2.0	N	N	20	50	N	50
SR0210S	60 20 21	149 31 0	.50	N	N	2.0	N	N	30	50	N	70
SR0211S	60 22 27	149 27 34	.30	N	N	2.0	N	N	30	70	N	70
SR0212S	60 19 0	149 19 40	.30	N	N	2.0	N	N	20	70	N	70
SR0213S	60 13 22	149 26 57	.30	N	N	2.0	N	N	20	70	N	70
SR0214S	60 10 46	149 25 59	.50	N	N	<1.0	N	N	30	100	N	70
SR0216S	60 28 22	149 13 9	.50	N	N	2.0	N	N	30	70	N	50
SR0217S	60 28 33	149 6 56	.30	N	N	2.0	N	N	30	70	N	70
SR0218S	60 27 39	149 8 30	.30	N	N	2.0	N	N	20	50	N	50
SR0219S	60 27 45	149 8 30	.30	N	N	2.0	N	N	20	50	N	70
SR0220S	60 27 34	149 8 54	.30	N	N	<1.0	N	N	20	70	N	70
SR0221S	60 28 17	149 12 24	.30	N	N	2.0	N	N	20	70	N	70
SR0222S	60 21 2	149 14 31	.30	N	N	2.0	N	N	30	70	N	70
SR0223S	60 16 23	149 17 12	.30	N	N	2.0	N	N	30	70	N	70
SR0224S	60 16 48	149 15 20	.30	N	N	2.0	N	N	20	50	N	50
SR0225S	60 25 45	149 16 27	.50	N	N	2.0	N	N	30	70	N	70
SR0226S	60 34 59	149 0 15	.50	N	N	2.0	N	N	20	70	N	70
SR0227S	60 39 0	149 2 25	.30	N	N	2.0	N	N	20	50	N	50
SR0228S	60 39 19	149 2 48	.50	N	N	2.0	N	N	30	70	N	70
SR0229S	60 39 38	149 2 57	.50	N	N	2.0	N	N	30	70	N	70
SR0230S	60 41 39	148 57 50	.30	N	N	2.0	N	N	20	50	N	50
SR0231S	60 41 57	149 0 1	.30	N	N	2.0	N	N	20	50	N	50
SR0232S	60 40 46	149 10 0	.30	N	N	2.0	N	N	20	30	N	50
SR0215S	60 28 1	149 19 45	.50	N	N	2.0	N	N	30	70	N	70
SR0233S	60 16 45	149 13 45	.50	N	N	2.0	N	N	30	70	N	70
SR0234S	60 17 30	149 11 48	.30	N	N	2.0	N	N	20	20	N	50
SR0235S	60 17 33	149 10 50	.50	N	N	2.0	N	N	20	70	N	50
SR0236S	60 18 15	149 6 44	.30	N	N	2.0	N	N	20	70	N	70
SR0237S	60 18 35	149 5 56	.50	N	N	2.0	N	N	20	70	N	70

Stream sediments--continued

sample	S-PB	S-SB	S-SN	S-W	S-ZN	AA-AU-P	AA-CU-P	AA-PB-P	AA-ZN-P
SR0193S	30	N	N	N	<200	N	30	15	75
SR0194S	50	N	N	N	<200	N	50	20	80
SR0195S	70	N	N	N	<200	N	80	30	95
SR0196S	30	N	N	N	<200	N	40	20	85
SR0197S	50	N	N	N	<200	.10	60	50	110
SR0198S	50	N	N	N	<200	N	50	25	95
SR0199S	50	N	N	N	<200	N	50	25	95
SR0200S	30	N	N	N	<200	N	50	25	90
SR0201S	50	N	N	N	<200	N	40	25	90
SR0202S	20	N	N	N	<200	N	40	25	85
SR0203S	20	N	N	N	<200	N	40	25	85
SR0204S	20	N	N	N	<200	N	40	20	85
SR0205S	50	N	N	N	<200	N	70	35	150
SR0206S	50	N	N	N	<200	N	50	25	110
SR0207S	50	N	N	N	<200	N	60	25	150
SR0208S	50	N	N	N	<200	N	40	25	95
SR0209S	20	N	N	N	<200	.05	20	20	70
SR0210S	30	N	N	N	<200	N	30	25	95
SR0211S	50	N	N	N	<200	--	50	30	140
SR0212S	50	N	N	N	<200	N	40	25	95
SR0213S	30	N	N	N	<200	N	30	25	70
SR0214S	50	N	N	N	<200	N	50	30	85
SR0216S	30	N	N	N	<200	N	30	15	50
SR0217S	50	N	N	N	<200	N	50	30	140
SR0218S	30	N	N	N	<200	<.05	40	25	80
SR0219S	50	N	N	N	<200	N	30	25	75
SR0220S	50	N	N	N	<200	N	30	25	75
SR0221S	30	N	N	N	<200	N	30	25	75
SR0222S	30	N	N	N	N	1.00	40	20	75
SR0223S	50	N	N	N	<200	N	30	20	95
SR0224S	50	N	N	N	<200	N	20	20	60
SR0225S	20	N	N	N	<200	N	30	20	80
SR0226S	20	N	N	N	<200	N	30	25	80
SR0227S	20	N	N	N	<200	<.05	30	20	80
SR0228S	30	N	N	N	<200	N	35	20	80
SR0229S	20	N	N	N	<200	<.05	50	25	95
SR0230S	30	N	N	N	<200	N	40	25	90
SR0231S	10	N	N	N	<200	N	30	20	75
SR0232S	10	N	N	N	<200	N	20	15	55
SR0215S	30	N	N	N	N	1.50	45	25	--
SR0233S	50	N	N	N	N	N	35	15	--
SR0234S	30	N	N	N	N	N	15	15	--
SR0235S	50	N	N	N	N	N	35	20	--
SR0236S	50	N	N	N	N	N	35	25	--
SR0237S	50	N	N	N	N	N	35	25	--

sample	LATITUDE	LONGITUD	S-TI%	S-AG	S-AS	S-BE	S-BI	S-CD	S-CO	S-CU	S-MO	S-NI
SR0238S	60 3 1	148 59 58	.50	N	N	2.0	N	N	20	70	N	50
SR0239S	60 4 14	148 58 14	.50	N	N	2.0	N	N	20	70	N	70
SR0240S	60 5 17	148 58 11	.50	N	N	2.0	N	N	30	70	N	70
SR0241S	60 5 45	148 58 45	.50	N	N	2.0	N	N	20	50	N	50
SR0242S	60 7 13	148 55 6	.30	N	N	2.0	N	N	20	50	N	50
SR0245S	60 1 55	148 53 44	.30	N	N	2.0	N	N	20	50	N	50
SR0246S	60 1 24	148 53 49	.50	N	N	2.0	N	N	20	50	N	50
SR0247S	60 0 51	148 54 24	.50	N	N	2.0	N	N	20	70	N	50
SR0248S	60 3 16	149 29 34	.50	N	N	2.0	N	N	20	70	N	50
SR0249S	60 1 37	149 29 20	.50	N	N	2.0	N	N	20	50	N	50
SR0250S	60 2 40	149 26 58	.50	N	N	2.0	N	N	20	70	N	50
SR0251S	60 1 11	149 25 28	.50	N	N	2.0	N	N	30	70	N	50
SR0257S	60 18 34	149 12 59	.50	N	N	2.0	N	N	30	50	N	50
SR0258S	60 18 51	149 11 22	.50	N	N	2.0	N	N	30	100	N	50
SR0259S	60 19 4	149 4 45	.50	N	N	2.0	N	N	20	70	N	50
SR0260S	60 20 38	149 1 40	.30	N	N	2.0	N	N	20	70	N	50
SR0261S	60 22 24	148 59 26	.50	N	N	2.0	N	N	20	70	N	50
SR0262S	60 23 20	149 0 55	.30	N	N	2.0	N	N	20	70	N	70
SR0263S	60 25 5	149 0 29	.30	N	N	2.0	N	N	20	50	N	50
SR0264S	60 25 6	149 1 19	.30	N	N	2.0	N	N	20	70	N	50
SR0265S	60 25 59	149 0 29	.30	N	N	2.0	N	N	20	70	N	70
SR0266S	60 26 35	149 0 29	.30	N	N	2.0	N	N	20	70	N	50
SR0267S	60 26 21	149 2 9	.30	N	N	2.0	N	N	20	30	N	50
SR0268S	60 53 6	149 46 0	.30	N	N	2.0	N	N	20	50	N	50
SR0269S	60 50 44	149 48 24	.30	N	N	2.0	N	N	20	70	N	50
SR0270S	60 53 56	149 57 5	.30	N	N	2.0	N	N	20	20	N	50
BS0243S	59 59 0	149 1 20	.30	N	N	2.0	N	N	20	50	N	70
BS0244S	59 58 35	148 58 59	.30	N	N	2.0	N	N	20	50	N	50
BS0252S	59 58 54	149 25 19	.30	N	N	2.0	N	N	20	70	N	70
BS0253S	59 58 31	149 25 50	.30	N	N	2.0	N	N	20	50	N	70
BS0254S	59 56 57	149 28 59	.30	N	N	2.0	N	N	20	70	N	70
BS0255S	59 58 18	149 29 27	.30	N	N	2.0	N	N	20	70	N	70
BS0256S	59 57 47	149 30 25	.20	N	N	2.0	N	N	20	50	N	50
SR0271S	60 23 22	149 13 8	.70	N	N	1.0	N	N	30	70	N	70
SR0272S	60 23 51	149 16 0	.70	N	N	1.0	N	N	30	70	N	70
SR0273S	60 24 15	149 7 9	.70	N	N	<1.0	N	N	30	70	N	150
SR0274S	60 23 14	149 6 30	.70	N	N	<1.0	N	N	20	100	N	150
SR0275S	60 22 33	149 8 29	.70	N	N	1.0	N	N	20	100	N	150
SR0276S	60 22 30	149 8 32	.50	N	N	2.0	N	N	30	70	N	70
SR0277S	60 13 37	149 16 22	.50	N	N	2.0	N	N	20	70	N	50
SR0278S	60 12 45	149 14 39	.50	N	N	1.0	N	N	20	30	N	50
SR0279S	60 12 11	149 13 41	.70	N	N	2.0	N	N	20	50	N	50
SR0280S	60 11 48	149 12 30	.50	N	N	2.0	N	N	20	50	N	50
SR0281S	60 11 35	149 10 59	.50	N	N	2.0	N	N	20	70	N	50
SR0282S	60 11 54	149 8 34	.70	N	N	1.0	N	N	30	100	N	70

sample	S-PB	S-SB	S-SN	S-W	S-ZN	AA-AU-P	AA-CU-P	AA-PB-P	AA-ZN-P
SR0238S	50	N	N	N	N	N	30	20	--
SR0239S	30	N	N	N	N	N	35	20	--
SR0240S	50	N	N	N	N	N	45	25	--
SR0241S	30	N	N	N	N	N	25	20	--
SR0242S	30	N	N	N	N	N	25	20	--
SR0245S	30	N	N	N	N	N	40	25	--
SR0246S	50	N	N	N	N	<.05	40	25	--
SR0247S	50	N	N	N	N	.30	45	25	--
SR0248S	50	N	N	N	N	N	40	35	--
SR0249S	50	N	N	N	N	<.05	50	25	--
SR0250S	50	N	N	N	N	.10	45	25	--
SR0251S	70	N	N	N	N	N	65	30	--
SR0257S	50	N	N	N	N	N	45	30	--
SR0258S	50	N	N	N	N	N	55	25	95
SR0259S	50	N	N	N	N	N	40	25	90
SR0260S	30	N	N	N	N	N	50	20	110
SR0261S	30	N	N	N	N	N	25	20	85
SR0262S	30	N	N	N	N	.20	30	20	100
SR0263S	20	N	N	N	N	<.05	30	20	75
SR0264S	20	N	N	N	N	N	40	20	85
SR0265S	20	N	N	N	N	N	45	25	95
SR0266S	20	N	N	N	N	.40	40	20	75
SR0267S	20	N	N	N	N	N	25	15	70
SR0268S	20	N	N	N	N	N	40	20	95
SR0269S	20	N	N	N	N	N	35	15	70
SR0270S	20	N	N	N	N	N	20	15	60
BS0243S	30	N	N	N	N	N	35	25	90
BS0244S	20	N	N	N	N	.05	25	20	90
BS0252S	50	N	N	N	N	N	45	20	130
BS0253S	50	N	N	N	N	N	25	20	90
BS0254S	50	N	N	N	N	N	55	25	140
BS0255S	50	N	N	N	N	N	60	30	160
BS0256S	30	N	N	N	N	N	40	25	140
SR0271S	50	N	N	N	<200	N	35	20	85
SR0272S	50	N	N	N	<200	N	55	25	140
SR0273S	30	N	N	N	N	N	40	20	80
SR0274S	20	N	N	N	N	<.05	45	20	95
SR0275S	20	N	N	N	N	N	40	25	90
SR0276S	50	N	N	N	<200	N	4	30	95
SR0277S	30	N	N	N	N	N	30	15	65
SR0278S	50	N	N	N	N	N	15	15	50
SR0279S	50	N	N	N	N	N	20	15	65
SR0280S	50	N	N	N	N	N	20	15	55
SR0281S	30	N	N	N	N	N	30	15	65
SR0282S	70	N	N	N	<200	N	55	25	85

sample	LATITUDE	LONGITUD	S-TI%	S-AG	S-AS	S-BE	S-BI	S-CD	S-CO	S-CU	S-MO	S-NI
SR0283S	60 10 56	149 19 59	.50	N	N	2.0	N	N	20	70	N	50
SR0284S	60 10 21	149 18 55	.50	N	N	2.0	N	N	20	70	N	50
SR0285S	60 9 29	149 19 38	.50	N	N	2.0	N	N	20	70	N	50
SR0287S	60 7 23	149 19 59	.50	N	N	2.0	N	N	20	50	N	50
SR0288S	60 2 9	149 12 50	1.00	N	N	1.0	N	N	50	70	N	50
SR0289S	60 7 41	149 0 56	.30	N	N	2.0	N	N	20	50	N	70
SR0290S	60 8 14	149 1 14	.50	N	N	1.0	N	N	20	70	N	70
SR0291S	60 10 38	149 1 0	.30	N	N	2.0	N	N	20	70	N	70
SR0292S	60 10 12	149 1 54	.50	N	N	2.0	N	N	20	70	N	70
SR0293S	60 10 32	149 3 59	.50	N	N	2.0	N	N	20	70	N	70
SR0294S	60 10 50	149 4 51	.30	N	N	2.0	N	N	20	70	N	70
SR0295S	60 11 5	149 2 21	.30	N	N	2.0	N	N	20	70	N	70
SR0296S	60 12 37	149 1 46	.30	N	N	2.0	N	N	20	70	N	70
SR0297S	60 11 52	149 6 15	.30	N	N	2.0	N	N	20	70	N	50
BS0328S	59 59 36	147 58 36	.70	N	N	2.0	N	N	30	70	N	70
BS0329S	59 59 30	147 58 50	.30	N	N	2.0	N	N	30	70	N	50
BS0330S	59 58 50	148 0 11	.30	N	N	2.0	N	N	50	100	N	50
BS0331S	59 58 19	148 1 45	.30	N	N	2.0	N	N	10	10	N	20
BS0351S	59 58 22	147 39 14	.30	N	N	2.0	N	N	30	50	N	50
BS0352S	59 56 35	147 39 34	.30	N	N	2.0	N	N	30	50	N	50
BS0353S	59 53 56	147 43 27	.20	N	N	2.0	N	N	15	20	N	50
BS0354S	59 52 23	147 46 35	.30	N	N	2.0	N	N	20	70	N	70
BS0355S	59 48 59	147 50 25	.50	N	N	2.0	N	N	20	70	N	70
BS0356S	59 48 28	147 44 4	.50	N	N	2.0	N	N	20	70	N	70
BS0357S	59 51 10	147 36 50	.30	N	N	2.0	N	N	20	15	N	50
SR0299S	60 17 3	147 51 15	.50	N	N	1.0	N	N	70	150	N	70
SR0300S	60 16 59	147 48 54	.70	N	N	<1.0	N	N	70	100	N	100
SR0301S	60 18 37	147 46 59	.70	N	N	<1.0	N	N	70	150	N	150
SR0302S	60 18 46	147 45 46	.70	N	N	<1.0	N	N	70	100	N	150
SR0303S	60 19 14	147 43 54	.70	N	N	<1.0	N	N	70	70	N	200
SR0304S	60 20 20	147 45 15	.70	N	N	<1.0	N	N	70	100	N	100
SR0305S	60 21 6	147 45 46	.70	N	N	<1.0	N	N	70	70	N	100
SR0306S	60 19 22	147 51 59	.70	N	N	<1.0	N	N	100	70	N	100
SR0307S	60 20 11	147 48 20	.50	N	N	<1.0	N	N	100	70	N	100
SR0308S	60 20 38	147 48 12	.70	N	N	<1.0	N	N	70	100	N	100
SR0309S	60 21 29	147 49 35	.50	N	N	<1.0	N	N	70	100	N	200
SR0310S	60 22 1	147 50 26	.50	N	N	<1.0	N	N	70	100	N	100
SR0311S	60 17 3	147 50 25	.70	N	N	<1.0	N	N	50	70	N	150
SR0312S	60 17 23	147 52 46	.50	N	N	<1.0	N	N	50	70	N	200
SR0313S	60 16 8	147 50 58	.70	N	N	<1.0	N	N	70	150	N	150
SR0314S	60 15 29	147 52 30	.70	N	N	<1.0	N	N	100	70	N	150
SR0315S	60 15 1	147 53 15	.50	N	N	<1.0	N	N	70	70	N	100
SR0316S	60 13 36	147 53 6	.70	N	N	<1.0	N	N	70	70	N	150
SR0317S	60 14 39	147 48 20	.70	N	N	1.0	N	N	50	100	N	70
SR0318S	60 14 30	147 47 43	.70	N	N	<1.0	N	N	70	200	N	150

Stream sediments--continued

sample	S-PB	S-SB	S-SN	S-W	S-ZN	AA-AU-P	AA-CU-P	AA-PB-P	AA-ZN-P
SR0283S	50	N	N	N	<200	N	70	20	85
SR0284S	50	N	N	N	<200	.15	40	20	95
SR0285S	50	N	N	N	<200	.30	30	20	70
SR0287S	20	N	N	N	<200	N	20	15	70
SR0288S	<10	N	N	N	<200	N	25	15	35
SR0289S	50	N	N	N	<200	N	35	15	80
SR0290S	50	N	N	N	<200	N	40	25	100
SR0291S	50	N	N	N	<200	N	40	20	90
SR0292S	50	N	N	N	<200	N	35	20	80
SR0293S	50	N	N	N	<200	N	50	20	90
SR0294S	50	N	N	N	N	N	30	15	70
SR0295S	50	N	N	N	N	N	30	15	75
SR0296S	50	N	N	N	N	N	35	10	90
SR0297S	50	N	N	N	N	N	30	15	70
BS0328S	50	N	N	N	200	<.10	20	25	150
BS0329S	50	N	N	N	200	N	40	25	140
BS0330S	70	N	N	N	1,000	N	55	20	310
BS0331S	20	N	N	N	N	N	5	15	50
BS0351S	30	N	N	N	N	--	25	25	75
BS0352S	50	N	N	N	<200	N	25	25	75
BS0353S	20	N	N	N	<200	N	15	20	55
BS0354S	30	N	N	N	N	N	25	20	70
BS0355S	30	N	N	N	<200	N	20	20	70
BS0356S	50	N	N	N	<200	N	20	20	70
BS0357S	20	N	N	N	N	N	5	15	40
SR0299S	20	N	N	N	700	N	100	25	260
SR0300S	20	N	N	N	300	N	70	15	70
SR0301S	10	N	N	N	300	N	160	15	80
SR0302S	<10	N	N	N	500	N	120	15	70
SR0303S	<10	N	N	N	200	N	50	15	35
SR0304S	<10	N	N	N	500	N	20	5	15
SR0305S	15	N	N	N	200	N	50	15	40
SR0306S	20	N	N	N	200	N	35	20	80
SR0307S	15	N	N	N	200	N	40	15	60
SR0308S	10	N	N	N	200	N	65	15	85
SR0309S	15	N	N	N	200	N	50	20	70
SR0310S	20	N	N	N	<200	N	40	20	70
SR0311S	10	N	N	N	200	N	55	10	80
SR0312S	20	N	N	N	<200	N	35	20	85
SR0313S	20	N	N	N	200	N	110	20	140
SR0314S	20	N	N	N	500	N	55	25	280
SR0315S	20	N	N	N	200	N	30	20	90
SR0316S	20	N	N	N	200	N	35	25	95
SR0317S	20	N	N	N	200	N	65	15	110
SR0318S	20	N	N	N	200	N	75	15	50

sample	LATITUDE	LONGITUD	S-TI%	S-AG	S-AS	S-BE	S-BI	S-CD	S-CO	S-CU	S-MO	S-NI
SR0319S	60 13 58	147 46 17	.50	N	N	2.0	N	N	50	300	N	70
SR0320S	60 12 33	147 47 22	.70	N	N	1.0	N	N	50	70	N	100
SR0321S	60 14 2	147 51 20	.70	N	N	<1.0	N	N	50	100	N	70
SR0323S	60 2 12	147 54 41	.50	N	N	1.0	N	N	100	100	N	100
SR0324S	60 2 14	147 54 29	.30	N	N	2.0	N	N	50	100	N	100
SR0325S	60 1 0	147 55 32	.30	<.5	N	2.0	N	N	30	100	N	50
SR0327S	60 0 55	147 55 40	.30	N	N	1.0	N	N	30	70	N	50
SR0332S	60 3 55	147 50 16	.30	N	N	2.0	N	N	20	50	N	50
SR0333S	60 5 3	147 56 20	.30	N	N	1.0	N	N	20	50	N	50
SR0334S	60 7 20	147 54 15	.30	N	N	1.0	N	N	50	70	N	50
SR0335S	60 7 20	147 55 17	.30	N	N	1.0	N	N	20	70	N	50
SR0336S	60 6 29	147 57 54	.30	N	N	2.0	N	N	30	70	N	70
SR0337S	60 6 27	147 57 15	.30	N	N	2.0	N	N	30	70	N	50
SR0338S	60 7 0	147 59 6	.50	N	N	2.0	N	N	50	70	N	70
SR0339S	60 1 49	147 34 9	.30	N	N	1.0	N	N	20	50	N	50
SR0340S	60 4 36	147 28 5	.30	N	N	2.0	N	N	15	30	N	50
SR0341S	60 8 14	147 20 30	.30	N	N	2.0	N	N	20	50	N	50
SR0342S	60 10 33	147 15 55	.30	N	N	2.0	N	N	20	50	N	50
SR0343S	60 11 12	147 46 55	.30	N	N	1.0	N	N	30	70	N	50
SR0344S	60 12 36	147 45 20	.50	N	N	1.0	N	N	30	150	N	70
SR0345S	60 15 39	147 46 10	.50	N	N	<1.0	N	N	30	100	N	100
SR0346S	60 16 41	147 43 37	.50	N	N	<1.0	N	N	30	100	N	100
SR0347S	60 19 36	147 41 4	.50	N	N	<1.0	N	N	30	70	N	70
SR0349S	60 22 35	147 40 24	.50	N	N	<1.0	N	N	30	70	N	70
SR0388S	60 53 56	147 36 17	.30	N	N	3.0	N	N	30	70	N	50
SR0389S	60 56 54	147 36 44	.50	N	N	3.0	N	N	50	70	N	70
SR0391S	60 52 23	147 14 53	.70	N	N	1.0	N	N	50	70	N	70
SR0392S	60 54 44	147 31 50	.50	N	N	2.0	N	N	30	20	N	50
SR0393S	60 57 19	147 31 50	.50	N	N	2.0	N	N	30	50	N	70
SR0394S	60 58 42	147 31 58	.30	N	N	2.0	N	N	20	50	N	50
SR0395S	60 59 12	147 36 24	.30	N	N	2.0	N	N	20	50	N	50
SR0396S	60 56 54	147 39 7	.30	N	N	2.0	N	N	30	70	N	70
SR0397S	60 55 12	147 36 50	.50	N	N	2.0	N	N	30	70	N	70
SR0398S	60 54 6	147 39 1	.50	N	N	2.0	N	N	30	70	N	50
SR0399S	60 52 45	147 39 24	.30	N	N	2.0	N	N	20	30	N	50
SR0400S	60 52 27	147 36 41	.50	N	N	2.0	N	N	30	50	N	70
SR0401S	60 53 3	147 16 2	.50	N	N	1.0	N	N	30	100	N	70
SR0402S	60 54 15	147 13 36	.50	N	N	2.0	N	N	20	70	N	70
SR0403S	60 53 21	147 13 20	.50	N	N	1.0	N	N	30	70	N	70
SR0404S	60 53 36	147 11 26	.50	N	N	1.0	N	N	30	70	N	100
SR0405S	60 53 12	147 10 1	.50	N	N	1.0	N	N	30	100	N	70
SR0406S	60 52 19	147 9 39	.50	N	N	1.0	N	N	50	70	N	100
SR0407S	60 52 0	147 11 0	.50	N	N	1.0	N	N	30	70	N	50
SR0408S	60 52 23	147 8 9	.50	N	N	1.0	N	N	30	70	N	50
SR0409S	60 52 31	147 7 20	.70	N	N	2.0	N	N	30	50	N	70

sample	S-PB	S-SB	S-SN	S-W	S-ZN	AA-AJ-P	AA-CU-P	AA-PB-P	AA-ZN-P
SR0319S	50	N	N	N	1,000	N	380	30	270
SR0320S	30	N	N	N	200	N	45	20	130
SR0321S	<10	N	N	N	300	N	65	10	150
SR0323S	50	N	N	N	N	N	85	30	200
SR0324S	70	N	N	N	200	N	80	55	230
SR0325S	50	N	N	N	<200	.05	150	30	200
SR0327S	30	N	N	N	<200	N	35	20	140
SR0332S	20	N	N	N	<200	--	25	30	95
SR0333S	20	N	N	N	<200	N	15	20	140
SR0334S	50	N	N	N	<200	N	30	30	110
SR0335S	30	N	N	N	<200	N	30	20	140
SR0336S	50	N	N	N	200	N	70	30	220
SR0337S	30	N	N	N	200	N	35	25	110
SR0338S	30	N	N	N	200	N	40	25	160
SR0339S	30	N	N	N	<200	N	10	15	65
SR0340S	20	N	N	N	<200	N	20	15	70
SR0341S	20	N	N	N	<200	N	35	25	100
SR0342S	20	N	N	N	<200	N	25	20	85
SR0343S	20	N	N	N	<200	N	25	15	75
SR0344S	20	N	N	N	<200	N	45	10	35
SR0345S	10	N	N	N	<200	N	20	5	10
SR0346S	20	N	N	N	<200	--	--	--	--
SR0347S	20	N	N	N	<200	N	60	20	110
SR0349S	20	N	N	N	<200	N	60	25	120
SR0388S	50	N	N	N	<200	.05	20	20	110
SR0389S	70	N	N	N	200	N	40	35	130
SR0391S	20	N	N	N	<200	--	--	--	--
SR0392S	30	N	N	N	<200	N	10	15	35
SR0393S	30	N	N	N	<200	N	25	25	120
SR0394S	30	N	N	N	200	N	25	20	150
SR0395S	50	N	N	N	200	N	30	35	150
SR0396S	50	N	N	N	<200	N	35	35	90
SR0397S	50	N	N	N	300	N	50	35	150
SR0398S	50	N	N	N	<200	N	25	20	110
SR0399S	30	N	N	N	<200	N	20	20	80
SR0400S	50	N	N	N	<200	N	20	25	110
SR0401S	50	N	N	N	<200	N	25	20	80
SR0402S	50	N	N	N	<200	N	30	25	120
SR0403S	20	N	N	N	<200	N	40	20	80
SR0404S	50	N	N	N	200	N	50	35	150
SR0405S	50	N	N	N	200	N	90	35	130
SR0406S	50	N	N	N	200	.45	65	35	100
SR0407S	20	N	N	N	<200	N	70	15	80
SR0408S	30	N	N	N	<200	N	30	20	60
SR0409S	20	N	N	N	200	N	30	20	65

sample	LATITUDE	LONGITUD	S-TI%	S-AG	S-AS	S-BE	S-BI	S-CD	S-CO	S-CU	S-MO	S-NI
SR0410S	60 53 48	147 4 50	.70	N	N	2.0	N	N	30	70	N	70
SR0411S	60 43 54	147 24 46	.70	N	N	2.0	N	N	20	30	N	50
SR0412S	60 43 44	147 25 59	.50	N	N	2.0	N	N	20	30	N	50
SR0413S	60 43 36	147 26 52	.50	N	N	2.0	N	N	20	30	N	70
SR0414S	60 42 25	147 23 40	.30	N	N	2.0	N	N	30	30	N	70
SR0415S	60 40 14	147 26 26	.30	N	N	2.0	N	N	20	30	N	70
SR0416S	60 39 15	147 25 54	.30	N	N	2.0	N	N	20	30	N	50
SR0417S	60 40 12	147 23 45	.30	N	N	2.0	N	N	50	30	N	70
SR0418S	60 39 11	147 21 39	.50	N	N	2.0	N	N	30	30	N	50
SR0419S	60 56 15	147 45 26	.30	N	N	2.0	N	N	20	30	N	50
SR0420S	60 57 15	147 47 20	.50	N	N	2.0	N	N	20	30	N	50
SR0421S	60 55 32	147 48 23	.30	N	N	2.0	N	N	30	50	N	50
SR0422S	60 54 34	147 50 50	.50	N	N	2.0	N	N	30	20	N	70
SR0423S	60 55 56	147 51 56	.30	N	N	2.0	N	N	15	70	N	50
SR0424S	60 52 45	147 49 8	.30	N	N	2.0	N	N	30	100	N	70
SR0425S	60 52 37	147 49 50	.30	N	N	2.0	N	N	30	50	N	50
SR0426S	60 52 30	147 49 35	.50	N	N	2.0	N	N	30	70	N	70
SR0427S	60 50 20	147 50 44	.30	N	N	2.0	N	N	30	50	N	50
SR0428S	60 49 42	147 51 21	.30	N	N	2.0	N	N	70	50	N	50
SR0429S	60 51 51	147 53 40	.30	N	N	2.0	N	N	30	30	N	50
SR0430S	60 54 15	147 55 50	.30	N	N	2.0	N	N	30	20	N	70
SR0431S	60 54 26	147 55 55	.30	N	N	2.0	N	N	30	50	N	70
SR0432S	60 54 53	147 58 49	.30	N	N	2.0	N	N	30	50	N	50
SR0433S	60 55 32	148 1 5	.30	N	N	2.0	N	N	20	10	N	70
SR0434S	60 57 41	147 59 23	.30	N	N	2.0	N	N	30	70	N	70
SR0435S	60 50 30	147 47 52	.30	N	N	2.0	N	N	20	15	N	30
SR0437S	60 57 3	147 56 39	.50	N	N	2.0	N	N	20	70	N	50
SR0438S	60 57 36	147 57 5	.50	N	N	2.0	N	N	20	50	N	50
SR0440S	60 59 3	147 56 25	.50	N	N	2.0	N	N	20	30	N	50
SR0441S	60 59 30	148 13 54	.30	N	N	2.0	N	N	20	50	N	50
SR0442S	60 58 17	148 15 30	.50	N	N	2.0	N	N	30	70	N	70
SR0443S	60 57 12	148 17 30	.50	N	N	2.0	N	N	30	70	N	70
SR0444S	60 56 30	148 22 1	.50	N	N	2.0	N	N	20	70	N	50
SR0445S	60 57 7	148 20 4	.50	N	N	2.0	N	N	30	70	N	70
SR0446S	60 54 48	148 19 18	.50	N	N	2.0	N	N	20	50	N	50
SR0447S	60 54 16	148 19 11	.50	N	N	2.0	N	N	30	70	N	70
SR0448S	60 57 38	148 18 25	.50	N	N	2.0	N	N	30	70	N	70
SR0449S	60 52 35	148 19 45	.50	N	N	2.0	N	N	30	100	N	70
SR0450S	60 51 47	148 23 22	.50	N	N	2.0	N	N	30	50	N	70
SR0451S	60 52 11	148 24 41	.50	N	N	2.0	N	N	30	70	N	70
SR0452S	60 53 4	148 24 55	.50	N	N	2.0	N	N	30	70	N	70
SR0453S	60 53 36	148 25 24	.50	N	N	2.0	N	N	30	70	N	70
SR0454S	60 53 3	148 27 24	.50	N	N	2.0	N	N	20	100	N	70
SR0455S	60 51 30	148 25 59	.50	N	N	2.0	N	N	20	50	N	70
SR0456S	60 30 24	147 36 46	.30	N	N	<1.0	N	N	30	50	N	70

sample	S-PB	S-SB	S-SN	S-W	S-ZN	AA-AU-P	AA-CU-P	AA-PB-P	AA-ZN-P
SR0410S	20	N	N	N	200	--	50	20	95
SR0411S	30	N	N	N	<200	--	10	20	80
SR0412S	30	N	N	N	<200	N	20	20	85
SR0413S	30	N	N	N	<200	--	25	20	100
SR0414S	20	N	N	N	<200	--	20	15	80
SR0415S	30	N	N	N	<200	--	15	20	80
SR0416S	20	N	N	N	<200	N	20	15	90
SR0417S	30	N	N	N	<200	N	15	20	170
SR0418S	30	N	N	N	<200	--	20	20	95
SR0419S	30	N	N	N	<200	N	45	10	70
SR0420S	20	N	N	N	<200	N	35	10	55
SR0421S	20	N	N	N	<200	N	45	20	110
SR0422S	20	N	N	N	<200	N	30	15	85
SR0423S	20	N	N	N	<200	N	35	15	70
SR0424S	30	N	N	N	<200	N	60	25	140
SR0425S	30	N	N	N	<200	N	30	20	100
SR0426S	50	N	N	N	<200	.05	65	25	140
SR0427S	30	N	N	N	<200	N	30	20	100
SR0428S	50	N	N	N	<200	N	30	25	120
SR0429S	30	N	N	N	<200	N	25	20	100
SR0430S	30	N	N	N	<200	N	20	15	80
SR0431S	30	N	N	N	<200	N	20	10	60
SR0432S	30	N	N	N	<200	N	25	15	65
SR0433S	30	N	N	N	<200	N	15	15	55
SR0434S	30	N	N	N	<200	N	40	20	110
SR0435S	30	N	N	N	N	N	15	15	65
SR0437S	20	N	N	N	<200	N	30	15	70
SR0438S	20	N	N	N	<200	<.05	25	5	55
SR0440S	20	N	N	N	<200	N	20	10	50
SR0441S	20	N	N	N	<200	N	30	20	90
SR0442S	30	N	N	N	<200	N	35	20	95
SR0443S	50	N	N	N	<200	N	40	20	100
SR0444S	20	N	N	N	<200	N	35	15	85
SR0445S	50	N	N	N	<200	.10	45	20	120
SR0446S	20	N	N	N	<200	N	35	15	90
SR0447S	50	N	N	N	<200	N	45	15	120
SR0448S	50	N	N	N	<200	--	35	20	100
SR0449S	50	N	N	N	<200	N	55	20	120
SR0450S	20	N	N	N	<200	.25	25	10	95
SR0451S	20	N	N	N	<200	N	35	15	80
SR0452S	30	N	N	N	<200	.90	60	20	120
SR0453S	50	N	N	N	<200	1.30	65	30	110
SR0454S	30	N	N	N	<200	N	35	15	90
SR0455S	50	N	N	N	<200	--	25	15	60
SR0456S	20	N	N	N	<200	--	25	15	90

sample	LATITUDE	LONGITUD	S-TI%	S-AG	S-AS	S-BE	S-BI	S-CD	S-CO	S-CU	S-MO	S-NI
SR0457S	60 26 42	147 38 39	.50	N	N	<1.0	N	N	30	100	N	70
SR0458S	60 25 38	147 41 20	.50	N	N	N	N	N	30	100	N	70
SR0459S	60 21 43	147 41 34	.50	N	N	1.0	N	N	50	300	N	100
SR0460S	60 5 17	148 14 23	.50	N	N	2.0	N	N	20	50	N	50
SR0461S	60 5 21	148 15 48	.50	N	N	2.0	N	N	15	20	N	50
SR0462S	60 7 6	148 14 39	.30	N	N	2.0	N	N	20	70	N	50
SR0463S	60 7 2	148 12 46	.50	N	N	2.0	N	N	20	70	N	50
SR0465S	60 8 0	148 9 19	.50	N	N	2.0	N	N	20	70	N	50
SR0466S	60 5 25	148 10 54	.50	N	N	2.0	N	N	30	70	N	70
SR0467S	60 6 50	148 9 26	.30	N	N	2.0	N	N	30	70	N	50
SR0469S	60 4 10	148 10 48	.50	N	N	2.0	N	N	30	50	N	50
SR0470S	60 3 48	148 12 21	.30	N	N	2.0	N	N	30	50	N	50
SR0471S	60 2 40	148 14 20	.30	N	N	2.0	N	N	20	30	N	50
SR0472S	60 2 27	148 11 3	.30	N	N	2.0	N	N	30	200	N	50
SR0473S	60 3 15	148 17 48	.30	N	N	2.0	N	N	20	50	N	50
SR0474S	60 1 45	148 15 10	.50	N	N	2.0	N	N	20	50	N	50
SR0475S	60 0 51	148 14 9	.30	N	N	2.0	N	N	20	30	N	50
SR0476S	60 0 59	148 16 14	.30	N	N	2.0	N	N	20	50	N	50
SR0477S	60 3 12	148 8 26	.30	N	N	2.0	N	N	30	100	N	70
SR0478S	60 5 7	148 6 25	.30	N	N	2.0	N	N	20	50	N	50
SR0479S	60 7 2	148 6 50	.30	N	N	2.0	N	N	30	50	N	50
SR0480S	60 7 33	148 7 14	.30	N	N	2.0	N	N	20	50	N	50
SR0481S	60 11 17	148 8 4	.30	N	N	2.0	N	N	50	50	10	50
SR0482S	60 13 1	148 6 59	.30	N	N	2.0	N	N	50	50	N	50
SR0484S	60 31 10	147 39 3	.30	N	N	<1.0	N	N	30	50	N	100
SR0485S	60 30 11	147 42 38	.50	N	N	<1.0	N	N	30	70	N	100
SR0486S	60 28 35	147 42 32	.50	N	N	<1.0	N	N	50	70	N	100
SR0487S	60 29 35	147 41 39	.30	N	N	<1.0	N	N	30	50	N	100
SR0488S	60 26 30	147 42 29	.50	N	N	<1.0	N	N	50	70	N	70
SR0489S	60 26 26	147 37 6	.50	N	N	<1.0	N	N	50	70	N	100
SR0490S	60 9 44	148 5 3	.30	N	N	1.0	N	N	50	70	N	100
SR0491S	60 10 21	148 4 36	.30	N	N	1.0	N	N	50	70	N	100
SR0492S	60 5 11	148 3 11	.50	N	N	1.0	N	N	30	70	N	70
SR0493S	60 2 54	148 6 29	.70	N	N	1.0	N	N	20	50	N	70
SR0494S	60 1 35	148 6 50	.50	N	N	2.0	N	N	20	50	N	70
SR0495S	60 42 3	147 56 56	.20	N	N	2.0	N	N	10	10	N	<5
SR0496S	60 42 37	147 55 10	.15	N	N	2.0	N	N	<5	10	N	<5
SR0497S	60 24 57	147 43 32	.50	N	N	<1.0	N	N	30	200	N	70
SR0498S	60 24 29	147 40 57	.50	N	N	<1.0	N	N	70	100	N	100
SR0499S	60 24 20	147 47 58	.50	N	N	<1.0	N	N	50	100	N	15
SR0500S	60 28 24	147 47 15	.70	N	N	<1.0	N	N	50	70	N	50
SR0501S	60 13 24	148 8 49	.50	N	N	2.0	N	N	30	50	N	50
SR0502S	60 12 36	148 8 39	.20	N	N	2.0	N	N	30	50	N	50
SR0503S	60 10 26	148 10 9	.30	N	N	2.0	N	N	20	50	N	50
SR0504S	60 10 0	148 10 31	.30	N	N	2.0	N	N	30	70	N	50

sample	S-PB	S-SB	S-SN	S-W	S-ZN	AA-AU-P	AA-CU-P	AA-PB-P	AA-ZN-P
SR0457S	20	N	N	N	<200	--	50	10	45
SR0458S	20	N	N	N	200	N	80	10	140
SR0459S	20	N	N	N	<200	N	720	15	55
SR0460S	20	N	N	N	<200	N	15	15	85
SR0461S	20	N	N	N	<200	N	15	15	85
SR0462S	50	N	N	N	<200	N	30	20	100
SR0463S	50	N	N	N	<200	N	25	20	95
SR0465S	50	N	N	N	<200	N	20	20	95
SR0466S	50	N	N	N	200	N	40	25	140
SR0467S	50	N	N	N	200	N	40	20	130
SR0469S	30	N	N	N	<200	N	15	15	85
SR0470S	20	N	N	N	<200	N	30	20	110
SR0471S	20	N	N	N	<200	N	15	15	100
SR0472S	20	N	N	N	<200	--	40	20	120
SR0473S	30	N	N	N	<200	N	20	20	90
SR0474S	20	N	N	N	<200	N	20	15	95
SR0475S	20	N	N	N	<200	--	30	15	75
SR0476S	20	N	N	N	<200	--	35	20	100
SR0477S	50	N	N	N	<200	N	75	35	170
SR0478S	30	N	N	N	200	--	30	20	110
SR0479S	30	N	N	N	<200	N	20	20	80
SR0480S	30	N	N	N	<200	N	15	20	70
SR0481S	30	N	N	N	200	N	20	25	140
SR0482S	50	N	N	N	200	N	25	30	140
SR0484S	20	N	N	N	200	--	35	25	95
SR0485S	20	N	N	N	<200	--	35	20	60
SR0486S	20	N	N	N	<200	--	--	--	--
SR0487S	20	N	N	N	<200	N	45	15	60
SR0488S	20	N	N	N	<200	N	45	10	60
SR0489S	10	N	N	N	<200	N	40	15	65
SR0490S	20	N	N	N	200	N	40	25	120
SR0491S	20	N	N	N	<200	N	30	25	80
SR0492S	20	N	N	N	200	N	35	20	85
SR0493S	20	N	N	N	200	N	15	15	80
SR0494S	20	N	N	N	200	N	20	15	100
SR0495S	15	N	N	N	N	N	15	10	25
SR0496S	5	N	N	N	N	N	250	15	85
SR0497S	15	N	N	N	200	N	35	5	20
SR0498S	15	N	N	N	200	--	45	10	55
SR0499S	10	N	N	N	200	N	25	20	130
SR0500S	10	N	N	N	200	N	20	20	75
SR0501S	20	N	N	N	<200	N	20	20	100
SR0502S	30	N	N	N	<200	N	20	15	85
SR0503S	10	N	N	N	<200	N	20	20	100
SR0504S	30	N	N	N	<200	N	20	20	85

sample	LATITUDE	LONGITUD	S-TI%	S-AG	S-AS	S-BE	S-BI	S-CD	S-CO	S-CU	S-MO	S-NI
SR0505S	60 9 2	148 12 57	.30	N	N	1.5	N	N	20	70	N	50
SR0506S	60 9 30	148 13 5	.30	N	N	1.5	N	N	30	70	N	50
SR0507S	60 14 15	148 13 19	.50	N	N	<1.0	N	N	30	70	N	70
SR0508S	60 12 11	148 17 9	.30	N	N	<1.0	N	N	20	70	N	70
SR0509S	60 12 51	148 12 34	.50	N	N	<1.0	N	N	20	70	N	70
SR0510S	60 20 24	148 11 3	.30	N	N	<1.0	N	N	30	70	N	70
SR0511S	60 19 36	148 16 27	.50	N	N	2.0	N	N	30	100	N	70
SR0512S	60 21 50	148 15 39	.30	N	N	2.0	N	N	20	70	N	50
SR0513S	60 21 50	148 12 29	.30	N	N	2.0	N	N	30	70	N	50
SR0514S	60 22 9	148 8 12	.50	N	N	2.0	N	N	20	70	N	50
SR0515S	60 22 36	148 8 54	.30	N	N	2.0	N	N	30	70	N	50
SR0516S	60 23 8	148 7 17	.30	N	N	2.0	N	N	30	50	N	50
SR0517S	60 25 6	148 5 45	.70	N	N	1.0	N	N	30	30	N	50
SR0518S	60 24 51	148 3 55	.50	N	N	2.0	N	N	20	30	N	50
SR0519S	60 24 2	148 10 14	.50	N	N	2.0	N	N	30	50	N	50
SR0520S	60 25 22	148 0 39	.50	N	N	2.0	N	N	50	50	N	150
SR0521S	60 25 19	147 57 55	1.00	N	N	1.0	N	N	30	70	N	50
SR0523S	60 19 59	148 0 48	.50	N	N	1.0	N	N	50	100	N	70
SR0524S	60 21 5	148 1 29	.50	N	N	1.0	N	N	30	70	N	70
SR0526S	60 18 59	148 7 14	.50	N	N	1.0	N	N	20	50	N	50
SR0527S	60 17 42	148 6 34	.30	N	N	1.0	N	N	50	70	N	50
SR0543S	60 21 29	148 53 54	.50	N	N	1.0	N	N	15	30	N	70
SR0544S	60 30 19	148 49 17	.70	N	N	1.0	N	N	15	70	N	70
SR0545S	60 30 30	148 49 36	.70	N	N	<1.0	N	N	15	30	N	30
SR0546S	60 28 19	148 51 20	.70	N	N	1.0	N	N	15	30	N	30
SR0547S	60 25 36	148 45 0	.70	N	N	1.0	N	N	15	30	N	30
SR0548S	60 24 21	148 44 12	.70	N	N	<1.0	N	N	15	30	N	30
SR0549S	60 22 33	148 50 8	.70	N	N	1.0	N	N	15	70	N	70
SR0550S	60 18 51	148 55 50	.70	N	N	1.0	N	N	15	30	N	50
SR0551S	60 18 8	148 56 36	.70	N	N	<1.0	N	N	15	50	N	50
SR0552S	60 16 59	148 57 20	.70	N	N	1.0	N	N	15	70	N	50
SR0553S	60 15 37	148 59 4	.50	N	N	<1.0	N	N	15	30	N	30
SR0554S	60 15 20	149 2 4	.50	N	N	<1.0	N	N	15	30	N	30
SR0555S	60 14 48	149 3 10	.70	N	N	<1.0	N	N	15	20	N	70
SR0556S	60 13 46	149 3 45	.70	N	N	<1.0	N	N	15	20	N	50
SR0557S	60 13 15	149 4 18	.50	N	N	<1.0	N	N	15	15	N	30
SR0558S	60 13 1	149 3 29	.30	N	N	<1.0	N	N	15	15	N	20
SR0566S	60 1 56	148 32 11	.10	N	N	<1.0	N	N	N	10	N	5
SR0567S	60 0 20	148 28 19	.30	N	N	<1.0	N	N	5	5	N	20
SR0569S	60 1 50	148 26 54	.20	N	N	<1.0	N	N	N	5	N	5
SR0570S	60 3 42	148 24 20	.30	N	N	<1.0	N	N	N	5	N	10
SR0571S	60 6 20	148 23 22	.15	N	N	N	N	N	N	5	N	5
SR0572S	60 8 8	148 21 36	.30	N	N	<1.0	N	N	N	5	N	20
SR0573S	60 10 4	148 16 45	.30	N	N	<1.0	N	N	10	15	N	20
SR0574S	60 10 0	148 20 49	.15	N	N	<1.0	N	N	N	5	N	5

sample	S-PB	S-SB	S-SN	S-W	S-ZN	AA-AU-P	AA-CU-P	AA-PB-P	AA-ZN-P
SR0505S	30	N	N	N	<200	--	30	20	100
SR0506S	30	N	N	N	<200	N	25	25	100
SR0507S	50	N	N	N	N	N	25	15	65
SR0508S	50	N	N	N	N	N	25	15	95
SR0509S	20	N	N	N	N	N	20	20	75
SR0510S	20	N	N	N	N	N	60	30	140
SR0511S	50	N	N	N	N	N	25	20	90
SR0512S	30	N	N	N	N	N	25	20	95
SR0513S	50	N	N	N	N	.20	20	15	80
SR0514S	30	N	N	N	N	.50	25	15	80
SR0515S	50	N	N	N	<200	.25	25	15	80
SR0516S	30	N	N	N	<200	N	10	10	40
SR0517S	50	N	N	N	<200	N	15	10	60
SR0518S	30	N	N	N	<200	N	25	20	90
SR0519S	30	N	N	N	<200	N	30	10	35
SR0520S	20	N	20	N	<200	N	20	30	55
SR0521S	50	N	N	N	<200	N	60	15	120
SR0523S	50	N	N	N	<200	N	30	10	55
SR0524S	20	N	N	N	<200	N	20	15	75
SR0526S	50	N	N	N	<200	N	25	25	120
SR0527S	50	N	N	N	<200	N	25	20	90
SR0543S	15	N	N	N	N	N	35	20	95
SR0544S	10	N	N	N	N	N	40	15	75
SR0545S	10	N	N	N	N	N	40	15	70
SR0546S	10	N	N	N	N	N	45	15	70
SR0547S	10	N	N	N	N	N	40	15	75
SR0548S	<10	N	N	N	N	N	45	20	85
SR0549S	10	N	N	N	N	N	45	15	80
SR0550S	10	N	N	N	N	N	35	15	80
SR0551S	10	N	N	N	N	N	50	20	80
SR0552S	10	N	N	N	N	N	35	20	85
SR0553S	10	N	N	N	N	N	45	20	90
SR0554S	10	N	N	N	N	N	30	15	65
SR0555S	10	N	N	N	N	N	35	20	85
SR0556S	<10	N	N	N	N	.05	35	15	70
SR0557S	<10	N	N	N	N	N	20	15	70
SR0558S	<10	N	N	N	N	N	40	20	70
SR0566S	N	N	N	N	N	N	30	15	80
SR0567S	N	N	N	N	N	N	15	15	65
SR0569S	N	N	N	N	N	N	10	10	65
SR0570S	N	N	N	N	N	.05	25	20	110
SR0571S	N	N	N	N	N	.05	20	10	50
SR0572S	N	N	N	N	N	N	10	10	50
SR0573S	N	N	N	N	N	--	20	15	65
SR0574S	N	N	N	N	N	N	15	10	50

sample	LATITUDE	LONGITUD	S-TI%	S-AG	S-AS	S-BE	S-BI	S-CD	S-CO	S-CU	S-MO	S-NI
SR0575S	60 11 27	148 18 45	.30	N	N	<1.0	N	N	10	10	N	15
SR0576S	60 11 53	148 21 38	.30	N	N	<1.0	N	N	10	5	N	5
SR0577S	60 11 26	148 25 28	.30	N	N	<1.0	N	N	5	15	N	10
SR0578S	60 13 35	148 21 20	.50	N	N	<1.0	N	N	15	20	N	50
SR0579S	60 15 38	148 23 25	.30	N	N	<1.0	N	N	10	15	N	15
SR0580S	60 17 44	148 22 0	.30	N	N	<1.0	N	N	10	10	N	15
SR0581S	60 16 58	148 15 6	.70	N	N	<1.0	N	N	70	10	N	30
SR0582S	60 25 24	148 17 54	.50	N	N	<1.0	N	N	10	20	N	20
SR0583S	60 28 14	148 20 8	.50	N	N	<1.0	N	N	N	7	N	7
SR0584S	60 29 35	148 9 12	.50	N	N	<1.0	N	N	15	30	N	30
SR0586S	60 35 50	148 15 0	.50	N	N	<1.0	N	N	15	20	N	30
SR0587S	60 37 32	148 12 16	.30	N	N	<1.0	N	N	15	10	N	20
SR0588S	60 37 48	148 12 21	.30	N	N	<1.0	N	N	15	10	N	20
SR0589S	60 40 35	148 17 39	.70	N	N	<1.0	N	N	15	30	N	50
SR0593S	60 34 14	148 17 53	.70	N	N	<1.0	N	N	30	50	N	50
SR0594S	60 35 17	148 17 59	.70	N	N	<1.0	N	N	15	30	N	50
SR0595S	60 37 36	148 18 20	.50	N	N	<1.0	N	N	15	20	N	30
SR0596S	60 43 5	148 13 5	.70	N	N	<1.0	N	N	15	30	N	30
SR0597S	60 44 21	148 10 54	.70	N	N	<1.0	N	N	20	50	N	50
SR0598S	60 44 48	148 7 45	.30	N	N	<1.0	N	N	15	50	N	30
SR0600S	60 42 46	148 9 51	.50	N	N	<1.0	N	N	15	20	N	10
SR0601S	60 38 53	148 6 44	.30	N	N	<1.0	N	N	10	15	N	15
SR0602S	60 39 33	148 10 27	.50	N	N	N	N	N	10	5	N	5
SR0603S	60 34 54	148 7 0	.50	N	N	1.0	N	N	20	50	N	30
SR0604S	60 30 37	148 1 9	.70	N	N	<1.0	N	N	15	10	N	10
SR0605S	60 29 9	148 0 11	.50	N	N	<1.0	N	N	10	10	N	10
SR0606S	60 27 55	148 3 2	.50	N	N	1.0	N	N	15	15	N	20
SR0607S	60 26 49	147 58 30	1.00	N	N	<1.0	N	N	15	7	N	20
SR0608S	60 49 54	148 1 50	.30	N	N	1.0	N	N	N	5	N	5
SR0609S	60 52 54	147 57 21	.30	N	N	1.0	N	N	N	<5	N	5
SR0610S	60 53 30	148 2 51	.20	N	N	<1.0	N	N	N	5	N	5
SR0611S	60 31 4	148 13 26	.50	N	N	<1.0	N	N	15	15	N	15
SR0612S	60 29 53	148 24 15	.50	N	N	1.5	N	N	N	<5	N	N
SR0613S	60 31 2	148 26 9	.50	N	N	1.0	N	N	10	15	N	15
SR0614S	60 35 47	148 23 44	.70	N	N	<1.0	N	N	15	20	N	30
SR0615S	60 34 40	148 26 4	.70	N	N	<1.0	N	N	20	30	N	50
SR0616S	60 34 18	148 25 35	.70	N	N	<1.0	N	N	15	30	N	30
SR0617S	60 33 15	148 24 41	.70	N	N	<1.0	N	N	15	15	N	50
SR0618S	60 42 3	148 40 37	.50	N	N	<1.0	N	N	10	10	N	20
SR0619S	60 39 48	148 39 29	.30	N	N	N	N	N	10	15	N	20
SR0620S	60 50 35	148 30 47	.20	N	N	<1.0	N	N	10	15	N	30
SR0621S	60 50 31	148 35 45	.30	N	N	<1.0	N	N	10	15	N	20
SR0622S	60 49 17	148 39 5	.50	N	N	N	N	N	15	15	N	30
SR0623S	60 47 14	148 37 50	.50	N	N	<1.0	N	N	10	15	N	30
SR0624S	60 46 59	148 43 30	.20	N	N	<1.0	N	N	10	15	N	20

sample	S-PB	S-SB	S-SN	S-W	S-ZN	AA-AU-P	AA-CU-P	AA-PB-P	AA-ZN-P
SR0575S	N	N	N	N	N	N	20	10	60
SR0576S	N	N	N	N	N	N	15	10	55
SR0577S	N	N	N	N	N	N	25	15	60
SR0578S	N	N	N	N	N	N	25	15	65
SR0579S	N	N	N	N	N	N	25	15	65
SR0580S	N	N	N	N	N	N	20	10	50
SR0581S	N	N	N	N	N	N	20	15	70
SR0582S	N	N	N	N	N	N	30	10	60
SR0583S	N	N	N	N	N	N	15	10	50
SR0584S	15	N	N	N	N	N	35	20	90
SR0586S	N	N	N	N	N	N	40	20	95
SR0587S	N	N	N	N	N	N	15	15	85
SR0588S	N	N	N	N	N	N	25	20	80
SR0589S	10	N	N	N	N	N	40	35	110
SR0593S	15	N	N	N	N	N	45	25	90
SR0594S	10	N	N	N	N	N	40	30	95
SR0595S	<10	N	N	N	N	N	30	15	75
SR0596S	10	N	N	N	N	.25	30	20	75
SR0597S	10	N	N	N	N	.25	50	25	75
SR0598S	15	N	N	N	N	N	45	20	85
SR0600S	<10	N	N	N	N	N	20	10	55
SR0601S	<10	N	N	N	N	--	20	10	60
SR0602S	N	N	N	N	N	N	5	10	25
SR0603S	15	N	N	N	N	N	35	15	90
SR0604S	<10	N	N	N	N	N	10	10	30
SR0605S	10	N	N	N	N	N	10	15	45
SR0606S	10	N	N	N	N	N	15	15	80
SR0607S	<10	N	N	N	N	N	10	15	55
SR0608S	<10	N	N	N	N	N	10	10	25
SR0609S	<10	N	N	N	N	N	10	10	15
SR0610S	<10	N	N	N	N	N	10	10	35
SR0611S	10	N	N	N	N	N	25	20	75
SR0612S	<10	N	N	N	N	N	10	5	30
SR0613S	10	N	N	N	N	N	20	10	60
SR0614S	10	N	N	N	N	N	30	15	90
SR0615S	10	N	N	N	N	N	45	25	110
SR0616S	10	N	N	N	N	N	40	25	95
SR0617S	N	N	N	N	N	N	30	20	80
SR0618S	N	N	N	N	N	.20	30	10	65
SR0619S	N	N	N	N	N	N	30	10	65
SR0620S	N	N	N	N	N	.15	50	15	95
SR0621S	<10	N	N	N	N	N	50	15	65
SR0622S	<10	N	N	N	N	N	35	20	75
SR0623S	<10	N	N	N	N	N	30	30	85
SR0624S	<10	N	N	N	N	.40	40	15	85

sample	LATITUDE	LONGITUD	S-TIX	S-AG	S-AS	S-BE	S-BI	S-CD	S-CO	S-CU	S-MO	S-NI
SR0625S	60 49 45	148 25 5	.30	N	N	<1.0	N	N	10	20	N	30
SR0626S	60 48 11	148 29 9	.50	N	N	1.0	N	N	15	50	N	50
SR0627S	60 41 30	148 36 20	.50	N	N	1.0	N	N	10	15	N	30
SR0628S	60 44 35	148 33 10	.50	N	N	<1.0	N	N	15	15	N	30
SR0629S	60 44 56	148 28 0	.50	N	N	<1.0	N	N	10	15	N	30
SR0630S	60 41 54	148 24 5	.30	N	N	<1.0	N	N	10	15	N	20
SR0631S	60 39 20	148 28 50	.50	N	N	<1.0	N	N	15	15	N	30
SR0632S	60 37 58	148 28 39	.30	N	N	<1.0	N	N	10	15	N	20
SR0633S	60 38 35	148 21 25	.70	N	N	<1.0	N	N	20	30	N	50
SR0634S	60 52 50	149 15 41	.50	N	N	<1.0	N	N	15	50	N	30
SR0635S	60 50 39	149 12 39	.70	N	N	<1.0	N	N	15	30	N	50
SR0636S	60 52 14	149 9 18	.30	N	N	<1.0	N	N	15	30	N	30
SR0638S	60 51 2	148 53 31	.30	N	N	<1.0	N	N	10	20	N	30
SR0639S	60 52 22	148 43 50	.30	N	N	<1.0	N	N	10	20	N	30
SR0640S	60 53 39	148 43 55	.30	N	N	<1.0	N	N	15	30	N	30
SR0641S	60 58 27	148 45 16	.30	N	N	<1.0	N	N	15	30	N	30
SR0642S	60 57 57	148 53 20	.30	N	N	<1.0	N	N	15	20	N	30
SR0643S	60 57 51	149 1 6	.50	N	N	<1.0	N	N	20	30	N	70
SR0644S	60 38 52	149 23 54	.30	N	N	<1.0	N	N	15	30	N	30
SR0645S	60 34 53	149 24 2	.30	N	N	<1.0	N	N	15	30	N	30
SR0646S	60 37 33	149 23 59	.30	N	N	<1.0	N	N	15	30	N	30
BS0530S	59 47 9	149 47 25	.10	N	N	<1.0	N	N	N	<5	N	10
BS0531S	59 51 16	149 48 52	.30	N	N	<1.0	N	N	15	30	N	30
BS0532S	59 49 4	149 38 26	.30	N	N	<1.0	N	N	15	30	N	30
BS0533S	59 52 59	149 44 57	.30	N	N	<1.0	N	N	15	30	N	30
BS0534S	59 54 53	149 44 54	.30	N	N	<1.0	N	N	20	30	N	50
BS0535S	59 56 12	149 44 14	.20	N	N	<1.0	N	N	10	15	N	10
BS0536S	59 57 20	149 42 29	.10	N	N	N	N	N	10	10	N	20
BS0537S	59 56 9	149 40 10	.50	N	N	<1.0	N	N	15	20	N	30
BS0538S	59 54 42	149 39 2	.30	N	N	<1.0	N	N	15	15	N	30
BS0539S	59 54 5	149 34 5	.20	N	N	<1.0	N	N	15	15	N	30
BS0540S	59 55 26	149 33 20	.30	N	N	<1.0	N	N	15	20	N	30
BS0541S	59 58 33	149 32 3	.50	N	N	<1.0	N	N	15	15	N	30
BS0542S	59 59 53	149 32 54	.20	N	N	<1.0	N	N	10	15	N	20
BS0528S	59 56 47	148 7 24	.30	N	N	<1.0	N	N	20	15	N	30
BS0529S	59 57 5	148 10 18	.20	N	N	<1.0	N	N	10	<5	N	20
BS0560S	59 58 3	148 6 34	.30	N	N	<1.0	N	N	15	7	N	20
BS0562S	59 57 32	148 48 5	.20	N	N	<1.0	N	N	10	20	N	30
BS0563S	59 59 16	148 48 27	.30	N	N	<1.0	N	N	10	15	N	30
BS0564S	59 58 45	148 41 44	.20	N	N	<1.0	N	N	10	10	N	20
BS0565S	59 58 22	148 35 14	.30	N	N	1.0	N	N	10	10	N	20
BS0568S	59 58 50	148 27 51	.20	N	N	N	N	N	10	5	N	15

sample	S-PB	S-SB	S-SN	S-W	S-ZN	AA-AU-P	AA-CU-P	AA-PB-P	AA-ZN-P
SR0625S	15	N	N	N	N	N	35	25	100
SR0626S	10	N	N	N	N	.10	30	20	95
SR0627S	10	N	N	N	N	N	35	15	75
SR0628S	10	N	N	N	N	N	35	20	90
SR0629S	10	N	N	N	N	N	25	15	65
SR0630S	10	N	N	N	N	N	40	20	100
SR0631S	10	N	N	N	N	N	40	20	90
SR0632S	<10	N	N	N	N	N	35	20	75
SR0633S	10	N	N	N	N	N	50	25	110
SR0634S	<10	N	N	N	N	N	65	25	130
SR0635S	10	N	N	N	N	.05	55	20	110
SR0636S	10	N	N	N	N	N	45	20	100
SR0638S	<10	N	N	N	N	N	35	20	85
SR0639S	<10	N	N	N	N	N	50	20	100
SR0640S	10	N	N	N	N	N	50	25	95
SR0641S	N	N	N	N	N	N	40	20	110
SR0642S	N	N	N	N	N	N	35	20	80
SR0643S	<10	N	N	N	N	N	50	20	110
SR0644S	N	N	N	N	N	N	45	20	110
SR0645S	N	N	N	N	N	N	45	20	95
SR0646S	<10	N	N	N	N	N	45	20	95
BS0530S	<10	N	N	N	N	N	15	5	25
BS0531S	<10	N	N	N	N	N	55	10	100
BS0532S	10	N	N	N	N	N	40	15	75
BS0533S	<10	N	N	N	N	N	55	10	90
BS0534S	<10	N	N	N	N	N	45	15	80
BS0535S	N	N	N	N	N	N	40	10	80
BS0536S	N	N	N	N	N	N	30	15	80
BS0537S	N	N	N	N	N	N	35	15	65
BS0538S	<10	N	N	N	N	N	30	10	65
BS0539S	<10	N	N	N	N	N	30	10	55
BS0540S	<10	N	N	N	N	N	35	10	65
BS0541S	<10	N	N	N	N	N	30	10	75
BS0542S	N	N	N	N	N	N	30	10	75
BS0528S	N	N	N	N	N	N	25	5	35
BS0529S	N	N	N	N	N	N	15	5	35
BS0560S	N	N	N	N	N	N	20	5	65
BS0562S	<10	N	N	N	N	N	40	25	95
BS0563S	N	N	N	N	N	N	40	20	70
BS0564S	N	N	N	N	N	N	25	15	60
BS0565S	N	N	N	N	N	N	25	15	75
BS0568S	N	N	N	N	N	N	20	20	75

sample	LATITUDE	LONGITUD	(.005) S-TI%	(1) S-AG	(500) S-AS	(20) S-AU	(50) S-BA	(2) S-BE	(20) S-BI	(50) S-CD	(10) S-CO
BS0128C3	59 54 47	149 16 14	.15	N	N	--	--	N	N	N	10
BS0129C3	59 52 45	149 16 36	.15	N	N	--	--	N	N	N	70
BS0131C3	59 52 37	149 16 59	.15	N	N	--	--	N	N	N	10
BS0132C3	59 54 55	149 17 32	.20	N	N	--	--	N	N	N	20
BS0133C3	59 55 41	149 17 49	.15	N	N	--	--	N	N	N	10
BS0134C3	59 56 36	149 17 25	.10	N	N	--	--	N	N	N	70
BS0135C3	59 57 43	149 16 58	.10	N	N	--	--	N	N	N	70
BS0243C3	59 59 0	149 1 20	>1.00	N	N	N	700	2	N	N	50
BS0244C3	59 58 35	148 58 59	>1.00	N	N	N	500	2	N	N	100
BS0252C3	59 58 54	149 25 19	>1.00	N	N	N	500	2	N	N	20
BS0253C3	59 58 31	149 25 50	>1.00	<1	N	N	500	<2	N	N	70
BS0255C3	59 58 18	149 29 27	>1.00	N	N	N	200	<2	N	N	100
BS0256C3	59 57 47	149 30 25	>1.00	N	500	N	700	2	N	N	100
BS0328C3	59 59 36	147 58 36	>1.00	N	N	N	300	2	N	N	70
BS0329C3	59 59 30	147 58 50	>1.00	N	N	N	1,000	2	N	N	100
BS0331C3	59 58 19	148 1 45	>1.00	N	N	N	700	<2	N	N	30
BS0351C3	59 58 22	147 39 14	>1.00	N	N	N	150	<2	N	N	50
BS0352C3	59 56 35	147 39 34	>1.00	<1	N	N	1,000	<2	N	N	30
BS0353C3	59 53 56	147 43 27	>1.00	N	N	N	150	<2	N	N	20
BS0354C3	59 52 23	147 46 35	>1.00	N	N	N	300	<2	N	N	50
BS0356C3	59 48 28	147 44 4	1.00	2	N	N	>5,000	<2	N	N	100
BS0357C3	59 51 10	147 36 50	>1.00	N	N	N	3,000	2	N	N	50
BS0528C3	59 56 47	148 7 24	.70	N	N	N	100	<2	N	N	15
BS0529C3	59 57 5	148 10 18	.70	N	N	N	100	<2	N	N	15
BS0530C3	59 47 9	149 47 25	.70	N	N	N	100	3	N	N	10
BS0531C3	59 51 16	149 48 52	1.00	N	500	N	150	3	N	N	20
BS0533C3	59 52 59	149 44 57	.70	N	2,000	N	100	3	N	N	30
BS0534C3	59 54 53	149 44 54	>1.00	N	1,000	N	150	2	N	N	15
BS0535C3	59 56 12	149 44 14	>1.00	3	>10,000	N	200	3	100	N	100
BS0536C3	59 57 20	149 42 29	>1.00	N	<500	N	200	2	N	N	10
BS0537C3	59 56 9	149 40 10	>1.00	N	N	N	500	<2	N	N	15
BS0538C3	59 54 42	149 39 2	1.00	N	N	N	200	2	N	N	<10
BS0539C3	59 54 5	149 34 5	1.00	N	5,000	N	150	2	N	N	20
BS0540C3	59 55 26	149 33 20	>1.00	N	<500	N	200	2	N	N	50
BS0541C3	59 58 33	149 32 3	>1.00	N	N	N	300	2	N	N	20
BS0542C3	59 59 53	149 32 54	>1.00	N	N	N	700	2	N	N	15
BS0559C3	59 57 42	148 8 58	.70	N	N	N	<50	N	N	N	15
BS0560C3	59 58 3	148 6 34	>1.00	N	N	N	500	2	N	N	20
BS0561C3	59 59 30	148 4 42	.50	N	N	N	50	<2	N	N	15
BS0562C3	59 57 32	148 48 5	>1.00	N	N	N	700	<2	N	N	30
BS0563C3	59 59 16	148 48 27	>1.00	N	N	N	1,000	2	N	N	15
BS0564C3	59 58 45	148 41 44	.70	N	N	N	1,000	2	N	N	<10
BS0565C3	59 58 22	148 35 14	>1.00	N	N	N	1,500	2	N	N	15
BS0568C3	59 58 50	148 27 51	>1.00	N	N	N	1,000	2	N	N	20
SR0001C3	60 52 36	149 1 59	>1.00	N	1,000	N	--	N	N	N	20

sample	(10) S-CU	(10) S-MO	(10) S-NI	(20) S-PB	(200) S-SB	(20) S-SN	(100) S-W		
BS0128C3	<10	N	10	N	N	N	N	--	--
BS0129C3	70	N	50	30	N	N	N	--	--
BS0131C3	20	N	30	N	N	N	N	--	--
BS0132C3	30	N	50	N	N	N	N	--	--
BS0133C3	<10	N	10	N	N	N	N	--	--
BS0134C3	20	N	50	150	N	>1,000	N	--	--
BS0135C3	50	N	20	30	N	N	N	--	--
BS0243C3	150	N	150	70	N	N	N	--	--
BS0244C3	150	N	100	50	N	N	N	--	--
BS0252C3	150	N	70	50	N	N	N	--	--
BS0253C3	200	N	150	200	N	N	N	--	--
BS0255C3	300	N	150	70	N	N	N	--	--
BS0256C3	200	N	150	70	N	N	N	--	--
BS0328C3	150	N	70	50	N	N	N	--	--
BS0329C3	500	N	100	100	N	N	N	--	--
BS0331C3	150	N	50	50	N	N	N	--	--
BS0351C3	150	<10	200	70	N	N	N	--	--
BS0352C3	150	N	100	100	N	N	N	--	--
BS0353C3	100	N	70	70	N	N	N	--	--
BS0354C3	150	N	70	70	N	N	N	--	--
BS0356C3	150	N	200	70	N	N	N	--	--
BS0357C3	100	N	100	70	N	N	N	--	--
BS0528C3	10	N	20	20	N	N	N	--	--
BS0529C3	10	N	50	20	N	N	N	--	--
BS0530C3	10	N	10	<20	N	N	N	--	--
BS0531C3	200	N	20	<20	N	N	200	--	--
BS0533C3	300	N	30	<20	N	N	200	--	--
BS0534C3	300	N	20	70	N	N	<100	--	--
BS0535C3	1,000	N	50	70	N	200	1,000	--	--
BS0536C3	30	N	20	20	N	N	N	--	--
BS0537C3	100	<10	20	20	N	N	N	--	--
BS0538C3	30	N	N	<20	N	N	N	--	--
BS0539C3	300	N	20	100	N	150	100	--	--
BS0540C3	200	N	50	100	N	N	N	--	--
BS0541C3	300	N	70	50	N	N	N	--	--
BS0542C3	70	N	20	20	N	N	N	--	--
BS0559C3	<10	N	20	<20	N	N	N	--	--
BS0560C3	200	N	30	30	N	N	N	--	--
BS0561C3	<10	N	20	<20	N	N	N	--	--
BS0562C3	100	N	100	30	N	N	N	--	--
BS0563C3	200	N	50	100	N	N	<100	--	--
BS0564C3	50	N	<10	30	N	N	N	--	--
BS0565C3	30	N	30	70	N	N	N	--	--
BS0568C3	150	N	50	70	N	N	N	--	--
SR0001C3	150	N	70	N	N	N	N	--	--

sample	LATITUDE	LONGITUD	S-TI%	S-AG	S-AS	S-AU	S-BA	S-BE	S-BI	S-CD	S-CO
SR0002C3	60 53 21	149 2 35	>1.00	7	1,500	N	--	N	N	N	150
SR0003C3	60 54 41	149 4 54	>1.00	N	N	N	--	N	N	N	20
SR0004C3	60 55 9	149 6 51	.70	N	N	N	--	5	N	N	70
SR0005C3	60 58 10	149 8 2	>1.00	100	1,000	700	--	5	N	N	70
SR0007C3	60 59 57	149 29 58	>1.00	15	N	70	--	5	N	N	20
SR0008C3	60 59 8	149 34 32	.70	N	N	N	--	5	N	N	20
SR0010C3	60 46 15	148 50 17	>1.00	15	500	70	--	5	N	N	70
SR0011C3	60 55 45	149 39 29	>1.00	N	N	N	--	5	N	N	10
SR0017C3	60 54 15	149 26 17	>1.00	20	N	150	--	2	N	N	10
SR0018C3	60 52 15	149 26 8	>1.00	N	N	N	--	5	N	N	20
SR0019C3	60 49 4	149 25 49	>1.00	15	N	150	--	2	N	N	10
SR0020C3	60 45 41	149 27 47	>1.00	N	N	N	--	2	N	N	10
SR0021C3	60 45 25	149 27 51	>1.00	N	N	N	--	2	N	N	10
SR0022C3	60 45 2	149 28 5	>1.00	5	1,500	70	--	2	N	N	30
SR0023C3	60 59 26	149 21 29	>1.00	10	N	N	--	2	N	N	20
SR0024C3	60 58 54	149 16 0	>1.00	N	3,000	N	--	5	N	N	20
SR0025C3	60 47 0	149 32 39	>1.00	700	>10,000	>500	--	5	N	N	20
SR0029C3	60 50 58	149 31 49	>1.00	150	>10,000	>500	--	2	N	N	70
SR0032C3	60 54 55	149 36 5	>1.00	150	>10,000	>500	--	5	N	N	20
SR0033C3	60 46 24	149 40 59	>1.00	20	1,500	150	--	5	N	N	10
SR0034C3	60 47 2	149 40 31	>1.00	5	N	N	--	5	N	N	10
SR0035C3	60 48 16	149 39 24	>1.00	2	N	N	--	5	N	N	10
SR0036C3	60 50 26	149 38 3	>1.00	N	N	N	--	5	N	N	10
SR0037C3	60 50 30	149 38 11	>1.00	N	N	N	--	5	N	N	20
SR0038C3	60 50 29	149 38 4	>1.00	N	N	N	--	5	N	N	10
SR0040C3	60 53 40	149 29 40	>1.00	30	N	N	--	5	N	N	20
SR0041C3	60 53 8	149 29 31	>1.00	N	N	--	--	5	N	N	10
SR0042C3	60 53 26	149 29 25	>1.00	N	N	--	--	5	N	N	10
SR0043C3	60 52 5	149 32 21	>1.00	150	>10,000	--	--	5	N	N	10
SR0044C3	60 50 44	149 32 48	>1.00	N	N	--	--	5	N	N	10
SR0045C3	60 48 34	149 34 45	--	20	N	20	--	N	N	N	50
SR0046C3	60 59 31	149 15 23	>1.00	N	3,000	--	--	5	N	N	30
SR0047C3	60 45 5	149 14 42	--	N	1,500	N	--	N	N	N	50
SR0048C3	60 45 32	149 14 9	>1.00	150	2,000	--	--	5	N	N	20
SR0049C3	60 45 46	149 13 39	>1.00	>5,000	N	--	--	5	N	N	10
SR0050C3	60 46 48	149 12 52	--	N	3,000	N	--	N	N	N	50
SR0051C3	60 46 40	149 12 51	--	N	5,000	N	--	N	N	N	50
SR0059C3	60 23 45	149 40 54	>1.00	100	N	--	--	5	N	N	15
SR0062C3	60 26 20	149 42 30	>1.00	15	N	--	--	5	N	N	10
SR0063C3	60 29 12	149 46 51	>1.00	20	N	--	--	5	N	N	10
SR0064C3	60 29 17	149 58 5	>1.00	15	N	--	--	5	N	N	10
SR0065C3	60 28 37	149 52 35	--	N	N	N	--	N	100	N	20
SR0066C3	60 29 39	149 50 20	>1.00	7	N	--	--	5	N	N	10
SR0067C3	60 29 47	149 46 17	>1.00	5	N	--	--	5	N	N	15
SR0069C3	60 4 54	149 26 30	>1.00	N	2,000	--	--	5	N	N	30

Nonmagnetic heavy-mineral concentrates--continued

sample	S-CU	S-MO	S-NI	S-PB	S-SB	S-SN	S-W		
SR0002C3	500	N	500	N	N	N	N	--	--
SR0003C3	50	N	30	700	N	N	N	--	--
SR0004C3	70	N	150	3,000	300	100	N	--	--
SR0005C3	70	N	100	10	N	N	1,500	--	--
SR0007C3	100	N	70	70	N	N	N	--	--
SR0008C3	70	N	50	700	N	N	N	--	--
SR0010C3	150	N	70	100	N	N	1,500	--	--
SR0011C3	30	N	30	50	N	N	1,000	--	--
SR0017C3	20	N	30	50	N	N	200	--	--
SR0018C3	50	N	70	<50	N	N	300	--	--
SR0019C3	70	N	30	700	N	N	N	--	--
SR0020C3	50	N	30	150	N	N	N	--	--
SR0021C3	30	N	30	500	N	N	N	--	--
SR0022C3	70	N	150	150	N	N	N	--	--
SR0023C3	70	N	N	500	N	N	100	--	--
SR0024C3	70	N	50	300	N	N	150	--	--
SR0025C3	30	N	N	700	200	N	1,000	--	--
SR0029C3	100	N	150	5,000	200	150	N	--	--
SR0032C3	>20,000	N	50	5,000	500	700	2,000	--	--
SR0033C3	100	N	N	200	N	30	1,500	--	--
SR0034C3	70	N	N	70	N	N	N	--	--
SR0035C3	70	N	N	700	N	N	1,500	--	--
SR0036C3	70	N	50	70	N	N	100	--	--
SR0037C3	70	N	50	700	N	N	N	--	--
SR0038C3	30	N	50	70	N	N	N	--	--
SR0040C3	70	N	70	70	N	70	1,000	--	--
SR0041C3	30	N	30	20	N	N	N	--	--
SR0042C3	50	N	30	15,000	500	N	N	--	--
SR0043C3	150	N	50	10,000	1,000	N	500	--	--
SR0044C3	50	N	50	200	N	N	N	--	--
SR0045C3	50	N	100	10,000	N	N	N	--	--
SR0046C3	200	N	50	100	N	N	100	--	--
SR0047C3	150	N	100	500	N	>1,000	N	--	--
SR0048C3	100	N	50	700	N	N	N	--	--
SR0049C3	30	N	30	300	N	N	N	--	--
SR0050C3	200	N	70	70	N	N	700	--	--
SR0051C3	100	N	70	150	N	N	300	--	--
SR0059C3	50	N	30	70	N	N	N	--	--
SR0062C3	30	N	50	70	N	N	N	--	--
SR0063C3	30	N	30	70	N	N	100	--	--
SR0064C3	15	N	30	50	N	N	N	--	--
SR0065C3	150	N	N	>20,000	1,000	N	N	--	--
SR0066C3	10	N	50	20	N	N	N	--	--
SR0067C3	50	N	50	100	N	N	300	--	--
SR0069C3	70	N	50	20	N	N	N	--	--

sample	LATITUDE	LONGITUD	S-TI%	S-AG	S-AS	S-AU	S-BA	S-BE	S-BI	S-CD	S-CO
SR0072C3	60 10 3	149 24 10	>1.00	N	N	--	--	5	N	N	10
SR0074C3	60 20 26	149 22 18	>1.00	15	5,000	--	--	5	N	N	10
SR0076C3	60 21 25	149 20 48	1.00	7	3,000	--	--	5	N	N	150
SR0077C3	60 22 40	149 20 52	>1.00	15	3,000	--	--	5	N	N	70
SR0078C3	60 24 20	149 21 36	--	N	N	N	--	N	N	N	20
SR0079C3	60 25 53	149 22 3	>1.00	15	5,000	--	--	5	N	N	30
SR0086C3	60 30 51	149 28 1	>1.00	N	N	--	--	5	N	N	10
SR0110C3	60 29 17	149 41 58	>1.00	5	N	--	--	5	N	N	10
SR0111C3	60 29 48	149 40 38	>1.00	5	N	--	--	5	N	N	10
SR0116C3	60 10 9	149 28 44	>1.00	5	N	--	--	5	N	N	10
SR0117C3	60 10 36	149 31 39	>1.00	N	N	--	--	5	N	N	30
SR0118C3	60 6 10	149 27 20	--	7	5,000	20	--	N	N	N	50
SR0119C3	60 6 29	149 6 55	>1.00	1	N	--	--	5	N	N	50
SR0120C3	60 3 11	149 7 35	>1.00	N	N	--	--	5	N	N	10
SR0121C3	60 3 15	149 7 19	>1.00	N	N	--	--	5	N	N	10
SR0122C3	60 2 0	149 8 59	.10	N	N	N	--	N	N	N	10
SR0122C3	60 2 0	149 8 59	--	N	N	N	--	N	N	N	20
SR0123C3	60 4 0	149 10 18	.70	N	N	--	--	5	N	N	50
SR0124C3	60 1 30	149 10 0	.50	N	N	N	--	N	N	N	30
SR0124C3	60 1 30	149 10 0	--	N	N	N	--	N	N	N	50
SR0125C3	60 2 11	149 10 14	.50	N	N	--	--	2	N	N	10
SR0127C3	60 0 38	149 11 57	.70	N	N	--	--	N	N	N	10
SR0136C3	60 0 0	149 17 25	.15	N	N	--	--	N	N	N	10
SR0137C3	60 2 17	149 16 59	.20	N	N	--	--	N	N	N	10
SR0138C3	60 1 31	149 17 0	.30	N	N	--	--	N	N	N	20
SR0139C3	60 0 52	149 18 29	1.00	N	N	--	--	5	N	N	10
SR0140C3	60 2 40	149 18 34	.70	N	N	--	--	5	N	N	10
SR0141C3	60 4 14	149 20 11	1.00	N	N	--	--	7	N	N	10
SR0142C3	60 5 48	149 16 23	.30	N	N	--	--	2	N	N	10
SR0143C3	60 5 41	149 16 27	.70	N	N	--	--	7	N	N	10
SR0144C3	60 6 7	149 17 44	>1.00	N	N	--	--	5	N	N	N
SR0146C3	60 7 26	149 19 33	.70	N	N	--	--	5	N	N	10
SR0148C3	60 37 5	149 13 41	>1.00	15	1,000	--	--	2	N	N	15
SR0150C3	60 36 57	149 14 56	>1.00	N	N	--	--	5	N	N	15
SR0151C3	60 37 14	149 14 4	>1.00	N	N	--	--	5	N	N	10
SR0152C3	60 36 18	149 14 47	>1.00	N	N	--	--	5	N	N	10
SR0153C3	60 35 34	149 15 43	>1.00	N	N	--	--	5	N	N	20
SR0154C3	60 43 57	149 21 20	--	2	N	N	--	N	N	N	20
SR0155C3	60 43 32	149 21 29	--	N	N	N	--	N	N	N	20
SR0156C3	60 47 4	149 25 28	--	N	N	N	--	N	N	N	20
SR0158C3	60 52 27	149 24 50	>1.00	2	N	N	1,000	2	N	N	50
SR0159C3	60 51 18	149 25 10	>1.00	N	N	N	1,500	2	N	N	70
SR0160C3	60 39 6	149 40 45	>1.00	N	N	N	700	2	N	N	20
SR0161C3	60 42 8	149 44 44	>1.00	N	N	N	500	<2	N	N	10
SR0162C3	60 41 3	149 45 39	>1.00	N	N	N	200	2	N	N	10

Nonmagnetic heavy-mineral concentrates--continued

sample	S-CU	S-MO	S-NI	S-PB	S-SB	S-SN	S-W		
SR0072C3	30	N	30	20	N	N	300	--	--
SR0074C3	3,000	N	30	700	N	N	N	--	--
SR0076C3	500	N	70	70	N	N	N	--	--
SR0077C3	300	N	70	150	N	N	N	--	--
SR0078C3	15	N	30	200	N	N	N	--	--
SR0079C3	70	N	30	50	N	N	N	--	--
SR0086C3	20	N	30	20	N	N	N	--	--
SR0110C3	70	N	30	3,000	N	N	N	--	--
SR0111C3	7,000	N	50	300	N	N	N	--	--
SR0116C3	150	N	30	50	N	N	N	--	--
SR0117C3	100	N	10	70	N	N	N	--	--
SR0118C3	100	N	150	20,000	500	N	N	--	--
SR0119C3	200	N	150	100	N	N	N	--	--
SR0120C3	70	N	50	30	N	N	N	--	--
SR0121C3	50	N	30	20	N	N	N	--	--
SR0122C3	30	N	100	N	N	N	N	--	--
SR0122C3	30	N	70	<20	N	N	N	--	--
SR0123C3	70	N	30	N	N	N	N	--	--
SR0124C3	30	N	300	N	N	N	N	--	--
SR0124C3	30	N	200	<20	N	N	N	--	--
SR0125C3	30	N	30	N	N	N	N	--	--
SR0127C3	15	N	20	N	N	N	N	--	--
SR0136C3	500	N	20	N	N	N	N	--	--
SR0137C3	30	N	20	N	N	N	N	--	--
SR0138C3	150	N	30	N	N	N	N	--	--
SR0139C3	30	N	50	N	N	N	500	--	--
SR0140C3	20	N	30	20	N	N	N	--	--
SR0141C3	50	N	30	20	N	N	N	--	--
SR0142C3	N	30	--	N	N	N	N	--	--
SR0143C3	N	30	--	N	N	N	N	--	--
SR0144C3	N	30	--	70	N	N	N	--	--
SR0146C3	N	30	--	N	N	N	N	--	--
SR0148C3	N	30	--	20	N	N	N	--	--
SR0150C3	N	30	--	20	N	N	N	--	--
SR0151C3	N	30	--	30	N	N	N	--	--
SR0152C3	N	30	--	N	N	N	N	--	--
SR0153C3	N	30	--	N	N	N	N	--	--
SR0154C3	50	N	70	5,000	N	N	N	--	--
SR0155C3	100	N	100	150	N	N	N	--	--
SR0156C3	30	N	70	150	N	N	N	--	--
SR0158C3	300	N	200	300	N	N	N	--	--
SR0159C3	300	N	200	150	N	N	<100	--	--
SR0160C3	150	N	50	70	N	50	N	--	--
SR0161C3	100	N	10	50	N	300	N	--	--
SR0162C3	100	N	10	50	N	N	N	--	--

Nonmagnetic heavy-mineral concentrates--continued

sample	LATITUDE	LONGITUD	S-TI%	S-AG	S-AS	S-AU	S-BA	S-BE	S-BI	S-CD	S-CO
SR0163C3	60 41 12	149 45 51	>1.00	N	N	N	500	2	N	N	10
SR0164C3	60 41 51	149 45 50	>1.00	<1	N	<20	300	<2	N	N	10
SR0165C3	60 41 42	149 38 31	>1.00	N	N	N	1,500	<2	N	N	20
SR0166C3	60 43 27	149 41 25	>1.00	1,000	N	>500	500	<2	N	N	20
SR0167C3	60 43 27	149 43 35	>1.00	30	N	70	500	2	N	N	20
SR0169C3	60 46 36	149 41 4	>1.00	50	N	300	1,000	2	N	N	10
SR0170C3	60 48 38	149 36 55	>1.00	500	N	>500	700	2	N	N	15
SR0171C3	60 47 4	149 22 30	>1.00	5,000	N	>500	700	2	N	N	15
SR0172C3	60 43 14	149 30 20	>1.00	30	N	50	1,500	<2	N	N	20
SR0173C3	60 40 30	149 26 54	>1.00	3	N	<20	1,500	2	N	N	20
SR0174C3	60 50 9	149 40 49	>1.00	N	N	N	5,000	2	N	N	20
SR0175C3	60 52 1	149 41 15	>1.00	N	N	N	300	2	N	N	50
SR0176C3	60 53 29	149 39 45	>1.00	N	N	N	200	<2	N	N	15
SR0177C3	60 57 47	149 45 39	>1.00	N	N	N	200	2	N	N	20
SR0178C3	60 54 56	149 38 36	>1.00	N	N	N	700	2	N	N	20
SR0179C3	60 32 8	149 19 0	>1.00	N	N	N	1,500	2	N	N	20
SR0180C3	60 31 59	149 21 0	>1.00	50	N	100	500	2	N	N	15
SR0181C3	60 32 26	149 19 27	>1.00	N	N	N	500	<2	N	N	20
SR0182C3	60 31 59	149 19 9	>1.00	N	N	N	1,500	<2	N	N	20
SR0183C3	60 31 17	149 13 59	>1.00	N	N	N	1,500	<2	N	N	70
SR0184C3	60 33 5	149 14 13	>1.00	N	N	N	1,500	<2	N	N	70
SR0185C3	60 31 5	149 4 30	>1.00	<1	N	N	1,500	2	N	N	20
SR0186C3	60 31 55	149 4 24	>1.00	2	700	N	>5,000	2	N	N	200
SR0187C3	60 32 3	149 6 38	>1.00	2	1,500	N	1,000	2	N	N	200
SR0188C3	60 34 35	149 6 29	>1.00	N	700	N	>5,000	<2	N	N	100
SR0189C3	60 10 3	149 31 35	>1.00	N	N	N	300	2	N	N	10
SR0190C3	60 10 14	149 35 44	>1.00	<1	N	N	500	<2	N	N	20
SR0191C3	60 10 9	149 36 0	1.00	2	N	N	2,000	<2	N	N	100
SR0192C3	60 6 51	149 34 50	>1.00	<1	N	N	300	2	N	N	20
SR0193C3	60 6 47	149 35 2	>1.00	N	N	N	300	<2	N	N	10
SR0194C3	60 10 50	149 37 59	.50	7	3,000	N	300	<2	N	N	700
SR0195C3	60 13 59	149 39 15	>1.00	150	2,000	>500	1,500	2	N	N	300
SR0196C3	60 14 27	149 38 20	>1.00	<1	N	N	500	<2	N	N	300
SR0197C3	60 15 2	149 40 22	1.00	150	>10,000	300	5,000	<2	20	N	500
SR0198C3	60 15 56	149 41 36	>1.00	20	7,000	N	1,000	<2	<20	N	500
SR0199C3	60 18 37	149 38 15	>1.00	<1	N	N	200	2	N	N	50
SR0200C3	60 16 45	149 40 15	>1.00	15	7,000	30	200	<2	N	N	300
SR0201C3	60 16 9	149 32 42	>1.00	<1	N	N	1,000	2	N	N	200
SR0202C3	60 16 15	149 32 48	>1.00	50	N	150	500	2	N	N	20
SR0203C3	60 18 15	149 46 8	>1.00	200	1,000	>500	300	<2	<20	N	<10
SR0204C3	60 18 42	149 49 18	>1.00	N	N	N	300	<2	N	N	<10
SR0206C3	60 21 42	149 43 49	1.00	2	--	N	1,000	<2	N	N	200
SR0207C3	60 22 17	149 43 8	>1.00	200	--	>500	1,500	<2	N	N	30
SR0208C3	60 23 14	149 31 9	1.00	150	--	500	>5,000	<2	N	N	200
SR0209C3	60 20 9	149 32 30	>1.00	N	--	N	500	<2	N	N	10

sample	S-CU	S-MO	S-NI	S-PB	S-SB	S-SN	S-W		
SR0163C3	10	N	10	50	N	N	N	--	--
SR0164C3	100	N	10	50	N	N	N	--	--
SR0165C3	150	N	10	50	N	N	150	--	--
SR0166C3	150	N	10	70	N	N	N	--	--
SR0167C3	150	N	<10	50	N	<20	N	--	--
SR0169C3	100	N	<10	50	N	20	N	--	--
SR0170C3	100	N	50	50	N	N	2,000	--	--
SR0171C3	100	N	30	50	N	N	100	--	--
SR0172C3	100	N	100	100	N	200	200	--	--
SR0173C3	100	15	50	70	N	N	300	--	--
SR0174C3	100	<10	50	50	N	N	N	--	--
SR0175C3	150	<10	30	50	N	N	N	--	--
SR0176C3	70	N	30	30	N	150	N	--	--
SR0177C3	100	15	70	30	N	N	N	--	--
SR0178C3	100	<10	50	700	N	N	N	--	--
SR0179C3	150	20	100	100	N	N	<100	--	--
SR0180C3	70	20	20	50	N	N	N	--	--
SR0181C3	200	<10	100	70	N	N	N	--	--
SR0182C3	150	15	50	50	N	N	N	--	--
SR0183C3	150	<10	100	70	N	N	N	--	--
SR0184C3	700	<10	100	50	N	N	N	--	--
SR0185C3	150	N	30	100	N	N	500	--	--
SR0186C3	700	N	500	500	N	N	N	--	--
SR0187C3	500	N	500	500	N	N	N	--	--
SR0188C3	300	N	150	100	N	N	1,000	--	--
SR0189C3	150	<10	20	50	N	N	N	--	--
SR0190C3	500	<10	20	70	N	<20	N	--	--
SR0191C3	500	N	200	500	N	N	N	--	--
SR0192C3	500	N	50	70	N	N	N	--	--
SR0193C3	300	N	20	50	N	N	N	--	--
SR0194C3	700	N	700	700	N	N	N	--	--
SR0195C3	700	N	300	1,000	N	N	N	--	--
SR0196C3	300	<10	200	200	N	N	N	--	--
SR0197C3	1,500	N	500	3,000	N	N	N	--	--
SR0198C3	1,000	N	500	2,000	N	N	N	--	--
SR0199C3	200	<10	70	150	N	N	N	--	--
SR0200C3	2,000	N	300	200	N	N	N	--	--
SR0201C3	200	10	150	150	N	N	N	--	--
SR0202C3	200	N	50	700	N	N	N	--	--
SR0203C3	150	<10	10	1,000	N	N	<100	--	--
SR0204C3	100	N	10	50	N	N	N	--	--
SR0206C3	300	N	200	500	N	N	<100	--	--
SR0207C3	1,000	N	50	500	N	N	200	--	--
SR0208C3	500	N	500	700	N	N	N	--	--
SR0209C3	100	N	10	70	N	N	N	--	--

sample	LATITUDE	LONGITUD	S-TI%	S-AG	S-AS	S-AU	S-BA	S-BE	S-BI	S-CD	S-CO
SR0210C3	60 20 21	149 31 0	>1.00	N	--	N	500	2	N	N	10
SR0211C3	60 22 27	149 27 34	>1.00	N	--	N	500	2	N	N	30
SR0212C3	60 19 0	149 19 40	>1.00	70	--	50	5,000	<2	N	N	100
SR0213C3	60 13 22	149 26 57	>1.00	N	--	N	700	<2	N	N	10
SR0214C3	60 10 46	149 25 59	>1.00	<1	--	N	500	2	N	N	100
SR0215C3	60 28 1	149 19 45	>1.00	200	--	>500	2,000	<2	N	N	100
SR0216C3	60 28 22	149 13 9	>1.00	1	--	N	1,000	<2	N	N	150
SR0217C3	60 28 33	149 6 56	.70	2	--	N	500	3	N	N	100
SR0218C3	60 27 39	149 8 30	>1.00	1	--	N	5,000	2	N	N	150
SR0219C3	60 27 45	149 8 30	>1.00	<1	--	N	2,000	2	N	N	50
SR0220C3	60 27 34	149 8 54	1.00	5	--	N	3,000	<2	N	N	150
SR0221C3	60 28 17	149 12 24	1.00	N	--	N	2,000	<2	N	N	30
SR0222C3	60 21 2	149 14 31	1.00	5	--	N	3,000	<2	20	N	1,000
SR0223C3	60 16 23	149 17 12	1.00	5	--	N	2,000	2	N	N	50
SR0224C3	60 16 48	149 15 20	>1.00	N	--	N	3,000	<2	N	N	50
SR0225C3	60 25 45	149 16 27	>1.00	N	--	N	3,000	<2	N	N	30
SR0226C3	60 34 59	149 0 15	>1.00	7	--	N	500	2	N	N	200
SR0227C3	60 39 0	149 2 25	1.00	7	--	N	1,500	<2	N	N	300
SR0228C3	60 39 19	149 2 48	>1.00	7	1,500	N	1,000	2	N	N	200
SR0229C3	60 39 38	149 2 57	>1.00	100	5,000	200	2,000	2	N	N	100
SR0230C3	60 41 39	148 57 50	>1.00	2	500	N	700	2	N	N	100
SR0231C3	60 41 57	149 0 1	>1.00	2	1,000	N	700	2	N	N	150
SR0232C3	60 40 46	149 10 0	.70	1	N	N	500	2	N	N	20
SR0233C3	60 16 45	149 13 45	1.00	N	N	N	5,000	2	N	N	20
SR0235C3	60 17 33	149 10 50	1.00	2	N	N	3,000	2	N	N	100
SR0236C3	60 18 15	149 6 44	1.00	10	500	N	3,000	2	N	N	500
SR0237C3	60 18 35	149 5 56	>1.00	3	1,000	N	1,000	2	N	N	300
SR0238C3	60 3 1	148 59 58	>1.00	N	N	N	500	2	N	N	100
SR0239C3	60 4 14	148 58 14	>1.00	N	500	N	700	2	N	N	15
SR0240C3	60 5 17	148 58 11	>1.00	N	N	N	1,000	2	N	N	15
SR0241C3	60 5 45	148 58 45	>1.00	1	1,000	N	700	2	N	N	100
SR0242C3	60 7 13	148 55 6	>1.00	<1	1,000	N	700	2	N	N	20
SR0245C3	60 1 55	148 53 44	>1.00	2	500	N	1,000	2	N	N	150
SR0246C3	60 1 24	148 53 49	>1.00	N	N	N	1,500	2	N	N	20
SR0247C3	60 0 51	148 54 24	>1.00	N	N	N	1,000	2	N	N	30
SR0248C3	60 3 16	149 29 34	>1.00	15	>10,000	N	700	2	20	N	30
SR0249C3	60 1 37	149 29 20	1.00	200	>10,000	>500	300	2	N	N	200
SR0250C3	60 2 40	149 26 58	>1.00	15	>10,000	N	200	<2	N	N	50
SR0259C3	60 19 4	149 4 45	1.00	5	5,000	N	1,000	2	N	N	150
SR0260C3	60 20 38	149 1 40	.50	5	500	N	2,000	2	N	N	100
SR0261C3	60 22 24	148 59 26	>1.00	<1	N	N	700	2	N	N	50
SR0262C3	60 23 20	149 0 55	1.00	5	2,000	--	300	2	N	N	200
SR0263C3	60 25 5	149 0 29	>1.00	15	5,000	--	200	2	N	N	200
SR0264C3	60 25 6	149 1 19	1.00	2	500	--	>5,000	2	N	N	70
SR0265C3	60 25 59	149 0 29	1.00	10	2,000	--	500	2	N	N	300

sample	S-CU	S-MO	S-NI	S-PB	S-SB	S-SN	S-W		
SR0210C3	100	N	10	70	N	100	N	--	--
SR0211C3	150	N	50	70	N	N	N	--	--
SR0212C3	500	N	100	100	N	N	N	--	--
SR0213C3	150	N	10	50	N	N	N	--	--
SR0214C3	300	N	200	70	N	N	N	--	--
SR0215C3	700	N	200	700	N	20	N	--	--
SR0216C3	150	N	50	20	N	N	N	--	--
SR0217C3	200	N	150	100	N	N	N	--	--
SR0218C3	200	N	200	200	N	N	N	--	--
SR0219C3	300	N	100	100	N	N	N	--	--
SR0220C3	200	N	500	200	N	N	N	--	--
SR0221C3	100	N	100	70	N	N	N	--	--
SR0222C3	200	N	200	500	N	N	200	--	--
SR0223C3	100	N	100	30	N	N	N	--	--
SR0224C3	200	N	50	100	N	N	100	--	--
SR0225C3	50	N	50	20	N	N	N	--	--
SR0226C3	700	N	500	700	200	N	N	--	--
SR0227C3	1,000	N	500	700	<200	N	N	--	--
SR0228C3	500	N	300	500	N	20	N	--	--
SR0229C3	1,000	N	200	200	N	N	200	--	--
SR0230C3	200	N	150	300	N	N	<100	--	--
SR0231C3	300	N	500	700	N	N	150	--	--
SR0232C3	150	N	50	200	N	N	100	--	--
SR0233C3	100	N	50	30	N	N	N	--	--
SR0235C3	150	N	100	700	N	N	N	--	--
SR0236C3	500	N	500	700	N	N	N	--	--
SR0237C3	500	N	500	500	N	N	N	--	--
SR0238C3	100	<10	30	50	N	N	N	--	--
SR0239C3	300	15	50	50	N	N	N	--	--
SR0240C3	150	N	50	50	N	N	100	--	--
SR0241C3	150	N	200	200	N	N	100	--	--
SR0242C3	500	N	50	150	N	N	<100	--	--
SR0245C3	1,000	N	200	500	N	N	N	--	--
SR0246C3	700	N	50	70	N	N	N	--	--
SR0247C3	300	<10	100	100	N	N	N	--	--
SR0248C3	1,000	N	100	2,000	N	N	N	--	--
SR0249C3	700	N	500	2,000	N	N	N	--	--
SR0250C3	10,000	N	150	100	N	N	N	--	--
SR0259C3	1,000	N	500	700	N	N	N	--	--
SR0260C3	1,000	N	500	700	N	N	N	--	--
SR0261C3	500	N	200	100	N	N	N	--	--
SR0262C3	500	N	700	700	N	N	N	--	--
SR0263C3	500	N	1,000	700	N	N	N	--	--
SR0264C3	700	N	100	150	N	N	N	--	--
SR0265C3	1,000	N	700	700	N	N	N	--	--

Nonmagnetic heavy-mineral concentrates--continued

sample	LATITUDE	LONGITUD	S-TI%	S-AG	S-AS	S-AU	S-BA	S-BE	S-BI	S-CD	S-CO
SR0266C3	60 26 35	149 0 29	1.00	<1	N	--	200	2	N	N	100
SR0267C3	60 26 21	149 2 9	>1.00	2	2,000	--	300	2	N	N	100
SR0268C3	60 53 6	149 46 0	>1.00	5	N	--	700	2	N	N	50
SR0270C3	60 53 56	149 57 5	1.00	N	N	--	200	2	N	N	15
SR0271C3	60 23 22	149 13 8	1.00	N	7,000	--	5,000	<2	N	N	15
SR0272C3	60 23 51	149 16 0	>1.00	5	N	--	1,500	2	N	N	100
SR0273C3	60 24 15	149 7 9	>1.00	<1	N	--	1,500	<2	N	N	150
SR0274C3	60 23 14	149 6 30	>1.00	10	N	--	>5,000	2	N	N	200
SR0275C3	60 22 33	149 8 29	1.00	5	N	--	>5,000	2	N	N	150
SR0276C3	60 22 30	149 8 32	1.00	N	<500	--	3,000	2	N	N	10
SR0277C3	60 13 37	149 16 22	1.00	20	N	--	1,500	2	30	N	50
SR0278C3	60 12 45	149 14 39	>1.00	N	N	--	2,000	2	N	N	10
SR0279C3	60 12 11	149 13 41	1.00	N	N	--	2,000	2	N	N	15
SR0280C3	60 11 48	149 12 30	>1.00	N	N	--	3,000	2	N	N	10
SR0281C3	60 11 35	149 10 59	>1.00	N	N	--	5,000	2	N	N	20
SR0282C3	60 11 54	149 8 34	1.00	N	1,000	--	2,000	2	N	N	15
SR0283C3	60 10 56	149 19 59	1.00	10	500	--	2,000	2	<20	N	200
SR0284C3	60 10 21	149 18 55	>1.00	N	1,000	--	3,000	2	N	N	20
SR0285C3	60 9 29	149 19 38	>1.00	N	N	--	1,500	2	N	N	20
SR0287C3	60 7 23	149 19 59	>1.00	N	N	N	1,500	<2	N	N	10
SR0288C3	60 2 9	149 12 50	1.00	N	N	N	<50	<2	N	N	20
SR0289C3	60 7 41	149 0 56	>1.00	N	N	N	1,500	<2	N	N	50
SR0290C3	60 8 14	149 1 14	.50	<1	N	N	>5,000	<2	N	N	20
SR0292C3	60 10 12	149 1 54	>1.00	2	N	N	3,000	<2	N	N	100
SR0293C3	60 10 32	149 3 59	.70	7	500	N	700	2	N	N	300
SR0294C3	60 10 50	149 4 51	>1.00	5	N	N	1,500	2	N	N	150
SR0295C3	60 11 5	149 2 21	>1.00	5	<500	N	700	<2	N	N	200
SR0296C3	60 12 37	149 1 46	>1.00	5	N	N	700	2	N	N	300
SR0297C3	60 11 52	149 6 15	>1.00	<1	N	N	2,000	2	N	N	50
SR0299C3	60 17 3	147 51 15	>1.00	N	N	N	150	<2	N	N	20
SR0300C3	60 16 59	147 48 54	1.00	N	N	N	50	<2	N	N	20
SR0301C3	60 18 37	147 46 59	1.00	5	N	N	100	<2	N	N	500
SR0302C3	60 18 46	147 45 46	1.00	N	N	N	100	<2	N	N	20
SR0303C3	60 19 14	147 43 54	1.00	N	N	N	100	<2	N	N	50
SR0304C3	60 20 20	147 45 15	.20	N	N	N	50	<2	N	N	10
SR0305C3	60 21 6	147 45 46	.50	N	N	N	50	<2	N	N	15
SR0307C3	60 20 11	147 48 20	.70	N	N	N	50	<2	N	N	15
SR0308C3	60 20 38	147 48 12	1.00	N	N	N	100	<2	N	N	50
SR0309C3	60 21 29	147 49 35	1.00	N	N	N	100	<2	N	N	50
SR0311C3	60 17 3	147 50 25	1.00	N	N	N	100	<2	N	N	20
SR0313C3	60 16 8	147 50 58	.70	N	N	N	100	<2	N	N	30
SR0314C3	60 15 29	147 52 30	.50	N	N	N	100	<2	N	N	15
SR0316C3	60 13 36	147 53 6	.50	N	N	N	100	<2	N	N	20
SR0317C3	60 14 39	147 48 20	.50	N	N	N	50	<2	N	N	15
SR0318C3	60 14 30	147 47 43	>1.00	N	N	N	150	<2	N	N	50

sample	S-CU	S-MO	S-NI	S-PB	S-SB	S-SN	S-W		
SR0266C3	200	N	100	100	N	N	N	--	--
SR0267C3	200	N	200	200	N	N	N	--	--
SR0268C3	150	<10	30	50	N	N	N	--	--
SR0270C3	20	N	20	20	N	N	N	--	--
SR0271C3	30	N	20	50	N	N	N	--	--
SR0272C3	700	N	200	500	N	N	N	--	--
SR0273C3	200	N	150	100	N	N	N	--	--
SR0274C3	500	N	500	500	N	N	N	--	--
SR0275C3	500	N	500	500	N	N	N	--	--
SR0276C3	50	N	30	30	N	N	N	--	--
SR0277C3	500	N	50	700	N	N	100	--	--
SR0278C3	50	N	30	30	N	N	N	--	--
SR0279C3	50	N	30	30	N	N	150	--	--
SR0280C3	50	N	30	70	N	N	N	--	--
SR0281C3	200	N	50	100	N	N	N	--	--
SR0282C3	50	N	30	150	N	N	N	--	--
SR0283C3	7,000	N	50	700	N	N	N	--	--
SR0284C3	300	N	50	50	N	N	N	--	--
SR0285C3	150	N	20	50	N	20	N	--	--
SR0287C3	20	N	20	70	N	<20	N	--	--
SR0288C3	50	N	30	<20	N	N	N	--	--
SR0289C3	100	N	100	100	N	N	N	--	--
SR0290C3	50	N	20	100	N	N	N	--	--
SR0292C3	300	N	200	200	N	N	N	--	--
SR0293C3	500	N	700	700	N	N	N	--	--
SR0294C3	500	N	500	500	N	N	N	--	--
SR0295C3	500	N	500	700	N	N	N	--	--
SR0296C3	500	N	500	200	N	N	N	--	--
SR0297C3	200	N	150	100	N	N	N	--	--
SR0299C3	70	N	100	20	N	N	N	--	--
SR0300C3	70	N	100	<20	N	N	N	--	--
SR0301C3	20,000	N	200	<20	N	N	N	--	--
SR0302C3	700	N	150	<20	N	N	N	--	--
SR0303C3	70	N	500	<20	N	N	N	--	--
SR0304C3	3,000	N	20	<20	N	N	N	--	--
SR0305C3	100	N	50	<20	N	N	N	--	--
SR0307C3	20	N	50	<20	N	N	N	--	--
SR0308C3	50	N	100	<20	N	<20	N	--	--
SR0309C3	50	N	200	<20	N	N	N	--	--
SR0311C3	200	N	150	<20	N	N	N	--	--
SR0313C3	200	N	150	<20	N	N	N	--	--
SR0314C3	30	N	50	<20	N	N	N	--	--
SR0316C3	50	N	100	<20	N	N	N	--	--
SR0317C3	30	N	70	<20	N	N	N	--	--
SR0318C3	1,500	N	100	<20	N	N	N	--	--

sample	LATITUDE	LONGITUD	S-TI%	S-AG	S-AS	S-AU	S-BA	S-BE	S-BI	S-CD	S-CO
SR0319C3	60 13 58	147 46 17	.70	20	N	N	500	<2	N	N	20
SR0320C3	60 12 33	147 47 22	>1.00	5	2,000	N	200	<2	N	N	200
SR0321C3	60 14 2	147 51 20	.20	N	N	N	50	<2	N	N	10
SR0323C3	60 2 12	147 54 41	>1.00	2	N	N	500	<2	N	N	20
SR0324C3	60 2 14	147 54 29	>1.00	5	500	N	700	<2	20	N	70
SR0325C3	60 1 0	147 55 32	.50	30	1,500	N	700	<2	<20	N	500
SR0326C3	60 0 56	147 55 19	>1.00	5	N	N	1,000	<2	N	N	200
SR0327C3	60 0 55	147 55 40	>1.00	5	<500	N	500	<2	N	N	300
SR0333C3	60 5 3	147 56 20	1.00	N	N	N	500	<2	N	N	50
SR0334C3	60 7 20	147 54 15	1.00	N	N	N	300	<2	N	N	50
SR0335C3	60 7 20	147 55 17	1.00	N	N	N	500	<2	N	N	150
SR0336C3	60 6 29	147 57 54	1.00	1	N	N	500	<2	N	N	70
SR0338C3	60 7 0	147 59 6	1.00	N	N	N	1,000	<2	N	N	10
SR0339C3	60 1 49	147 34 9	>1.00	N	N	N	1,000	<2	N	N	20
SR0340C3	60 4 36	147 28 5	>1.00	N	N	N	1,000	<2	N	N	70
SR0341C3	60 8 14	147 20 30	1.00	2	N	N	3,000	2	N	N	150
SR0342C3	60 10 33	147 15 55	>1.00	1	N	N	3,000	2	N	N	70
SR0344C3	60 12 36	147 45 20	.50	<1	N	N	70	<2	N	N	15
SR0345C3	60 15 39	147 46 10	1.00	10	N	N	100	<2	N	N	20
SR0346C3	60 16 41	147 43 37	.50	N	N	N	100	<2	N	N	20
SR0348C3	60 20 54	147 38 38	.30	N	N	N	70	<2	N	N	20
SR0349C3	60 22 35	147 40 24	.50	N	N	N	300	<2	N	N	15
SR0350C3	60 22 49	147 45 39	.30	N	N	N	50	<2	N	N	20
SR0358C3	60 4 1	148 0 50	1.00	N	N	N	200	2	N	N	50
SR0359C3	60 4 54	147 59 45	1.00	N	N	N	700	5	N	N	70
SR0360C3	60 5 56	148 0 10	.30	<1	N	N	1,500	5	N	N	100
SR0361C3	60 6 15	147 59 26	.70	N	N	N	1,000	3	N	N	100
SR0362C3	60 7 55	147 59 7	.70	N	N	N	200	<2	N	N	100
SR0363C3	60 10 24	148 1 22	.70	N	N	N	700	3	N	N	100
SR0364C3	60 11 26	148 3 47	>1.00	N	N	N	500	2	N	N	20
SR0365C3	60 2 8	147 59 47	.30	N	N	N	200	<2	N	N	15
SR0367C3	60 0 37	148 5 31	>1.00	N	--	N	100	<2	N	N	20
SR0368C3	60 57 6	147 1 0	1.00	N	--	N	300	<2	N	N	150
SR0369C3	60 59 17	147 10 9	.50	N	--	N	2,000	2	N	N	150
SR0370C3	60 56 30	147 9 5	>1.00	N	--	N	500	2	N	N	15
SR0371C3	60 56 59	147 10 45	.30	<1	--	N	3,000	2	<20	N	100
SR0372C3	60 56 54	147 11 30	.30	<1	--	N	3,000	2	30	N	150
SR0373C3	60 58 9	147 12 55	.30	1,000	--	N	300	2	50	N	200
SR0374C3	60 58 36	147 18 45	.20	N	--	N	200	2	N	N	20
SR0375C3	60 58 5	147 18 5	.50	N	--	N	2,000	2	N	N	200
SR0376C3	60 55 59	147 19 27	1.00	N	--	N	200	<2	N	N	100
SR0377C3	60 55 58	147 19 45	>1.00	N	--	N	100	3	N	N	50
SR0378C3	60 54 29	147 20 3	1.00	N	--	N	100	2	N	N	700
SR0379C3	60 54 42	147 23 16	>1.00	N	--	N	100	2	N	N	200
SR0380C3	60 56 7	147 22 55	>1.00	N	--	N	70	2	N	N	70

sample	S-CU	S-MO	S-NI	S-PB	S-SB	S-SN	S-W		
SR0319C3	>20,000	N	100	<20	N	N	N	--	--
SR0320C3	10,000	N	150	100	N	N	N	--	--
SR0321C3	150	N	20	<20	N	N	N	--	--
SR0323C3	700	N	20	200	N	N	2,000	--	--
SR0324C3	7,000	N	150	5,000	N	>1,000	N	--	--
SR0325C3	20,000	N	50	700	N	200	N	--	--
SR0326C3	2,000	N	200	200	N	50	N	--	--
SR0327C3	700	N	500	200	N	N	N	--	--
SR0333C3	150	N	150	50	N	N	N	--	--
SR0334C3	200	N	150	70	N	N	N	--	--
SR0335C3	150	N	200	70	N	N	N	--	--
SR0336C3	500	N	200	200	N	N	N	--	--
SR0338C3	500	N	20	50	N	N	N	--	--
SR0339C3	100	N	50	70	N	N	N	--	--
SR0340C3	150	N	150	100	N	N	N	--	--
SR0341C3	200	N	200	200	N	N	N	--	--
SR0342C3	150	N	100	100	N	N	N	--	--
SR0344C3	2,000	N	30	20	N	N	N	--	--
SR0345C3	20,000	N	100	<20	N	20	N	--	--
SR0346C3	100	N	100	<20	N	N	N	--	--
SR0348C3	50	N	100	<20	N	N	N	--	--
SR0349C3	700	N	30	150	N	N	N	--	--
SR0350C3	500	N	20	<20	N	N	N	--	--
SR0358C3	150	N	100	700	N	N	N	--	--
SR0359C3	300	N	200	100	N	N	N	--	--
SR0360C3	1,000	N	200	200	N	N	N	--	--
SR0361C3	200	N	150	100	N	N	N	--	--
SR0362C3	700	N	200	70	N	<20	N	--	--
SR0363C3	300	N	200	100	N	N	N	--	--
SR0364C3	300	<10	50	50	N	N	N	--	--
SR0365C3	15	N	20	<20	N	N	N	--	--
SR0367C3	50	N	70	30	N	N	N	--	--
SR0368C3	100	N	200	100	N	N	N	--	--
SR0369C3	1,500	N	150	100	N	20	N	--	--
SR0370C3	70	N	50	20	N	N	N	--	--
SR0371C3	1,500	N	100	700	N	N	N	--	--
SR0372C3	1,500	N	150	150	N	N	<100	--	--
SR0373C3	500	N	200	700	N	N	<100	--	--
SR0374C3	300	N	30	500	N	N	N	--	--
SR0375C3	500	N	150	500	N	N	<100	--	--
SR0376C3	200	N	200	100	N	20	N	--	--
SR0377C3	50	N	200	50	N	70	N	--	--
SR0378C3	150	N	70	100	N	150	<100	--	--
SR0379C3	50	N	100	50	N	70	N	--	--
SR0380C3	50	N	50	100	N	150	N	--	--

sample	LATITUDE	LONGITUD	S-TI%	S-AG	S-AS	S-AU	S-BA	S-BE	S-BI	S-CD	S-CO
SR0381C3	60 57 20	147 23 11	1.00	N	--	N	200	<2	N	N	50
SR0382C3	60 58 41	147 22 18	.30	N	--	N	200	2	N	N	50
SR0383C3	60 59 53	147 29 14	>1.00	N	--	N	500	<2	N	N	<10
SR0384C3	60 57 52	147 43 27	>1.00	2,000	--	N	500	<2	N	N	50
SR0385C3	60 56 25	147 41 5	.50	N	--	N	500	2	N	N	20
SR0386C3	60 55 36	147 42 59	1.00	N	--	N	500	2	N	N	<10
SR0388C3	60 53 56	147 36 17	1.00	N	--	N	1,500	2	N	N	<10
SR0389C3	60 56 54	147 36 44	.50	500	--	N	1,000	2	N	N	150
SR0390C3	60 50 52	147 38 29	>1.00	N	--	N	1,000	<2	N	N	15
SR0391C3	60 52 23	147 14 53	.50	N	N	N	50	<2	N	N	20
SR0392C3	60 54 44	147 31 50	1.00	N	N	N	700	2	N	N	10
SR0393C3	60 57 19	147 31 50	.50	N	N	N	500	2	N	N	10
SR0394C3	60 58 42	147 31 58	1.00	N	N	N	300	<2	N	N	10
SR0395C3	60 59 12	147 36 24	.50	N	N	N	200	2	N	N	30
SR0397C3	60 55 12	147 36 50	.70	N	N	N	200	2	N	N	50
SR0398C3	60 54 6	147 39 1	>1.00	N	N	N	200	2	N	N	10
SR0399C3	60 52 45	147 39 24	>1.00	N	N	N	1,000	2	N	N	15
SR0400C3	60 52 27	147 35 40	.50	N	N	N	300	2	N	N	20
SR0401C3	60 53 3	147 16 2	.30	N	N	N	50	<2	N	N	20
SR0402C3	60 54 15	147 13 36	.70	N	N	N	100	<2	N	N	15
SR0403C3	60 53 21	147 13 20	.30	N	N	N	50	<2	N	N	20
SR0404C3	60 53 36	147 11 26	.30	N	N	N	50	<2	N	N	15
SR0405C3	60 53 12	147 10 1	.10	N	N	N	<50	<2	N	N	10
SR0406C3	60 52 19	147 9 39	.30	N	N	N	<50	<2	N	N	15
SR0407C3	60 52 0	147 11 0	.05	N	N	N	<50	<2	N	N	<10
SR0408C3	60 52 23	147 8 9	.50	N	N	N	50	<2	N	N	10
SR0409C3	60 52 31	147 7 20	.50	N	N	N	50	<2	N	N	10
SR0410C3	60 53 48	147 4 50	.50	N	N	N	100	<2	N	N	20
SR0411C3	60 43 54	147 24 46	>1.00	N	N	N	300	2	N	N	20
SR0412C3	60 43 44	147 25 59	>1.00	N	N	N	500	2	N	N	30
SR0413C3	60 43 36	147 26 52	1.00	N	N	N	700	2	N	N	70
SR0414C3	60 42 25	147 23 40	1.00	N	N	N	200	<2	N	N	50
SR0415C3	60 40 14	147 26 26	.50	N	N	N	200	N	N	N	10
SR0416C3	60 39 15	147 25 54	>1.00	N	N	N	500	N	N	N	50
SR0417C3	60 40 12	147 23 45	>1.00	N	N	N	500	N	N	N	50
SR0418C3	60 39 11	147 21 39	>1.00	N	N	N	500	N	N	N	70
SR0419C3	60 56 15	147 45 26	>1.00	N	1,000	N	500	N	N	N	50
SR0420C3	60 57 15	147 47 20	>1.00	N	N	N	1,500	N	N	N	50
SR0421C3	60 55 32	147 48 23	>1.00	20	2,000	30	1,500	N	N	N	20
SR0422C3	60 54 34	147 50 50	>1.00	N	N	N	500	N	N	N	20
SR0423C3	60 55 56	147 51 56	>1.00	N	<500	N	300	N	N	N	15
SR0424C3	60 52 45	147 49 8	.70	150	5,000	300	500	N	N	N	100
SR0425C3	60 52 37	147 49 50	>1.00	N	500	N	1,000	N	N	N	20
SR0426C3	60 52 30	147 49 35	>1.00	<1	500	N	1,000	2	N	N	150
SR0427C3	60 50 20	147 50 44	>1.00	N	500	N	500	2	N	N	20

Nonmagnetic heavy-mineral concentrates--continued

sample	S-CU	S-MO	S-NI	S-PB	S-SB	S-SN	S-W		
SR0381C3	100	N	100	100	N	N	N	--	--
SR0382C3	300	N	200	150	N	<20	N	--	--
SR0383C3	50	N	10	70	N	N	N	--	--
SR0384C3	300	N	50	20	N	<20	1,000	--	--
SR0385C3	500	N	30	100	N	N	N	--	--
SR0386C3	70	N	20	100	N	N	N	--	--
SR0388C3	70	N	20	100	N	N	N	--	--
SR0389C3	300	<10	200	200	N	N	N	--	--
SR0390C3	100	N	20	50	N	N	N	--	--
SR0391C3	50	N	70	<20	N	N	N	--	--
SR0392C3	150	N	20	<20	N	N	N	--	--
SR0393C3	30	<10	20	20	N	N	N	--	--
SR0394C3	100	N	20	50	N	N	N	--	--
SR0395C3	150	N	100	150	N	N	N	--	--
SR0397C3	150	N	100	70	N	N	N	--	--
SR0398C3	150	N	10	20	N	N	N	--	--
SR0399C3	100	N	20	70	N	N	N	--	--
SR0400C3	150	N	70	100	N	N	N	--	--
SR0401C3	30	N	50	20	N	N	N	--	--
SR0402C3	50	N	30	30	N	N	N	--	--
SR0403C3	30	N	70	<20	N	N	N	--	--
SR0404C3	150	N	50	<20	N	N	N	--	--
SR0405C3	500	N	10	<20	N	N	N	--	--
SR0406C3	150	N	50	700	N	N	N	--	--
SR0407C3	500	N	<10	<20	N	N	N	--	--
SR0408C3	100	N	30	<20	N	N	N	--	--
SR0409C3	15	N	50	<20	N	N	N	--	--
SR0410C3	700	N	70	<20	N	N	N	--	--
SR0411C3	50	N	100	50	N	N	N	--	--
SR0412C3	150	N	200	100	N	100	N	--	--
SR0413C3	150	N	200	70	N	20	N	--	--
SR0414C3	50	N	100	20	N	20	N	--	--
SR0415C3	30	N	30	30	N	50	N	--	--
SR0416C3	200	N	100	70	N	N	N	--	--
SR0417C3	150	N	100	50	N	N	N	--	--
SR0418C3	150	N	200	50	N	N	N	--	--
SR0419C3	500	N	100	50	N	<20	1,000	--	--
SR0420C3	300	N	150	50	N	N	<100	--	--
SR0421C3	150	N	30	30	N	N	500	--	--
SR0422C3	500	N	50	20	N	50	2,000	--	--
SR0423C3	150	N	30	20	N	50	2,000	--	--
SR0424C3	50	N	30	50	N	N	2,000	--	--
SR0425C3	30	N	100	<20	N	N	100	--	--
SR0426C3	500	N	200	100	N	N	N	--	--
SR0427C3	70	N	50	20	N	N	N	--	--

sample	LATITUDE	LONGITUD	S-TI%	S-AG	S-AS	S-AU	S-BA	S-BE	S-BI	S-CD	S-CO
SR0428C3	60 49 42	147 51 21	>1.00	N	N	N	1,000	2	N	N	70
SR0429C3	60 51 51	147 53 40	1.00	N	N	N	500	N	N	N	10
SR0430C3	60 54 15	147 55 50	>1.00	N	N	N	700	N	N	N	15
SR0431C3	60 54 26	147 55 55	>1.00	N	N	N	1,500	N	N	N	50
SR0432C3	60 54 53	147 58 49	>1.00	N	N	N	500	N	N	N	30
SR0433C3	60 55 32	148 1 5	>1.00	N	N	N	500	N	N	N	30
SR0434C3	60 57 41	147 59 23	>1.00	N	N	N	1,000	2	N	N	100
SR0437C3	60 57 3	147 56 39	>1.00	N	3,000	N	500	N	N	N	50
SR0438C3	60 57 36	147 57 5	>1.00	N	N	N	1,000	N	N	N	15
SR0439C3	60 58 5	147 52 45	>1.00	20	N	50	500	N	N	N	15
SR0440C3	60 59 3	147 56 25	>1.00	N	<500	N	500	2	N	N	10
SR0441C3	60 59 30	148 13 54	1.00	7	500	N	700	7	N	N	200
SR0442C3	60 58 17	148 15 30	1.00	5	<500	N	500	10	N	N	100
SR0443C3	60 57 12	148 17 30	>1.00	20	N	50	700	<2	N	N	30
SR0444C3	60 56 30	148 22 1	>1.00	2	N	N	700	<2	N	N	150
SR0445C3	60 57 7	148 20 4	1.00	5	1,500	N	700	2	<20	N	150
SR0446C3	60 54 48	148 19 18	>1.00	30	N	N	500	<2	20	N	200
SR0447C3	60 54 16	148 19 11	>1.00	50	N	500	1,000	<2	N	N	30
SR0448C3	60 57 38	148 18 25	>1.00	2	N	N	700	5	N	N	100
SR0449C3	60 52 35	148 19 45	>1.00	N	N	N	500	2	N	N	20
SR0450C3	60 51 47	148 23 22	>1.00	N	N	N	700	2	N	N	10
SR0451C3	60 52 11	148 24 41	>1.00	20	N	50	700	<2	N	N	20
SR0452C3	60 53 4	148 24 55	>1.00	1,000	3,000	200	500	<2	N	N	150
SR0453C3	60 53 36	148 25 24	.50	15	1,000	N	300	<2	<20	N	700
SR0454C3	60 53 3	148 27 24	>1.00	5	1,000	N	500	<2	N	N	500
SR0455C3	60 51 30	148 25 59	>1.00	1	N	N	300	<2	N	N	20
SR0456C3	60 30 24	147 36 46	1.00	N	N	N	200	N	N	N	50
SR0457C3	60 26 42	147 38 39	.20	N	N	N	<50	<2	N	N	10
SR0458C3	60 25 38	147 41 20	.50	N	N	N	<50	N	N	N	15
SR0459C3	60 21 43	147 41 34	.30	2	N	N	<50	<2	N	N	15
SR0460C3	60 5 17	148 14 23	>1.00	N	N	N	200	<2	N	N	50
SR0461C3	60 5 21	148 15 48	>1.00	N	N	N	700	2	N	N	20
SR0462C3	60 7 6	148 14 39	1.00	N	N	N	700	2	N	N	10
SR0463C3	60 7 2	148 12 46	.70	N	N	N	1,000	2	N	N	70
SR0464C3	60 7 33	148 11 2	1.00	N	N	N	500	2	N	N	20
SR0465C3	60 8 0	148 9 19	.70	N	N	N	100	2	N	N	70
SR0466C3	60 5 25	148 10 54	.50	N	N	N	300	<2	N	N	20
SR0467C3	60 6 50	148 9 26	1.00	N	N	N	1,000	<2	N	N	15
SR0468C3	60 4 18	148 10 55	.70	N	N	N	700	2	N	N	100
SR0469C3	60 4 10	148 10 48	>1.00	N	N	N	700	2	N	N	20
SR0470C3	60 3 48	148 12 21	.70	N	N	N	700	2	N	N	150
SR0471C3	60 2 40	148 14 20	>1.00	N	N	N	1,000	<2	N	N	200
SR0472C3	60 2 27	148 11 3	>1.00	N	N	N	1,000	<2	N	N	30
SR0473C3	60 3 15	148 17 48	>1.00	N	N	N	1,000	2	N	N	50
SR0474C3	60 1 45	148 15 10	>1.00	N	N	N	1,000	2	N	N	50

Nonmagnetic heavy-mineral concentrates--continued

sample	S-CU	S-MO	S-NI	S-PB	S-SB	S-SN	S-W		
SR0428C3	100	N	100	50	N	N	N	--	--
SR0429C3	20	N	20	<20	N	200	1,000	--	--
SR0430C3	100	N	20	20	N	50	5,000	--	--
SR0431C3	300	N	100	50	N	N	<100	--	--
SR0432C3	150	N	100	20	N	N	N	--	--
SR0433C3	200	N	70	50	N	N	N	--	--
SR0434C3	500	N	200	70	N	N	N	--	--
SR0437C3	300	N	50	50	N	N	1,500	--	--
SR0438C3	500	N	30	30	N	N	<100	--	--
SR0439C3	500	N	30	<20	N	N	1,000	--	--
SR0440C3	150	N	20	20	N	N	100	--	--
SR0441C3	700	N	700	500	N	N	N	--	--
SR0442C3	500	N	200	500	N	N	N	--	--
SR0443C3	300	N	100	50	N	N	N	--	--
SR0444C3	500	N	500	300	N	N	150	--	--
SR0445C3	500	N	500	500	N	N	200	--	--
SR0446C3	700	N	700	3,000	N	N	<100	--	--
SR0447C3	300	N	70	150	N	N	N	--	--
SR0448C3	500	N	200	200	N	N	N	--	--
SR0449C3	500	N	50	70	N	N	N	--	--
SR0450C3	100	N	20	50	N	N	100	--	--
SR0451C3	200	N	20	50	N	N	<100	--	--
SR0452C3	5,000	N	200	700	N	N	10,000	--	--
SR0453C3	2,000	N	2,000	700	N	N	N	--	--
SR0454C3	700	N	2,000	500	N	N	N	--	--
SR0455C3	50	N	50	<20	N	N	N	--	--
SR0456C3	30	N	200	<20	N	N	N	--	--
SR0457C3	15	N	20	<20	N	N	N	--	--
SR0458C3	50	N	50	<20	N	N	N	--	--
SR0459C3	>20,000	N	100	<20	N	30	N	--	--
SR0460C3	500	N	200	20	N	N	N	--	--
SR0461C3	150	N	70	70	N	N	N	--	--
SR0462C3	100	N	10	20	N	N	N	--	--
SR0463C3	200	N	150	100	N	N	N	--	--
SR0464C3	150	N	70	50	N	N	N	--	--
SR0465C3	300	N	150	100	N	N	N	--	--
SR0466C3	300	N	50	50	N	N	N	--	--
SR0467C3	700	N	30	50	N	N	N	--	--
SR0468C3	200	N	200	50	N	N	N	--	--
SR0469C3	100	N	100	30	N	N	N	--	--
SR0470C3	150	N	200	20	N	N	N	--	--
SR0471C3	300	N	500	100	N	N	N	--	--
SR0472C3	500	N	30	20	N	N	N	--	--
SR0473C3	100	N	50	70	N	N	N	--	--
SR0474C3	500	N	100	70	N	N	N	--	--

sample	LATITUDE	LONGITUD	S-TI%	S-AG	S-AS	S-AU	S-BA	S-BE	S-BI	S-CD	S-CO
SR0475C3	60 0 51	148 14 9	>1.00	N	N	N	1,000	<2	N	N	50
SR0476C3	60 0 59	148 16 14	1.00	2	N	N	700	<2	N	N	50
SR0477C3	60 3 12	148 8 26	.70	N	N	N	500	2	N	N	70
SR0478C3	60 5 7	148 6 25	.70	N	N	N	1,000	2	N	N	70
SR0479C3	60 7 2	148 6 50	1.00	N	N	N	500	2	N	N	50
SR0480C3	60 7 33	148 7 14	>1.00	N	N	N	200	<2	N	N	20
SR0481C3	60 11 17	148 8 4	>1.00	N	1,000	N	200	<2	N	N	30
SR0482C3	60 13 1	148 6 59	>1.00	2	N	N	500	2	N	N	30
SR0483C3	60 32 17	147 35 4	.70	N	N	N	200	<2	N	N	20
SR0484C3	60 31 10	147 39 3	.50	N	N	N	500	<2	N	N	15
SR0485C3	30 30 11	147 42 38	.50	N	N	N	500	<2	N	N	30
SR0486C3	60 28 35	147 42 32	.20	N	N	N	<50	<2	N	N	20
SR0487C3	60 29 35	147 41 39	.30	N	N	N	<50	<2	N	N	20
SR0488C3	60 26 30	147 42 29	.50	N	N	N	<50	<2	N	N	30
SR0489C3	60 26 26	147 37 6	.20	N	N	N	<50	<2	N	N	15
SR0491C3	60 10 21	148 4 36	1.00	N	N	N	700	<2	N	N	30
SR0492C3	60 5 11	148 3 11	.70	N	N	N	50	<2	N	N	15
SR0493C3	60 2 54	148 6 29	>1.00	N	N	N	100	<2	N	N	20
SR0494C3	60 1 35	148 6 50	>1.00	N	N	N	150	<2	N	N	10
SR0495C3	60 42 3	147 56 56	>1.00	N	N	N	100	2	N	N	<10
SR0496C3	60 42 37	147 55 10	>1.00	N	N	N	200	3	N	N	<10
SR0497C3	60 24 57	147 43 32	.50	N	N	N	<50	2	N	N	15
SR0499C3	60 24 20	147 47 58	.50	N	N	N	<50	<2	N	N	<10
SR0500C3	60 28 24	147 47 15	.15	N	N	N	<50	<2	N	N	<10
SR0501C3	60 13 24	148 8 49	>1.00	N	N	N	300	2	N	N	15
SR0502C3	60 12 36	148 8 39	>1.00	N	N	N	700	2	N	N	50
SR0503C3	60 10 26	148 10 9	>1.00	N	N	N	300	2	N	N	50
SR0504C3	60 10 0	148 10 31	>1.00	N	N	N	500	2	N	N	20
SR0505C3	60 9 2	148 12 57	>1.00	N	N	N	500	2	N	N	10
SR0506C3	60 9 30	148 13 5	>1.00	N	N	N	500	2	N	N	10
SR0507C3	60 14 15	148 13 19	>1.00	N	N	N	500	2	N	N	10
SR0508C3	60 12 11	148 17 9	>1.00	N	N	N	300	2	N	N	10
SR0509C3	60 12 51	148 12 34	>1.00	N	N	N	200	2	N	N	10
SR0510C3	60 20 24	148 11 3	1.00	N	N	N	300	<2	N	N	50
SR0511C3	60 19 36	148 16 27	1.00	N	N	N	500	2	N	N	20
SR0512C3	60 21 50	148 15 39	>1.00	N	N	N	500	2	N	N	10
SR0513C3	60 21 50	148 12 29	>1.00	N	1,500	N	1,500	2	N	N	20
SR0514C3	60 22 9	148 8 12	>1.00	N	<500	N	1,000	<2	N	N	15
SR0515C3	60 22 36	148 8 54	>1.00	N	N	N	500	2	N	N	<10
SR0516C3	60 23 8	148 7 17	>1.00	N	N	N	300	<2	N	N	<10
SR0517C3	60 25 6	148 5 45	>1.00	N	N	N	100	<2	N	N	15
SR0518C3	60 24 51	148 3 55	>1.00	N	500	N	200	<2	N	N	50
SR0519C3	60 24 2	148 10 14	>1.00	N	N	N	700	<2	N	N	10
SR0520C3	60 25 22	148 0 39	>1.00	N	2,000	N	200	<2	<20	N	70
SR0521C3	60 25 19	147 57 55	1.00	N	N	N	100	N	N	N	100

sample	S-CU	S-MO	S-NI	S-PB	S-SB	S-SN	S-W		
SR0475C3	500	N	100	50	N	N	N	--	--
SR0476C3	300	N	100	200	N	N	N	--	--
SR0477C3	300	N	200	70	N	N	N	--	--
SR0478C3	300	N	150	100	N	N	N	--	--
SR0479C3	200	N	200	70	N	N	N	--	--
SR0480C3	150	N	70	30	N	N	N	--	--
SR0481C3	500	N	100	50	N	N	N	--	--
SR0482C3	100	N	100	70	N	N	N	--	--
SR0483C3	50	N	70	<20	N	N	N	--	--
SR0484C3	50	N	70	<20	N	N	N	--	--
SR0485C3	50	N	200	<20	N	N	N	--	--
SR0486C3	20	N	50	<20	N	N	N	--	--
SR0487C3	20	N	100	<20	N	N	N	--	--
SR0488C3	700	N	150	<20	N	N	N	--	--
SR0489C3	20	N	50	<20	N	N	N	--	--
SR0491C3	150	N	100	<20	N	N	N	--	--
SR0492C3	100	N	50	<20	N	N	N	--	--
SR0493C3	70	N	70	500	N	70	N	--	--
SR0494C3	20	N	20	50	N	20	N	--	--
SR0495C3	<10	N	70	70	N	20	N	--	--
SR0496C3	<10	N	50	20	N	50	N	--	--
SR0497C3	1,000	N	20	<20	N	N	N	--	--
SR0499C3	15	N	30	<20	N	N	N	--	--
SR0500C3	<10	N	<10	<20	N	N	N	--	--
SR0501C3	70	N	10	20	N	N	N	--	--
SR0502C3	200	N	100	100	N	N	N	--	--
SR0503C3	100	N	100	50	N	N	N	--	--
SR0504C3	50	N	50	30	N	N	N	--	--
SR0505C3	200	N	10	100	N	N	N	--	--
SR0506C3	30	N	10	50	N	N	N	--	--
SR0507C3	70	<10	10	20	N	N	<100	--	--
SR0508C3	20	N	10	20	N	N	N	--	--
SR0509C3	100	N	10	30	N	N	N	--	--
SR0510C3	1,500	N	150	50	N	N	N	--	--
SR0511C3	100	N	10	50	N	N	N	--	--
SR0512C3	50	N	10	150	N	N	N	--	--
SR0513C3	150	N	20	50	N	N	N	--	--
SR0514C3	100	N	20	50	N	N	N	--	--
SR0515C3	70	N	<10	50	N	N	N	--	--
SR0516C3	100	N	<10	20	N	N	N	--	--
SR0517C3	200	N	<10	<20	N	150	200	--	--
SR0518C3	500	N	20	<20	N	700	1,500	--	--
SR0519C3	100	N	10	30	N	<20	N	--	--
SR0520C3	150	N	150	<20	N	>1,000	>10,000	--	--
SR0521C3	30	N	150	200	N	1,000	500	--	--

Nonmagnetic heavy-mineral concentrates--continued

sample	LATITUDE	LONGITUD	S-TI%	S-AG	S-AS	S-AU	S-BA	S-BE	S-BI	S-CD	S-CO
SR0522C3	60 22 15	147 59 35	1.00	N	7,000	N	1,000	N	N	N	150
SR0525C3	60 20 35	148 8 13	1.00	N	N	N	200	N	N	N	30
SR0526C3	60 18 59	148 7 14	>1.00	N	N	N	100	<2	N	N	15
SR0527C3	60 17 42	148 6 34	.50	N	N	N	700	<2	N	N	10
SR0543C3	60 21 29	148 53 54	.70	1	N	N	700	<2	N	N	15
SR0544C3	60 30 19	148 49 17	>1.00	7	2,000	N	700	2	N	N	200
SR0545C3	60 30 30	148 49 36	1.00	5	1,000	N	500	2	N	N	200
SR0546C3	60 28 19	148 51 20	1.00	5	3,000	N	700	2	N	N	200
SR0547C3	60 25 36	148 45 0	>1.00	5	5,000	N	700	2	N	N	200
SR0548C3	60 24 21	148 44 12	1.00	5	500	N	200	<2	N	N	300
SR0549C3	60 22 33	148 50 8	1.00	5	2,000	N	700	<2	N	N	300
SR0550C3	60 18 51	148 55 50	>1.00	70	N	500	700	<2	N	N	20
SR0551C3	60 18 8	148 56 36	>1.00	5	700	N	700	2	N	N	500
SR0552C3	60 16 59	148 57 20	1.00	3	N	N	1,000	2	N	N	300
SR0553C3	60 15 37	148 59 4	>1.00	2	1,000	N	700	2	N	N	200
SR0554C3	60 15 20	149 2 4	>1.00	<1	N	N	300	2	N	N	20
SR0555C3	60 14 48	149 3 10	>1.00	3	1,000	N	2,000	2	N	N	300
SR0556C3	60 13 46	149 3 45	>1.00	<1	500	N	2,000	2	N	N	150
SR0557C3	60 13 15	149 4 18	>1.00	N	N	N	2,000	2	N	N	10
SR0558C3	60 13 1	149 3 29	>1.00	3	2,000	N	1,000	2	N	N	100
SR0566C3	60 1 56	148 32 11	>1.00	N	N	N	1,500	2	N	N	100
SR0567C3	60 0 20	148 28 19	>1.00	N	N	N	700	2	N	N	10
SR0569C3	60 1 50	148 26 54	>1.00	N	N	N	700	2	N	N	10
SR0570C3	60 3 42	148 24 20	>1.00	N	N	N	1,000	2	N	N	20
SR0571C3	60 6 20	148 23 22	>1.00	N	<500	N	500	2	N	N	15
SR0572C3	60 8 8	148 21 36	>1.00	N	N	N	700	<2	N	N	10
SR0574C3	60 10 0	148 20 49	>1.00	N	N	N	700	2	N	N	15
SR0575C3	60 11 27	148 18 45	>1.00	N	N	N	300	2	N	N	20
SR0577C3	60 11 26	148 25 28	>1.00	1	N	N	500	2	N	--	50
SR0578C3	60 13 35	148 21 20	>1.00	1	N	N	700	2	N	--	50
SR0579C3	60 15 38	148 23 25	>1.00	1	500	N	300	2	N	--	100
SR0580C3	60 17 44	148 22 0	>1.00	N	1,500	N	200	2	N	--	30
SR0581C3	60 16 58	148 15 6	>1.00	N	<500	N	500	2	N	--	20
SR0582C3	60 25 24	148 17 54	>1.00	N	<500	N	700	2	N	--	50
SR0583C3	60 28 14	148 20 8	>1.00	N	1,500	N	200	<2	N	--	150
SR0585C3	60 25 51	148 12 47	>1.00	N	N	N	200	<2	N	--	150
SR0586C3	60 35 50	148 15 0	1.00	N	N	N	700	2	N	--	50
SR0587C3	60 37 32	148 12 16	>1.00	N	N	N	700	3	N	--	50
SR0588C3	60 37 48	148 12 21	>1.00	N	N	N	100	2	N	--	150
SR0589C3	60 40 35	148 17 39	1.00	1	N	N	200	<2	N	--	150
SR0590C3	60 44 53	148 11 39	>1.00	N	N	N	700	<2	N	--	50
SR0591C3	60 44 18	148 14 54	>1.00	<1	<500	N	300	<2	N	--	200
SR0592C3	60 42 54	148 15 20	.50	<1	500	N	2,000	2	N	--	100
SR0594C3	60 35 17	148 17 59	>1.00	N	N	N	1,000	<2	N	--	100
SR0595C3	60 37 36	148 18 20	>1.00	N	N	N	500	2	N	--	70

Nonmagnetic heavy-mineral concentrates--continued

sample	S-CU	S-MO	S-NI	S-PB	S-SB	S-SN	S-W		
SR0522C3	200	N	20	20	N	100	700	--	--
SR0525C3	30	N	100	20	N	N	N	--	--
SR0526C3	30	N	30	70	N	N	N	--	--
SR0527C3	10	N	<10	300	N	N	N	--	--
SR0543C3	150	N	50	100	N	N	N	--	--
SR0544C3	1,000	N	1,000	500	N	N	N	--	--
SR0545C3	700	N	500	500	N	N	N	--	--
SR0546C3	700	N	500	500	N	N	N	--	--
SR0547C3	1,000	N	500	500	N	N	N	--	--
SR0548C3	700	N	1,000	500	N	N	N	--	--
SR0549C3	700	N	700	700	N	N	N	--	--
SR0550C3	500	N	30	100	N	N	100	--	--
SR0551C3	1,000	N	1,000	700	N	N	N	--	--
SR0552C3	700	N	500	500	N	N	N	--	--
SR0553C3	1,000	N	500	500	N	N	N	--	--
SR0554C3	150	N	100	70	N	N	N	--	--
SR0555C3	500	N	1,000	500	N	N	N	--	--
SR0556C3	300	N	200	150	N	N	N	--	--
SR0557C3	30	N	30	<20	N	N	N	--	--
SR0558C3	700	N	200	500	N	N	150	--	--
SR0566C3	500	N	200	100	N	N	N	--	--
SR0567C3	100	N	30	50	N	N	N	--	--
SR0569C3	100	<10	50	30	N	N	100	--	--
SR0570C3	300	N	50	100	N	<20	N	--	--
SR0571C3	100	N	50	50	N	N	N	--	--
SR0572C3	50	N	30	30	N	N	N	--	--
SR0574C3	100	N	<10	50	N	N	N	--	--
SR0575C3	150	N	50	500	N	N	N	--	--
SR0577C3	200	N	100	150	N	N	N	--	--
SR0578C3	300	N	100	100	N	N	N	--	--
SR0579C3	200	N	100	200	N	N	N	--	--
SR0580C3	150	N	50	70	N	N	N	--	--
SR0581C3	50	N	30	20	N	N	N	--	--
SR0582C3	300	N	50	50	N	N	N	--	--
SR0583C3	300	<10	100	<20	N	N	100	--	--
SR0585C3	50	N	20	<20	N	N	N	--	--
SR0586C3	700	N	100	70	N	N	N	--	--
SR0587C3	100	N	70	50	N	N	N	--	--
SR0588C3	500	N	150	70	N	N	N	--	--
SR0589C3	500	N	100	200	N	N	N	--	--
SR0590C3	500	N	150	150	N	N	N	--	--
SR0591C3	300	N	150	150	N	N	N	--	--
SR0592C3	300	N	70	500	N	N	N	--	--
SR0594C3	300	N	150	100	N	50	N	--	--
SR0595C3	150	N	100	70	N	N	N	--	--

sample	LATITUDE	LONGITUD	S-TI%	S-AG	S-AS	S-AU	S-BA	S-BE	S-BI	S-CD	S-CO
SR0596C3	60 43 5	148 13 5	>1.00	N	N	N	150	<2	N	--	30
SR0597C3	60 44 21	148 10 54	>1.00	N	N	N	1,000	<2	N	--	20
SR0598C3	60 44 48	148 7 45	>1.00	N	N	N	700	<2	N	--	50
SR0599C3	60 44 25	148 6 15	>1.00	N	N	N	1,500	<2	N	--	20
SR0600C3	60 42 46	148 9 51	>1.00	N	N	N	100	<2	N	--	10
SR0601C3	60 38 53	148 6 44	>1.00	N	N	N	500	<2	N	--	15
SR0602C3	60 39 33	148 10 27	>1.00	N	N	N	100	<2	N	N	100
SR0607C3	60 26 49	147 58 30	>1.00	N	N	N	200	<2	N	N	20
SR0608C3	60 49 54	148 1 50	>1.00	N	N	N	200	<2	N	N	<10
SR0609C3	60 52 54	147 57 21	>1.00	N	N	N	100	<2	N	N	<10
SR0610C3	60 53 30	148 2 51	>1.00	N	N	N	300	<2	N	N	<10
SR0611C3	60 31 4	148 13 26	>1.00	N	N	N	700	<2	N	N	<10
SR0612C3	60 29 53	148 24 15	>1.00	N	5,000	N	200	2	N	N	200
SR0613C3	60 31 2	148 26 9	1.00	N	N	N	150	<2	N	N	20
SR0614C3	60 35 47	148 23 44	>1.00	N	N	N	1,000	2	N	N	30
SR0615C3	60 34 40	148 26 4	.70	N	N	N	300	<2	N	N	100
SR0616C3	60 34 18	148 25 35	>1.00	N	N	N	500	3	N	N	200
SR0617C3	60 33 15	148 24 41	>1.00	N	N	N	500	<2	N	N	200
SR0618C3	60 42 3	148 40 37	>1.00	N	N	N	300	2	N	N	20
SR0619C3	60 39 48	148 39 29	>1.00	N	N	N	1,000	<2	N	N	70
SR0620C3	60 50 35	148 30 47	>1.00	20	1,000	N	500	<2	N	N	50
SR0621C3	60 50 31	148 35 45	>1.00	N	3,000	N	300	2	N	N	100
SR0622C3	60 49 17	148 39 5	>1.00	N	N	N	500	<2	N	N	15
SR0623C3	60 47 14	148 37 50	>1.00	30	N	N	1,000	<2	N	N	15
SR0624C3	60 46 59	148 43 30	>1.00	N	1,000	100	1,000	<2	N	N	20
SR0625C3	60 49 45	148 25 5	>1.00	N	N	N	1,000	2	N	N	15
SR0626C3	60 48 11	148 29 9	>1.00	N	N	N	1,000	<2	N	N	30
SR0627C3	60 41 30	148 36 20	>1.00	N	N	N	700	<2	N	N	150
SR0628C3	60 44 35	148 33 10	>1.00	N	N	N	200	<2	N	N	150
SR0629C3	60 44 56	148 28 0	>1.00	<1	N	N	300	<2	N	N	50
SR0630C3	60 41 54	148 24 5	>1.00	N	N	N	1,500	2	N	N	30
SR0631C3	60 39 20	148 28 50	>1.00	2	N	N	1,000	<2	N	N	300
SR0632C3	60 37 58	148 28 39	>1.00	N	N	N	500	<2	N	N	150
SR0633C3	60 38 35	148 21 25	1.00	N	<500	N	500	<2	N	N	150
SR0634C3	60 52 50	149 15 41	>1.00	N	N	N	1,000	<2	N	N	150
SR0635C3	60 50 39	149 12 39	>1.00	N	N	N	700	<2	N	N	15
SR0636C3	60 52 14	149 9 18	>1.00	1	N	N	500	2	N	N	100
SR0637C3	60 53 0	149 14 39	>1.00	N	N	N	700	2	N	N	20
SR0638C3	60 51 2	148 53 31	>1.00	<1	N	N	700	2	N	N	100
SR0639C3	60 52 22	148 43 50	>1.00	<1	N	N	500	2	N	N	200
SR0640C3	60 53 39	148 43 55	>1.00	<1	N	N	500	2	N	N	100
SR0641C3	60 58 27	148 45 16	>1.00	<1	1,500	N	5,000	<2	N	N	300
SR0642C3	60 57 57	148 53 20	1.00	<1	1,000	N	500	2	N	N	100
SR0643C3	60 57 51	149 1 6	1.00	<1	N	N	500	2	N	N	200
SR0644C3	60 38 52	149 23 54	>1.00	1	N	N	300	<2	N	N	200

Nonmagnetic heavy-mineral concentrates--continued

sample	S-CU	S-MO	S-NI	S-PB	S-SB	S-SN	S-W		
SR0596C3	100	N	50	20	N	N	N	--	--
SR0597C3	700	N	50	20	N	100	200	--	--
SR0598C3	500	N	70	20	N	50	N	--	--
SR0599C3	100	N	50	<20	N	50	N	--	--
SR0600C3	10	N	30	<20	N	50	200	--	--
SR0601C3	30	N	30	<20	N	N	N	--	--
SR0602C3	150	N	70	<20	N	N	N	--	--
SR0607C3	50	N	70	<20	N	100	N	--	--
SR0608C3	50	N	10	<20	N	500	<100	--	--
SR0609C3	30	N	10	<20	N	500	N	--	--
SR0610C3	50	N	<10	<20	N	150	N	--	--
SR0611C3	50	N	10	<20	N	N	N	--	--
SR0612C3	200	N	100	<20	N	50	100	--	--
SR0613C3	150	N	20	<20	N	N	100	--	--
SR0614C3	150	N	20	50	N	N	<100	--	--
SR0615C3	300	N	200	200	N	N	N	--	--
SR0616C3	500	N	150	200	N	N	N	--	--
SR0617C3	300	N	200	150	N	N	N	--	--
SR0618C3	300	N	70	200	N	N	<100	--	--
SR0619C3	500	N	150	200	N	N	N	--	--
SR0620C3	500	N	100	70	N	N	100	--	--
SR0621C3	200	N	100	100	N	N	5,000	--	--
SR0622C3	200	N	30	70	N	N	100	--	--
SR0623C3	300	N	30	50	N	N	N	--	--
SR0624C3	700	N	100	1,000	N	N	100	--	--
SR0625C3	50	N	100	50	N	N	N	--	--
SR0626C3	150	N	150	50	N	N	<100	--	--
SR0627C3	700	N	300	150	N	N	N	--	--
SR0628C3	700	N	200	150	N	N	N	--	--
SR0629C3	300	N	200	70	N	N	N	--	--
SR0630C3	300	N	150	70	N	N	N	--	--
SR0631C3	700	N	1,000	500	N	N	N	--	--
SR0632C3	200	N	200	100	N	N	N	--	--
SR0633C3	200	N	150	150	N	N	N	--	--
SR0634C3	500	N	200	100	N	N	N	--	--
SR0635C3	500	N	30	70	N	N	N	--	--
SR0636C3	300	N	200	100	N	N	N	--	--
SR0637C3	150	N	50	70	N	N	N	--	--
SR0638C3	200	N	200	100	N	N	1,000	--	--
SR0639C3	1,000	N	500	200	N	N	150	--	--
SR0640C3	300	N	200	150	N	N	N	--	--
SR0641C3	1,000	N	500	700	N	N	N	--	--
SR0642C3	500	N	500	100	N	N	N	--	--
SR0643C3	700	N	500	200	N	N	N	--	--
SR0644C3	500	N	300	200	N	N	N	--	--

Nonmagnetic heavy-mineral concentrates--continued

sample	LATITUDE	LONGITUD	S-TI%	S-AG	S-AS	S-AU	S-BA	S-BE	S-BI	S-CD	S-CO
SR0645C3	60 34 53	149 24 2	>1.00	N	N	N	500	<2	N	N	200
SR0646C3	60 37 33	149 23 59	>1.00	<1	N	N	3,000	<2	N	N	300

sample	S-CU	S-MO	S-NI	S-PB	S-SB	S-SN	S-W		
SR0645C3	500	N	300	100	N	N	N	--	--
SR0646C3	700	N	300	200	N	N	N	--	--