

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SPECTROGRAPHIC AND CHEMICAL ANALYSES, AND SAMPLE LOCATION
MAPS OF STREAM SEDIMENTS AND ROCKS FROM THE
CHOTEAU 1° X 2° QUADRANGLE, MONTANA

by

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

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Modifications in analytical techniques during the period the samples were analyzed changed the lower limit of determination for some elements; this is reflected in the tables and some samples have elemental concentrations below the lower limits of determination listed above.

Explanation of maps and tables

A Honeywell 60/68 computer with the Multics operating system located at the U.S. Geological Survey's Computer Center in Denver, Colorado, was used to merge and manipulate the geochemical data sets. The combined data set contains multielement analyses and locations of 3,329 rock and 2,235 stream-sediment samples, and is available on computer tape from the National Technical Information Service (McDana1 and others, 1980). Data reduction was necessary to eliminate duplicate sample sites and samples that were collected too close together to plot at a 1:250,000 map scale. This was accomplished by dividing the quadrangle into a grid with 0.5 km square cells. Multiple sample sites in any cell were resolved by selecting the maximum value for each chemical element and sample location within the cell. The resultant, minor deviations in some of the sample locations are considered insignificant at the scale of this map and have negligible effect on the delineation of anomaly patterns in the quadrangle. The Choteau 1° x 2° quadrangle geochemical distribution and abundance plots (Grimes and Leinz, 1980; Leinz and Grimes, 1980) and the sample locality maps (figs. A and B) were produced on a Calcomp flatbed plotter from the condensed rock and stream-sediment data sets.

Table 1 is the tabulation of stream-sediment data and table 2 contains the data on rocks collected in the quadrangle. Column 1 contains the original field numbers of the samples assigned to them at the collection sites. The next two columns list the coordinates of the sample localities in degrees, minutes, and seconds of latitude and longitude. The map numbers in the next

column are a result of reducing the data set for purposes of clarifying the accompanying maps and the geochemical plots presented in the Choteau 1° x 2° quadrangle folio. The numbers are essentially identifiers of 0.5 km² cells containing at least one sample. Because any given cell may contain more than one sample, the same map number may be assigned to two or more samples.

Elements determined by the spectrographic method are preceded by the letter S. All concentrations are given in parts per million except Fe, Mg, Ca, and Ti which are reported in percent. Concentrations of gold determined by atomic absorption are given in the column headed by AA-Au-p, and the concentrations for mercury determined by vapor detector are given in the column, INST-Hg. Other symbols include the following:

N = not detected at the lower determination limit

-- = not determined

< = less than the value given¹

> = greater than the value given.

¹ For all samples with a prefix CH or HS, this symbol means not detected at the lower determination limit; for other samples, it means detected, but below the determination limit.

REFERENCES

- Earhart, R. L., 1978, A geologic and geochemical evaluation of the mineral resources of the Bob Marshall Wilderness and study areas, Chapter C in Mineral resources of the Bob Marshall Wilderness and study areas, Lewis and Clark, Teton, Pondera, Flathead, Lake, Missoula, and Powell Counties, Montana: U.S. Geological Survey Open-File Report 78-295, p. 61-104.
- Earhart, R. L., Grimes, D. J., Leinz, R. W., and Marks, L. Y., 1977, Mineral Resources of the proposed additions to the Scapegoat Wilderness, Powell and Lewis and Clark Counties, Montana, with a section on Geophysical surveys, by D. L. Peterson: U.S Geological Survey Bulletin 1430; 62 p.
- Grimes, D. J., and Leinz, R. W., 1980a, Geochemical and generalized geologic maps showing the distribution and abundance of copper in the Choteau 1° x 2° quadrangle, Montana: U.S. Geological Survey Miscellaneous Field Investigations Map MF-858-B.
- _____ 1980b, Geochemical and generalized geologic maps showing the distribution and abundance of silver in the Choteau 1° x 2° quadrangle, Montana: U.S. Geological Survey Miscellaneous Field Investigations Map MF-858-C.
- Grimes, D. J., Leinz, R. W., and Smith, R. J., 1976, Magnetic tape containing spectrographic and chemical analyses of stream sediments and rocks from the proposed additions to the Scapegoat Wilderness, Powell and Lewis and Clark Counties, Montana: U.S. Geological Survey Report USGS-GD-76-007, 4 p.; available only from U.S. Department of Commerce National Technical Information Service, Springfield, Virginia 22161, as Report PB-253 190/AS.

- 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.
- Harrison, J. E., Reynolds, M. W., Kleinkopf, M. D., and Pattee, E. C., 1969, Mineral resources of the Mission Mountains Primitive Area, Missoula and Lake Counties, Montana: U.S. Geological Survey Bulletin 1261-D, 48 p.
- Leinz, R. W., and Grimes, D. J., 1980a, Geochemical and generalized geologic maps showing the distribution and abundance of lead in the Choteau 1° x 2° quadrangle, Montana: U.S. Geological Survey Miscellaneous Field Investigations Map MF-858-D.
- _____ 1980b, Geochemical and generalized geologic maps showing the distribution and abundance of zinc in the Choteau 1° x 2° quadrangle, Montana: U.S. Geological Survey Miscellaneous Field Investigations Map MF-858-E.
- _____ 1980c, Geochemical and generalized geologic maps showing the distribution and abundance of mercury, arsenic, and molybdenum in the Choteau 1° x 2° quadrangle, Montana: U.S. Geological Survey Miscellaneous Field Investigations Map MF-858-F, 2 sheets.
- McDana1, S. K., Grimes, D. J., Leinz, R. W., and Hopkins, R. T., 1980, Magnetic tape containing spectrographic and chemical analyses of rock and stream sediment samples from the Choteau 1° x 2° quadrangle, Montana: U.S. Geological Survey Report ERT-030; available only from U.S. Department of Commerce National Technical Information Service, Springfield, Virginia 22151.

- McDana1, S. K., and Wilch, L. O., 1977, Magnetic tape containing analyses of rock and stream samples from the Bob Marshall Wilderness and adjacent study areas, Flathead, Lake, Lewis and Clark, Missoula, Pondera, Powell, and Teton Counties, Montana: U.S. Geological Survey Report ERT-77-014; available only from U.S. Department of Commerce National Technical Information Service, Springfield, Virginia 22151.
- 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.
- Mudge, M. R., Earhart, R. L., and Watts, K. C., Jr., 1973, Magnetic tape containing spectrographic and chemical analyses of rock and stream sediments from the Scapegoat Wilderness, Powell and Lewis and Clark Counties, Montana: U.S. Geological Survey Report USGS-GD-73-013; available only from U.S. Department of Commerce National Technical Information Service, Springfield, Virginia 22152, as Report PB-220 819.
- Mudge, M. R., Earhart, R. L., Watts, K. C., Jr., Tuckek, E. T., Rice, W. L., and Peterson, D. L., 1974, Mineral resources of the Scapegoat Wilderness, Powell and Lewis and Clark Counties, Montana: U.S. Geological Survey Bulletin 1385-B, 82 p.
- Mudge, M. R., Earhart, R. L., Whipple, J. W., and Harrison, J. E., 1979, Geologic map of the Choteau 1° x 2° quadrangle, Lewis and Clark, Teton, Powell, Missoula, Lake, Flathead, and Cascade Counties, Montana: U.S. Geological Survey Open-File Report 79-289, scale 1:250,000.

- Mudge, M. R., Erickson, R. L., and Kleinkopf, M. D., 1968, Reconnaissance geology, geophysics, and geochemistry of the southeastern part of the Lewis and Clark Range, Montana, with Spectrographic data, by G. C. Curtin and A. P. Marranzino, and a section on Isotopic composition of lead, by R. E. Zartman: U.S. Geological Survey Bulletin 1252-E, 35 p.
- Vaughn, W. W., and McCarthy, J. H., Jr., 1964, An instrumental technique for the determination of submicrogram concentrations of mercury in soils, rocks, and gas in Geological Survey Research 1964: U.S. Geological Survey Professional Paper 501-D, p. D123-D127.
- Ward, F. N., Nakagawa, H. M., Harms, T. F., and Van Sickle, G. H., 1969, Atomic-absorption methods of analysis useful in geochemical exploration: U.S. Geological Survey Bulletin 1289, 45 p.

BIBLIOGRAPHY OF THE CHOTEAU 1° x 2° QUADRANGLE,
MONTANA, FOLIO

- Earhart, R. L., Mudge, M. R., Whipple, J. W., and Connor, J. J., 1980, Mineral resource and generalized geologic maps of the Choteau 1° x 2° quadrangle, Montana: U.S. Geological Survey Miscellaneous Field Studies Map MF-858A, scale 1:250,000.
- Grimes, D. J., and Leinz, R. W., 1980a, Geochemical and generalized geologic maps showing the distribution and abundance of copper in the Choteau 1° x 2° quadrangle, Montana: U.S. Geological Survey Miscellaneous Field Studies Map MF-858B, scale 1:250,000.
- _____ 1980b, Geochemical and generalized geologic maps showing the distribution and abundance of silver in the Choteau 1° x 2° quadrangle, Montana: U.S. Geological Survey Miscellaneous Field Studies Map MF-858C, scale 1:250,000.
- _____ 1980c, Spectrographic and chemical analyses and samples location maps of stream sediments and rocks from the Choteau 1° x 2° quadrangle, Montana: U.S. Geological Survey Open-File Report 80-1258.
- Kleinkopf, M. D., 1980, Aeromagnetic and generalized geologic map of the Choteau 1° x 2° quadrangle, Montana: U.S. Geological Survey Miscellaneous Field Studies Map MF-858G, scale 1:250,000.

Leinz, R. W., and Grimes, D. J., 1980a, Geochemical and generalized geologic maps showing the distribution and abundance of lead in the Choteau 1° x 2° quadrangle, Montana: U.S. Geological Survey Miscellaneous Field Studies Map MF-858D, scale 1:250,000.

_____ 1980b, Geochemical and generalized geologic maps showing the distribution and abundance of zinc in the Choteau 1° x 2° quadrangle, Montana: U.S. Geological Survey Miscellaneous Field Studies Map MF-858E, scale 1:250,000.

_____ 1980c, Geochemical and generalized geologic maps showing the distribution and abundance of mercury, arsenic, and molybdenum in the Choteau 1° x 2° quadrangle, Montana: U.S. Geological Survey Miscellaneous Field Studies Map MF-858F, 2 sheets, scale 1:250,000.

Mudge, M. R., Clayton, J. L., and McNichols, K., 1980, Hydrocarbon potential and structure contour map of the Choteau 1° x 2° quadrangle, Montana: U.S. Geological Survey Open-File Report 80-24.

Mudge, M. R., Earhart, R. L., Whipple, J. W., and Harrison, J. E., 1980, Geologic and structure maps of the Choteau 1° x 2° quadrangle Lewis and Clark, Teton, Powell, Missoula, Lake, Flathead, and Cascade Counties, Montana: U.S. Geological Survey Miscellaneous Field Investigations Map I-1300.

Whipple, J. W., 1979, Preliminary geologic map of the Rogers Pass area, Lewis and Clark County, Montana: U.S. Geological Survey Open-File Report 79-719, scale 1:250,000.

Table 1.--Spectrographic and chemical analyses of stream sediments from the Choteau 1° x 2° quadrangle, Montana

sample	Latitude	Longitude	MAP_NO.	S-FEX	S-MGX	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
JAF600	47 0 55	112 9 55	1	5.0	--	.70	--	700	N	N	N	--
RP271SS	47 0 13	112 16 25	2	--	--	--	--	1,500	N	N	N	--
RP270SS	47 0 44	112 17 13	3	--	--	--	--	1,000	N	N	N	--
RP257SS	47 0 28	112 22 50	4	--	--	--	--	2,000	1.5	N	N	--
RP258SS	47 0 38	112 23 6	5	--	--	--	--	3,000	2.0	N	N	--
RP259SS	47 0 35	112 23 20	5	--	--	--	--	5,000	5.0	N	N	--
RP256SS	47 0 56	112 25 28	6	--	--	--	--	2,000	1.0	N	N	--
AMS889	47 0 54	112 33 0	7	--	--	--	--	700	N	--	--	--
RP217SS	47 0 49	112 35 18	8	--	--	--	--	300	N	N	N	--
RP218SS	47 0 50	112 35 24	8	--	--	--	--	1,500	N	N	N	--
RP219SS	47 0 21	112 35 54	8	--	--	--	--	300	N	N	N	--
RP220SS	47 0 28	112 36 3	9	--	--	--	--	1,000	N	N	N	--
S73	47 0 59	112 39 55	10	3.0	2.00	1.00	.300	700	N	N	N	70
AMS890	47 0 24	112 42 48	11	--	--	--	--	1,000	N	--	--	--
021	47 0 39	112 44 55	12	15.0	1.50	1.50	>1.000	1,000	N	N	N	N
JAF601	47 1 5	112 9 40	13	3.0	--	.50	--	700	N	N	N	--
JAF605	47 1 25	112 11 35	14	5.0	--	1.00	--	700	N	N	N	--
JAF606	47 1 10	112 12 10	15	3.0	--	1.00	--	700	N	N	N	--
JAF610	47 1 10	112 12 45	15	2.0	--	1.50	--	700	N	N	N	--
JAF611	47 1 20	112 12 40	15	3.0	--	1.50	--	1,000	.5	N	N	--
JAF607	47 1 10	112 13 15	16	1.5	--	10.00	--	500	N	N	N	--
JAF608	47 1 25	112 13 55	16	5.0	--	3.00	--	1,000	N	N	N	--
JAF609	47 1 15	112 13 40	16	3.0	--	.70	--	300	N	N	N	--
RP238SS	47 1 16	112 20 40	17	--	--	--	--	3,000	N	N	N	--
RP239SS	47 1 3	112 20 50	17	--	--	--	--	1,000	10.0	N	N	30
RP236SS	47 1 23	112 21 40	18	--	--	--	--	5,000	15.0	N	N	30
RP237SS	47 1 9	112 21 6	18	--	--	--	--	3,000	15.0	N	N	70
JAF031	47 1 55	112 23 35	19	--	--	.70	--	>5,000	N	N	N	20
JAF032	47 1 53	112 23 10	19	--	--	.05	--	100	.5	N	N	N
JAF047	47 1 28	112 23 44	19	--	--	.70	--	2,000	.7	N	N	--
JAF048	47 1 32	112 23 40	19	--	--	.70	--	2,000	.7	N	N	--
JAF049	47 1 45	112 23 38	19	--	--	.50	--	>5,000	1.0	N	N	--
RP255SS	47 1 5	112 26 0	20	--	--	--	--	1,000	.7	N	N	--
RP216SS	47 1 36	112 33 51	21	--	--	--	--	1,000	N	N	N	--
S62	47 1 55	112 37 3	22	2.0	1.00	1.00	.200	700	N	N	N	30
S63	47 1 27	112 38 53	23	1.5	1.50	5.00	.150	300	N	N	N	30
S72	47 1 4	112 40 44	24	3.0	1.50	1.00	.300	700	N	N	N	70
S71	47 1 44	112 42 54	25	15.0	2.00	2.00	>1.000	1,500	N	N	N	20
21	47 1 26	112 44 13	26	15.0	1.50	1.50	>1.000	1,000	N	N	N	N
S64	47 1 30	112 44 13	26	10.0	1.50	2.00	>1.000	1,000	N	N	N	15
S65	47 1 51	112 44 57	26	7.0	2.00	2.00	1.000	1,000	N	N	N	70
013	47 1 15	112 45 58	27	7.0	1.50	.70	1.000	1,000	N	N	N	50
014	47 1 13	112 46 16	28	7.0	1.50	.70	>1.000	1,000	N	N	N	100
015	47 1 38	112 46 35	28	7.0	2.00	1.00	1.000	1,000	N	N	N	100
016	47 1 35	112 46 35	28	5.0	2.00	1.00	.700	700	N	N	N	100
JAF592	47 1 38	112 46 35	29	3.0	--	.30	--	700	N	N	N	--
AMS891	47 1 18	113 1 30	29	--	--	--	--	1,000	N	--	--	--
JAF590	47 1 5	113 25 25	30	3.0	--	.20	--	150	N	N	N	--
JAF591	47 1 35	113 29 55	31	3.0	--	.50	--	700	N	N	N	--
JAF597	47 1 0	113 36 0	32	3.0	--	.50	--	1,000	N	N	N	--

sample	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
JAF600	--	<5.0	N	N	--	100	70	--	N	--	70	70
RP271SS	--	N	N	N	--	100	100	--	N	--	--	70
RP270SS	--	N	N	N	--	70	30	--	N	--	--	50
RP257SS	--	N	N	N	--	100	200	--	N	--	--	100
RP258SS	--	N	N	N	--	70	300	--	N	--	--	300
RP259SS	--	N	10	N	--	50	500	--	<5.0	--	--	500
RP256SS	--	N	N	N	--	100	300	--	N	--	--	30
AMS889	1,000	--	--	--	10	30	50	--	--	--	30	20
RP217SS	--	N	N	N	--	70	50	--	N	--	--	20
RP218SS	--	N	N	N	--	100	100	--	N	--	--	30
RP219SS	--	<5.0	N	N	--	70	20	--	N	--	--	30
RP220SS	--	N	N	N	--	70	30	--	N	--	--	30
S73	1,000	2.0	N	N	7	70	50	50	N	N	20	20
AMS890	1,000	--	--	--	30	50	70	--	--	--	30	10
021	500	N	N	N	70	70	100	20	N	N	50	30
JAF601	--	<5.0	N	N	--	100	30	--	N	--	50	30
JAF605	--	<5.0	N	N	--	70	30	--	N	--	30	50
JAF606	--	<5.0	N	N	--	70	30	--	N	--	20	50
JAF610	--	<5.0	N	N	--	70	150	--	N	--	30	100
JAF611	--	<5.0	N	N	--	70	15	--	N	--	30	50
JAF607	--	N	N	N	--	70	70	--	N	--	50	100
JAF608	--	N	N	N	--	70	15	--	N	--	30	50
JAF609	--	N	N	N	--	150	30	--	N	--	--	70
RP238SS	--	N	N	N	--	150	500	--	5.0	--	--	100
RP239SS	--	N	N	N	--	150	300	--	5.0	--	--	7,000
RP236SS	--	N	N	N	--	100	150	--	N	--	--	1,500
RP237SS	--	N	N	N	--	150	150	--	N	--	--	50
JAF031	2,000	N	N	30	--	50	30	--	N	--	70	20
JAF032	300	N	N	N	--	N	20	--	N	--	N	50
JAF047	3,000	N	N	N	--	70	150	--	N	--	50	50
JAF048	3,000	N	N	N	--	50	100	--	N	--	30	50
JAF049	3,000	N	N	20	--	100	70	--	N	--	100	100
RP255SS	--	N	N	N	--	100	200	--	N	--	--	50
RP216SS	--	N	N	N	--	50	70	--	N	--	--	30
S62	700	2.0	N	N	5	50	70	30	N	N	15	20
S63	500	1.5	N	N	<5	30	70	30	N	N	10	15
S72	1,000	2.0	N	N	7	100	50	30	N	N	20	30
S71	700	2.0	N	N	20	70	100	50	N	N	30	20
21	500	N	N	N	70	70	100	20	N	N	50	10
S64	500	1.5	N	N	30	30	70	20	N	N	30	10
S65	700	2.0	N	N	30	70	50	30	N	N	30	20
013	500	1.0	N	N	30	70	30	50	N	N	30	15
014	500	N	N	N	50	70	30	<20	N	N	30	20
015	700	N	N	N	30	70	30	20	N	N	30	15
016	700	N	N	N	30	70	30	30	N	N	20	15
JAF592	--	5.0	N	N	--	50	30	--	N	--	50	30
AMS891	700	--	--	--	15	30	50	--	--	--	20	20
JAF590	--	<5.0	N	N	--	50	15	--	N	--	30	20
JAF591	--	<5.0	N	N	--	70	50	--	N	--	50	20
JAF597	--	<5.0	N	N	--	100	50	--	N	--	70	30

Choteau sed

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
JAF600	N	--	N	--	100	N	--	N	--	--	.04
RP271SS	N	--	N	--	300	N	50	<200	--	N	--
RP270SS	N	--	N	--	70	N	30	N	--	N	--
RP257SS	N	--	N	--	500	N	30	700	--	N	--
RP258SS	N	--	N	--	200	N	50	500	--	N	--
RP259SS	N	--	N	--	500	N	50	1,500	--	N	--
RP256SS	N	--	N	--	500	N	30	200	--	N	--
AMS889	--	--	N	--	200	--	10	N	--	--	--
RP217SS	N	--	N	--	150	N	30	N	--	N	--
RP218SS	N	--	N	--	150	N	50	N	--	N	--
RP219SS	N	--	N	--	50	N	70	N	--	N	--
RP220SS	N	--	N	--	100	N	50	N	--	N	--
S73	N	10	N	<100	70	N	30	N	150	N	.06
AMS890	--	--	10	--	200	--	15	N	--	--	--
021	N	50	N	100	300	N	30	N	100	N	.04
JAF601	N	--	N	--	100	N	--	N	--	--	.08
JAF605	N	--	N	--	150	N	--	N	--	--	.06
JAF606	N	--	N	--	100	N	--	N	--	--	.04
JAF610	N	--	N	--	70	N	--	N	--	--	.04
JAF611	N	--	N	--	100	N	--	N	--	--	.02
JAF607	N	--	N	--	50	N	--	N	--	--	.06
JAF608	N	--	N	--	100	N	--	N	--	--	.02
JAF609	N	--	N	--	150	N	--	N	--	--	N
RP238SS	N	--	N	--	100	N	70	N	--	N	--
RP239SS	N	--	N	--	100	N	50	N	--	N	--
RP236SS	N	--	N	--	70	N	50	700	--	N	--
RP237SS	N	--	N	--	70	N	50	1,500	--	N	--
JAF031	N	--	N	--	70	N	--	1,000	--	N	--
JAF032	N	--	N	--	30	N	--	N	--	--	--
JAF047	N	--	N	--	70	N	--	200	--	--	--
JAF048	N	--	N	--	70	N	--	200	--	--	--
JAF049	N	--	N	--	70	N	--	1,500	--	--	--
RP255SS	N	--	N	--	150	N	30	<200	--	N	--
RP216SS	N	--	N	--	100	N	30	N	--	N	--
S62	N	7	N	N	70	N	30	N	150	N	.16
S63	N	5	N	N	30	N	20	N	150	N	.14
S72	N	10	N	N	70	N	20	N	150	N	.06
S71	N	20	N	300	300	N	70	N	300	N	.04
21	N	50	N	100	300	N	30	N	100	N	.04
S64	N	30	N	150	700	N	30	N	150	N	.04
S65	N	20	N	100	300	N	30	N	150	N	.04
013	N	30	N	N	150	N	30	N	150	N	.04
014	N	50	N	N	150	N	30	N	150	N	.04
015	N	30	N	N	150	N	30	N	100	N	.05
016	N	20	N	100	150	N	30	N	150	N	.03
JAF592	N	--	N	--	70	N	--	N	--	N	.08
AMS891	--	--	10	--	200	--	N	N	--	--	--
JAF590	N	--	N	--	70	N	--	N	--	--	.02
JAF591	N	--	N	--	70	N	--	N	--	--	.04
JAF597	N	--	N	--	70	N	--	N	--	--	.04

sample	Latitude	Longitude	MAP_NO.	S-FEX	S-MGZ	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
JAF595	47 1 45	113 41 45	33	1.5	--	15.00	--	500	N	N	N	--
JAF593	47 1 45	113 44 20	34	3.0	--	.20	--	1,000	N	N	N	--
JAF602	47 2 10	112 9 55	35	5.0	--	.30	--	700	N	N	N	--
JAF604	47 2 5	112 11 5	36	5.0	--	.30	--	1,000	N	N	N	--
JAF613	47 2 25	112 12 35	37	5.0	--	1.50	--	700	N	N	N	--
RP241SS	47 2 12	112 20 53	38	--	--	--	--	700	1.0	N	N	--
RP242SS	47 2 5	112 20 35	38	--	--	--	--	700	1.0	N	N	--
RP240SS	47 2 7	112 21 40	39	--	--	--	--	5,000	7.0	N	N	--
JAF030	47 2 8	112 22 20	40	--	--	.70	--	2,000	10.0	N	N	--
AMS887	47 2 22	112 22 48	40	--	--	--	--	3,000	N	N	N	--
JAF033	47 2 53	112 23 30	41	--	--	1.00	--	1,000	3.0	N	N	--
JAF043	47 2 59	112 23 55	41	--	--	.70	--	1,500	1.0	N	N	--
JAFU40	47 2 32	112 27 57	42	--	--	1.50	--	500	N	N	N	--
AMS888	47 2 0	112 34 48	43	--	--	--	--	1,000	N	N	N	--
S59	47 2 48	112 37 57	44	2.0	1.50	1.00	.200	700	N	N	N	30
S60	47 2 49	112 37 47	44	1.5	1.50	1.00	.150	700	N	N	N	30
S61	47 2 28	112 37 29	44	2.0	1.50	1.50	.200	500	N	N	N	30
S70	47 2 46	112 43 3	45	10.0	2.00	2.00	>1.000	2,000	N	N	N	15
15	47 2 4	112 45 25	46	7.0	2.00	1.00	1.000	1,000	N	N	N	100
16	47 2 4	112 45 25	46	5.0	2.00	1.00	.700	700	N	N	N	70
S66	47 2 6	112 45 26	46	5.0	1.50	1.50	1.000	700	N	N	N	70
S67	47 2 40	112 46 30	47	7.0	2.00	2.00	>1.000	1,500	N	N	N	10
017	47 2 55	112 48 26	48	10.0	3.00	2.00	>1.000	1,500	N	N	N	10
018	47 2 45	112 48 56	48	10.0	1.50	1.00	>1.000	1,000	N	N	N	20
019	47 2 45	112 48 56	48	7.0	1.50	1.00	>1.000	1,000	N	N	N	20
020	47 2 21	112 49 27	49	3.0	.70	.70	.300	700	N	N	N	30
AMS892	47 2 15	113 11 36	50	--	--	--	--	300	N	N	N	--
JAF596	47 2 55	113 36 10	51	3.0	--	1.50	--	700	N	N	N	--
JAF594	47 2 20	113 42 50	52	3.0	--	2.00	--	700	N	N	N	--
JAF603	47 3 10	112 12 15	53	3.0	--	1.00	--	700	N	N	N	--
JAF612	47 3 0	112 12 35	53	3.0	--	.70	--	700	N	N	N	--
JAF615	47 3 30	112 14 15	54	5.0	--	1.50	--	700	N	N	N	--
JAF616	47 3 30	112 14 10	54	5.0	--	1.00	--	700	N	N	N	--
JAF625	47 3 20	112 17 40	55	5.0	--	.50	--	700	N	N	N	--
JAF626	47 3 25	112 17 55	55	7.0	--	1.00	--	1,000	N	N	N	--
JAF627	47 3 50	112 17 55	55	3.0	--	7.00	--	700	1.0	N	N	--
RP243SS	47 3 18	112 21 46	56	--	--	--	--	2,000	N	N	N	--
RP244SS	47 3 10	112 21 27	56	--	--	--	--	1,000	N	N	N	--
AMS886	47 3 0	112 22 30	57	--	--	--	--	1,000	N	N	N	--
JAF041	47 3 2	112 23 25	58	--	--	1.00	--	1,500	3.0	N	N	--
JAF042	47 3 11	112 23 25	58	--	--	1.50	--	2,000	3.0	N	N	--
JAF045	47 3 8	112 25 51	59	--	--	.70	--	700	N	N	N	--
JAF044	47 3 6	112 27 29	60	--	--	.70	--	1,500	N	N	N	--
S58	47 3 6	112 35 44	61	5.0	1.50	1.50	1.000	700	N	N	N	30
RP214SS	47 3 45	112 41 58	62	--	--	--	--	300	N	N	N	--
S69	47 3 10	112 47 50	63	10.0	2.00	2.00	>1.000	2,000	N	N	N	20
S86	47 3 58	112 47 3	63	15.0	2.00	3.00	>1.000	3,000	N	N	N	30
S87	47 3 34	112 47 16	63	15.0	2.00	3.00	>1.000	3,000	N	N	N	20
S68	47 3 12	112 48 0	64	15.0	2.00	2.00	>1.000	1,500	N	N	N	15
022	47 3 38	112 53 30	65	3.0	1.50	.50	.300	700	N	N	N	100

Chateau seds--continued

sample	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
JAF595	--	N	N	N	--	50	7	--	N	--	10	<20
JAF593	--	<5.0	N	N	--	70	50	--	N	--	30	30
JAF602	--	5.0	N	N	--	70	50	--	N	20	30	50
JAF604	--	<5.0	N	N	--	100	20	--	N	--	50	30
JAF613	--	<5.0	N	N	--	100	50	--	N	--	50	30
RP241SS	--	N	N	N	--	70	30	--	N	--	--	50
RP242SS	--	N	N	N	--	100	70	--	N	--	--	70
RP240SS	--	N	N	N	--	70	300	--	N	--	--	300
JAF030	--	N	<10	N	--	50	700	--	20.0	--	30	1,000
AMS887	1,000	N	--	N	50	30	200	--	7.0	--	30	500
JAF033	1,500	N	--	N	100	100	100	--	N	--	50	300
JAF043	1,500	N	N	N	--	70	30	--	N	--	50	70
JAF040	3,000	N	N	N	--	<50	30	--	N	--	20	30
AMS888	700	--	--	--	20	50	50	--	--	--	30	20
S59	700	2.0	N	N	<5	30	30	30	N	N	10	20
S60	500	2.0	N	N	<5	30	70	30	N	N	7	15
S61	700	3.0	N	N	<5	50	70	20	N	N	10	20
S70	700	2.0	N	N	20	100	100	30	N	N	30	15
15	700	N	N	N	30	70	30	20	N	N	30	15
16	700	N	N	N	30	70	30	30	N	N	20	15
S66	700	2.0	N	N	10	50	70	30	N	N	20	15
S67	70	1.5	N	N	20	70	70	30	N	N	30	30
017	500	<1.0	N	N	70	100	150	N	N	N	30	10
018	500	N	N	N	50	100	100	20	N	N	30	15
019	500	N	N	N	50	70	70	<20	N	N	30	20
020	500	N	N	N	10	30	30	20	N	N	15	15
AMS892	700	--	--	--	N	20	30	--	--	--	N	N
JAF596	--	<5.0	N	N	--	70	30	--	N	--	20	20
JAF594	--	N	N	N	--	70	15	--	N	--	30	20
JAF603	--	<5.0	N	N	--	70	20	200	N	--	30	100
JAF612	--	<5.0	N	N	--	70	70	--	N	--	20	30
JAF615	--	N	N	N	--	70	30	--	N	--	50	50
JAF616	--	N	N	N	--	100	50	--	N	--	50	30
JAF625	--	N	N	N	--	50	50	--	N	--	30	30
JAF626	--	N	N	N	--	70	200	--	N	--	30	100
JAF627	--	N	N	N	--	50	15	--	N	--	20	50
RP243SS	--	N	N	N	--	150	500	--	N	--	--	300
RP244SS	--	N	N	N	--	150	50	--	N	--	--	50
AMS886	--	N	N	N	--	50	30	--	N	--	--	50
JAF041	1,000	N	N	N	15	50	70	--	N	--	20	20
JAF042	3,000	N	N	N	--	70	70	--	N	--	30	200
JAF045	1,500	N	N	N	--	70	30	--	N	--	50	150
JAF044	1,500	N	N	N	--	70	30	--	N	--	30	30
S58	500	3.0	N	N	10	30	70	50	N	N	20	20
RP214SS	--	N	N	N	--	30	50	--	N	--	--	50
S69	500	1.5	N	N	30	100	100	<20	N	N	30	15
S86	500	1.5	N	N	70	100	100	<20	N	N	50	15
S87	300	1.0	N	N	70	100	100	<20	N	N	50	10
S68	300	1.5	N	N	50	100	70	N	N	N	50	10
022	700	<1.0	N	N	15	50	50	50	N	N	20	20

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
JAF595	N	--	N	--	30	N	--	N	--	--	.08
JAF593	N	--	N	--	100	N	--	N	--	--	.02
JAF602	N	--	N	--	300	N	--	N	--	--	.02
JAF604	N	--	N	--	100	N	--	N	--	--	N
JAF613	N	--	N	--	150	N	--	N	--	--	.04
RP24155	N	--	N	--	70	N	30	N	--	N	--
RP24255	N	--	N	--	70	N	50	N	--	N	--
RP24055	N	--	N	--	100	N	70	700	--	N	--
JAF030	N	--	N	--	500	<50	--	700	--	--	--
AMS887	N	--	N	--	200	--	10	1,500	--	--	--
JAF033	N	--	N	--	100	N	--	300	--	--	--
JAF043	N	--	N	--	70	N	--	200	--	--	--
JAF040	N	--	N	--	100	N	--	N	--	--	--
AMS888	N	--	10	--	200	--	10	N	--	--	--
S59	N	7	N	N	70	--	30	N	150	--	.12
S60	N	7	N	N	50	N	30	N	100	N	.22
S61	N	10	N	N	70	N	30	N	150	--	.22
S70	N	20	N	200	500	N	30	N	150	N	.02
15	N	30	N	N	150	N	30	N	100	--	.05
16	N	20	N	100	150	N	30	N	150	N	.03
S66	N	15	N	<100	150	N	20	N	150	N	.04
S67	N	20	N	<100	300	N	30	N	100	N	.04
017	N	50	N	100	200	N	30	N	150	N	.05
018	N	30	N	N	200	N	50	N	150	N	.04
019	N	50	N	N	200	N	30	N	150	N	.05
020	N	15	N	N	100	N	20	N	150	--	--
AMS892	N	--	N	--	50	--	N	N	--	--	.10
JAF596	N	--	N	--	70	N	--	N	--	--	.06
JAF594	N	--	N	--	70	N	--	N	--	--	.04
JAF603	N	--	N	--	100	N	--	N	--	--	N
JAF612	N	--	N	--	150	N	--	N	--	--	.02
JAF615	N	--	N	--	150	N	--	N	--	--	.02
JAF616	N	--	N	--	150	N	--	N	--	--	.02
JAF625	N	--	N	--	150	N	--	N	--	--	<.02
JAF626	N	--	N	--	300	N	--	N	--	--	N
JAF627	N	--	N	--	50	N	--	N	--	--	--
RP24355	N	--	N	--	300	N	70	500	--	N	--
RP24455	N	--	N	--	150	N	50	N	--	N	--
AMS886	N	--	N	--	100	N	10	N	--	--	--
JAF041	N	--	N	--	100	N	--	300	--	--	--
JAF042	N	--	N	--	100	N	--	300	--	--	--
JAF045	N	--	N	--	100	N	--	<200	--	--	--
JAF044	N	--	N	--	100	N	--	N	--	--	--
S58	N	15	N	<100	200	N	--	N	200	N	.04
RP21455	N	--	N	--	50	N	30	N	--	N	--
S69	N	30	N	100	500	N	70	N	100	N	.08
S86	N	50	N	100	500	N	30	N	150	N	.02
S87	N	30	N	<100	700	N	30	N	150	N	.02
S68	N	30	N	<100	700	N	20	N	150	N	N
022	N	20	N	N	100	N	30	N	200	N	.03

Choteau seds--continued

sample	Latitude	Longitude	MAP_NO.	S-FEX	S-MGX	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
023	47 3 33	112 53 27	65	7.0	1.50	.70	1.000	700	N	N	N	70
CH29	47 3 29	112 54 15	66	10.0	1.00	1.00	1.000	1,000	N	--	--	100
JAF598	47 3 15	113 38 30	67	2.0	--	.70	--	500	N	N	N	--
JAF614	47 4 0	112 13 30	68	3.0	--	.30	--	700	N	N	N	--
JAF617	47 4 20	112 14 40	69	3.0	--	.30	--	700	N	N	N	--
JAF618	47 4 10	112 14 45	69	5.0	--	.70	--	700	N	N	N	--
JAF630	47 4 15	112 14 30	69	5.0	--	.70	--	1,000	N	N	N	--
JAF619	47 4 10	112 15 45	70	5.0	--	1.00	--	700	N	N	N	--
JAF621	47 4 20	112 15 50	70	5.0	--	.50	--	700	N	N	N	--
JAF623	47 4 50	112 16 35	71	5.0	--	1.00	--	700	N	N	N	--
JAF624	47 4 10	112 17 20	72	5.0	--	.50	--	700	N	N	N	--
JAF695	47 4 50	112 18 40	73	3.0	--	2.00	--	700	N	N	N	--
JAF696	47 4 35	112 19 25	74	5.0	--	1.00	--	1,000	N	N	N	200
JAF697	47 4 35	112 19 40	74	7.0	--	1.00	--	1,000	N	N	N	200
JAF698	47 4 40	112 20 0	75	7.0	--	1.00	--	1,500	N	N	N	150
JAF699	47 4 45	112 20 5	75	5.0	--	1.00	--	1,000	N	N	N	200
RP267SS	47 4 55	112 26 25	76	--	--	--	--	1,000	N	N	N	--
RP269SS	47 4 16	112 27 30	77	--	--	--	--	1,500	.5	N	N	--
RP266SS	47 4 35	112 30 35	78	--	--	--	--	1,500	.5	N	N	--
S77	47 4 52	112 37 47	79	2.0	1.50	1.50	.200	700	N	N	N	30
S78	47 4 38	112 38 12	80	3.0	1.50	.70	.500	1,000	N	N	N	70
S79	47 4 24	112 38 49	80	3.0	1.50	1.00	.300	1,000	.5	N	N	50
S81	47 4 11	112 38 53	80	3.0	2.00	.70	.300	700	N	N	N	50
S82	47 4 33	112 38 8	80	3.0	1.50	1.00	.500	700	N	N	N	50
S80	47 4 26	112 39 43	81	3.0	1.50	1.50	.200	1,000	N	N	N	70
RP215SS	47 4 43	112 40 53	82	--	--	--	--	1,000	N	N	N	--
RP213SS	47 4 47	112 42 3	83	--	--	--	--	700	N	N	N	--
RP212SS	47 4 23	112 43 13	84	--	--	--	--	500	N	N	N	--
33	47 4 52	112 43 9	84	3.0	1.00	.10	.200	.500	N	N	N	70
34	47 4 54	112 43 12	84	3.0	1.50	.15	.200	.500	N	N	N	70
35	47 4 56	112 43 10	84	2.0	1.00	.20	.200	700	N	N	N	70
033	47 4 27	112 43 53	84	3.0	1.00	.10	.200	500	N	N	N	70
034	47 4 28	112 43 57	84	3.0	1.50	.15	.200	500	N	N	N	70
035	47 4 32	112 43 59	84	2.0	1.00	.20	.200	700	N	N	N	70
RP211SS	47 4 24	112 44 0	85	--	--	--	--	1,500	.5	N	N	--
S84	47 4 59	112 46 58	86	10.0	1.50	3.00	>1.000	1,500	N	N	N	15
S85	47 4 27	112 46 51	86	10.0	1.50	3.00	>1.000	1,500	N	N	N	20
S88	47 4 2	112 50 55	87	7.0	2.00	1.00	1.000	1,500	N	N	N	70
S88A	47 4 2	112 50 55	87	5.0	2.00	1.00	.500	700	N	N	N	100
CH30	47 4 32	112 54 16	88	10.0	1.00	5.00	>1.000	1,000	N	<200	--	50
024	47 4 24	112 54 14	88	5.0	1.00	.70	1.000	700	N	N	N	100
1355	47 4 3	113 1 45	89	1.5	1.00	.50	.200	700	N	N	N	100
1355A	47 4 3	113 1 45	89	3.0	2.00	.07	.300	300	N	N	N	150
JAF589	47 4 55	113 31 25	90	5.0	--	.50	--	3,000	N	N	N	--
JAF620	47 5 20	112 14 55	91	5.0	--	.50	--	700	N	N	N	--
JAF622	47 5 0	112 16 55	92	7.0	--	1.00	--	1,000	N	N	N	--
JAF628	47 5 40	112 17 5	93	3.0	--	.50	--	700	N	N	N	--
JAF046	47 5 5	112 24 35	94	--	--	.50	--	700	N	N	N	--
RP268SS	47 5 2	112 25 28	95	--	--	--	--	1,000	N	N	N	--
RP265SS	47 5 18	112 31 20	96	--	--	--	--	1,500	.7	N	N	--

sample	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
023	500	N	N	N	30	70	30	20	N	N	30	20
CH29	700	2.0	<10	<20	15	50	50	50	<5.0	--	30	20
JAF598	--	N	N	N	--	50	15	--	N	--	15	<20
JAF614	--	N	N	N	--	100	30	--	N	--	50	30
JAF617	--	N	N	N	--	70	30	--	N	--	50	30
JAF618	--	<5.0	N	N	--	50	50	--	N	--	20	30
JAF630	--	N	N	N	--	100	15	--	N	--	50	20
JAF619	--	N	N	N	--	50	100	--	N	--	30	50
JAF621	--	<5.0	N	N	--	50	50	--	N	--	30	50
JAF623	--	N	N	N	--	100	30	--	N	--	50	50
JAF624	--	N	N	N	--	70	30	--	N	--	50	50
JAF695	--	N	N	N	--	50	15	--	N	--	20	30
JAF696	--	N	N	N	--	70	150	--	N	--	30	70
JAF697	--	N	N	N	--	70	100	--	N	--	30	70
JAF698	--	N	N	N	--	100	200	--	N	--	50	100
JAF699	--	N	N	N	--	50	100	--	N	--	30	70
RP267SS	--	N	N	N	--	100	50	--	N	--	--	50
RP269SS	--	N	N	N	--	100	70	--	N	--	--	70
RP266SS	--	N	N	N	--	100	100	--	5.0	--	--	50
S77	1,000	3.0	N	N	5	50	100	20	N	N	10	30
S78	1,000	2.0	N	N	7	50	100	50	N	N	15	30
S79	1,500	2.0	N	N	5	70	150	30	N	N	15	70
S81	1,000	2.0	N	N	5	50	70	50	N	N	15	50
S82	1,000	2.0	N	N	5	50	100	50	N	N	15	50
S89	1,000	2.0	N	N	5	50	150	30	N	N	10	100
RP215SS	--	N	N	N	--	50	30	--	N	--	--	30
RP213SS	--	N	N	N	--	70	70	--	N	--	--	70
RP212SS	--	N	N	N	--	70	300	--	N	--	--	70
33	700	1.5	N	N	7	50	20	70	N	10	20	20
34	700	1.0	N	N	7	70	50	50	N	10	20	20
35	700	1.5	N	N	5	50	70	70	N	<10	15	50
033	700	1.5	N	N	7	50	20	70	N	10	20	20
034	700	1.0	N	N	7	70	50	50	N	10	20	20
035	700	1.5	N	N	5	50	70	70	N	<10	15	50
RP211SS	--	N	N	N	--	50	500	--	N	--	--	70
S84	700	1.5	N	N	50	100	100	30	N	N	30	20
S85	500	1.5	N	N	70	70	100	20	N	N	30	15
S88	700	1.5	N	N	30	70	70	30	N	N	30	15
S88A	700	2.0	N	N	20	70	30	50	N	N	30	15
CH30	700	2.0	<10	<20	15	50	20	50	<5.0	--	20	N
024	700	N	N	N	20	70	50	30	N	<10	30	20
1355	1,000	1.5	N	N	<5	70	10	50	N	N	10	15
1355A	500	2.0	N	N	10	70	50	50	N	N	30	20
JAF589	--	5.0	N	N	--	70	70	--	N	N	50	30
JAF620	--	<5.0	N	N	--	100	50	--	N	--	50	30
JAF622	--	N	N	N	--	100	100	--	N	--	50	30
JAF628	--	N	N	N	--	100	30	--	N	--	50	30
JAF046	1,500	N	N	N	--	70	20	--	N	--	30	30
RP268SS	--	N	N	N	--	150	70	--	N	--	--	50
RP265SS	--	N	N	N	--	70	200	--	N	--	--	50

Chateau seds---continued

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
023	N	30	N	N	200	N	30	N	150	N	.02
CH29	<100	10	10	70	150	<50	10	N	700	--	--
JAF598	N	--	N	--	50	N	--	N	--	--	.02
JAF614	N	--	N	--	100	N	--	N	--	--	<.02
JAF617	N	--	N	--	70	N	--	N	--	--	<.02
JAF618	N	--	N	--	100	N	--	N	--	--	.02
JAF630	N	--	N	--	150	N	--	N	--	--	<.02
JAF619	N	--	N	--	100	N	--	N	--	--	.03
JAF621	N	--	N	--	100	N	--	N	--	--	.06
JAF623	N	--	N	--	200	N	--	N	--	--	<.02
JAF624	N	--	N	--	100	N	--	N	--	--	<.02
JAF695	N	--	N	--	50	N	--	N	--	--	.04
JAF696	N	--	N	--	200	N	--	N	--	--	.02
JAF697	N	--	N	--	300	N	--	N	--	--	.02
JAF698	N	--	N	--	300	N	--	<200	--	--	<.02
JAF699	N	--	N	--	300	N	--	<200	--	--	<.02
RP267SS	N	--	N	--	70	N	30	<200	--	N	.04
RP269SS	N	--	N	--	70	N	30	N	--	N	--
RP265SS	N	--	N	--	150	N	50	N	--	N	--
S77	N	7	N	N	50	N	30	N	150	N	.20
S78	N	15	N	N	70	N	50	N	150	N	.06
S79	N	10	N	N	70	N	50	N	200	N	.08
S81	N	10	N	N	70	N	30	N	150	N	.06
S82	N	10	N	N	150	N	50	N	200	--	.08
S80	N	10	N	N	70	N	50	N	150	N	.06
RP215SS	N	--	N	--	70	N	50	N	--	N	--
RP213SS	N	--	N	--	70	N	30	N	--	N	--
RP212SS	N	--	N	--	70	N	30	N	--	N	--
33	N	10	N	N	70	N	30	N	300	N	.14
34	N	10	N	N	70	N	30	N	300	N	.12
35	N	10	N	N	70	N	30	N	150	N	.24
C33	N	10	N	N	70	N	30	N	300	N	.02
O34	N	10	N	N	50	N	30	N	300	N	.02
O35	N	10	N	N	70	N	30	N	150	N	.22
RP211SS	N	--	N	--	70	N	30	N	--	N	--
S84	N	30	N	100	500	N	50	N	150	N	.08
S85	N	30	N	100	500	N	30	N	150	N	.06
S88	N	30	N	N	500	N	30	N	200	N	.04
S88A	N	15	N	N	150	N	30	N	200	N	--
CH30	<100	10	N	50	150	<50	10	N	1,000	--	--
O24	N	20	N	N	200	N	30	N	150	--	.02
1355	N	10	N	N	100	N	30	N	200	--	>10.00
1355A	N	15	N	N	100	N	30	N	300	N	.06
JAF589	N	--	N	--	70	N	--	N	--	N	.06
JAF620	N	--	N	--	100	N	--	N	--	N	.02
JAF622	N	--	N	--	300	N	--	N	--	N	.06
JAF628	N	--	N	--	100	N	--	N	--	N	.06
JAF046	N	--	N	--	70	N	--	N	--	N	--
RP268SS	N	--	N	--	100	N	50	N	--	N	--
RP265SS	N	--	N	--	200	N	50	N	--	N	--

sample	latitude	longitude	MAP_NO.	S-FEX	S-MGZ	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
S57	47 5 30	112 34 17	97	3.0	2.00	2.00	.300	500	N	N	N	70
RP263SS	47 5 43	112 35 38	98	--	--	--	--	700	N	N	N	--
RP264SS	47 5 44	112 35 10	98	--	--	--	--	1,000	N	N	N	--
S74	47 5 52	112 35 52	98	1.5	.20	.10	.150	500	N	N	N	30
CH26	47 5 48	112 38 39	99	5.0	1.50	.70	.300	500	N	--	--	50
CH026	47 5 34	112 38 49	99	5.0	1.50	.70	.300	500	N	--	--	50
37	47 5 42	112 41 6	100	3.0	1.50	1.00	.200	500	<.5	N	N	150
037	47 5 23	112 41 20	100	3.0	1.50	1.00	.200	500	N	N	N	150
RP209SS	47 5 20	112 43 5	101	--	--	--	--	700	N	N	N	--
S83	47 5 31	112 46 46	102	7.0	1.50	2.00	>1.000	1,500	N	N	N	30
051	47 5 59	112 46 55	102	3.0	1.50	.15	.300	500	N	N	N	70
025	47 5 20	112 54 58	103	5.0	1.50	1.50	1.000	700	N	N	N	100
JAF629	47 6 30	112 16 5	104	3.0	--	.50	--	700	N	N	N	--
JAF026	47 6 13	112 18 51	105	--	--	1.00	--	1,500	N	N	N	--
JAF027	47 6 28	112 18 5	105	--	--	10.00	--	700	N	N	N	--
AMS85	47 6 42	112 21 18	106	--	--	--	--	1,000	N	--	--	--
JAF039	47 6 10	112 28 0	107	--	--	.30	--	1,000	.5	N	N	--
S55	47 6 9	112 34 31	108	3.0	1.50	1.00	.300	500	1.5	N	N	70
S56	47 6 11	112 34 37	108	3.0	2.00	2.00	.300	500	N	N	N	100
S16	47 6 55	112 34 44	108	3.0	3.00	2.00	.300	500	N	N	N	100
S17	47 6 22	112 34 39	108	5.0	2.00	3.00	.700	500	N	N	N	70
S41	47 6 24	112 34 48	108	5.0	1.50	2.00	.700	500	N	N	N	70
38	47 6 19	112 38 37	109	3.0	1.50	1.00	.200	700	N	N	N	100
39	47 6 23	112 38 31	109	1.5	1.00	.70	.200	500	N	N	N	100
S75	47 6 43	112 38 30	109	2.0	1.50	2.00	.300	500	N	N	N	150
S76	47 6 46	112 38 26	109	2.0	1.50	2.00	.200	500	N	N	N	100
038	47 6 11	112 38 54	109	3.0	1.50	1.00	.200	700	N	N	N	100
039	47 6 16	112 38 47	109	1.5	1.00	.70	.200	500	N	N	N	100
069	47 6 58	112 45 31	110	3.0	2.00	.70	.300	700	N	N	N	100
070	47 6 55	112 45 25	110	3.0	2.00	.30	.200	1,000	N	N	N	100
049	47 6 11	112 47 32	111	10.0	1.00	1.50	>1.000	1,500	N	N	N	30
050	47 6 12	112 47 23	111	2.0	1.50	.15	.200	300	N	N	N	70
052	47 6 27	112 47 31	111	3.0	1.50	.20	.200	500	1.0	N	N	70
053	47 6 44	112 47 42	111	3.0	3.00	3.00	.200	300	N	N	N	100
054	47 6 52	112 47 51	111	3.0	3.00	2.00	.300	1,000	N	N	N	70
055	47 6 44	112 47 55	111	10.0	1.50	1.50	>1.000	1,500	N	N	N	20
044	47 6 57	112 48 59	112	5.0	1.50	1.50	1.000	700	N	N	N	30
040	47 6 7	112 49 49	113	7.0	1.00	1.50	>1.000	700	N	N	N	10
041	47 6 11	112 49 55	113	3.0	1.00	.20	.500	700	N	N	N	70
042	47 6 49	112 49 27	113	3.0	1.50	.50	.500	1,000	1.0	N	N	70
043	47 6 24	112 49 35	113	5.0	1.50	1.50	>1.000	700	N	N	N	50
G01	47 6 16	112 51 54	114	10.0	1.50	1.00	1.000	1,000	N	N	N	10
C02	47 6 12	112 51 50	114	10.0	3.00	3.00	1.000	1,000	N	N	N	10
026	47 6 5	112 55 15	115	5.0	1.00	.50	>1.000	700	N	N	N	100
027	47 6 5	112 55 15	115	5.0	1.00	1.00	1.000	1,000	N	N	N	100
028	47 6 7	112 55 23	115	2.0	1.00	.20	.300	700	N	N	N	70
029	47 6 29	112 55 43	115	3.0	1.00	.20	.200	1,500	N	N	N	100
030	47 6 49	112 56 1	116	5.0	1.00	.30	1.000	1,500	N	N	N	100
1362	47 6 43	113 6 18	117	5.0	2.00	2.00	1.000	700	N	N	N	100
1362A	47 6 43	113 6 18	117	5.0	2.00	1.00	.500	700	N	N	N	100

Choteau seds---continued

sample	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
S57	700	1.5	N	N	7	50	30	30	N	N	20	20
RP263SS	--	5.0	N	N	--	70	20	--	N	--	--	30
RP264SS	--	<5.0	N	N	--	70	20	--	N	--	--	50
S74	300	3.0	N	N	N	10	<5	50	N	20	5	30
CH26	1,000	2.0	<10	<20	10	50	70	<20	N	--	20	20
CH026	1,000	2.0	<10	<20	10	50	70	<20	<5.0	--	20	20
37	700	1.0	N	N	10	50	30	50	N	<10	20	50
037	700	1.0	N	N	10	50	30	50	N	<10	20	50
RP209SS	--	N	N	N	--	50	200	--	N	--	--	100
S83	500	1.5	N	N	50	70	100	30	N	N	30	20
051	1,000	1.0	N	N	10	70	50	50	N	10	20	20
025	1,000	N	N	N	30	100	100	20	N	10	30	30
JAF629	--	<5.0	N	N	--	70	30	--	N	--	30	20
JAF026	700	N	N	N	--	70	50	--	N	--	50	50
JAF027	1,000	N	N	N	--	100	30	--	N	--	70	50
AMS885	1,000	--	--	--	30	50	50	--	N	--	30	50
JAF039	1,000	N	N	N	--	70	200	--	N	--	30	50
S55	1,000	2.0	N	N	7	50	2,000	30	N	N	20	15
S56	700	1.5	N	N	7	50	20	30	N	N	20	15
S16	300	<1.0	N	N	10	50	15	50	N	<10	15	15
S17	700	1.0	N	N	7	30	70	50	N	N	15	15
S41	1,000	<1.0	N	N	7	50	20	50	N	<10	15	10
38	1,000	1.5	N	N	5	30	30	70	N	10	10	30
39	700	1.5	N	N	5	30	30	50	N	10	<5	30
S75	700	1.5	N	N	<5	50	20	50	N	N	15	20
S76	700	1.5	N	N	5	30	15	30	N	N	10	15
038	1,000	1.5	N	N	5	30	30	70	N	10	10	30
039	700	1.5	N	N	5	30	30	50	N	10	<5	30
069	700	1.5	N	N	15	50	30	50	N	10	20	50
070	700	1.0	N	N	10	70	50	70	N	<10	20	50
049	500	N	N	N	70	30	150	N	N	N	20	15
050	700	1.0	N	N	10	70	50	50	N	10	15	20
052	700	1.0	N	N	10	50	30	50	N	10	15	50
053	700	1.0	N	N	15	70	50	50	N	<10	20	50
054	1,000	1.0	N	N	10	50	30	50	N	N	20	30
055	500	N	N	N	50	50	100	<20	N	N	20	30
044	500	N	N	N	20	50	70	<20	N	<10	20	15
040	500	N	N	N	70	50	100	70	N	10	30	15
041	1,000	1.5	N	N	10	70	50	70	N	10	15	20
042	1,000	1.0	N	N	10	50	300	50	N	10	20	150
043	500	N	N	N	20	50	100	N	N	<10	20	20
001	300	N	N	N	70	70	150	N	N	N	30	15
002	300	N	N	N	20	100	50	50	N	N	30	10
026	500	N	N	N	20	70	50	50	N	<10	30	30
027	700	N	N	N	20	100	50	30	N	<10	30	30
028	700	N	N	N	15	50	50	50	N	10	20	20
029	700	1.0	N	N	15	70	150	30	N	10	20	20
030	700	N	N	N	20	70	70	50	N	<10	30	50
1362	500	3.0	N	N	15	70	70	50	N	N	30	30
1362A	500	2.0	N	N	15	50	30	50	N	N	30	20

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
S57	N	10	N	100	70	N	15	N	300	N	.06
RP263SS	N	--	N	--	50	N	70	N	--	N	--
RP264SS	N	--	N	--	50	N	70	N	--	N	--
S74	N	5	N	N	20	N	20	N	150	N	.02
CH26	<100	7	N	50	70	<50	20	N	300	--	--
CH026	<100	7	<10	50	70	<50	20	<200	300	--	--
37	N	10	N	N	50	N	20	N	150	--	.14
037	N	10	N	N	50	N	20	N	150	--	.14
RP209SS	N	--	N	--	70	N	20	200	--	N	--
S83	N	30	N	100	300	N	30	N	150	N	.02
051	N	10	N	N	70	N	30	N	150	--	.02
025	N	30	N	200	150	N	30	N	150	--	.06
JAF629	N	--	N	--	70	N	--	N	--	--	.04
JAF026	N	--	N	--	500	N	--	N	--	--	--
JAF027	N	--	N	--	70	N	--	N	--	--	--
AMS885	N	--	N	--	500	N	--	N	--	--	--
JAF039	--	--	N	--	100	--	<10	N	--	--	--
S55	N	10	N	100	70	N	--	N	--	--	--
S56	N	10	N	<100	70	N	20	N	200	N	.08
S16	N	7	N	N	70	N	20	N	150	N	.02
S17	N	10	N	N	100	N	30	N	200	--	.06
S41	N	10	N	N	100	N	30	N	500	--	.02
38	N	7	N	N	50	N	15	N	100	--	<.02
39	N	10	N	N	50	N	30	N	200	--	.06
S75	N	7	N	N	50	N	20	N	500	--	.24
S76	N	5	N	N	70	N	20	N	300	N	.06
038	N	7	N	N	50	N	30	N	200	N	.04
039	N	10	N	N	50	N	20	N	200	--	.06
069	N	7	N	N	70	N	30	N	500	--	.24
070	N	15	N	N	70	N	50	N	150	--	.08
049	N	30	N	N	300	N	30	N	100	N	.04
050	N	10	N	N	70	N	30	N	200	--	.04
052	N	7	N	N	70	N	20	N	150	--	.04
053	N	10	N	N	50	N	20	N	150	--	.02
054	N	10	N	N	70	N	20	N	150	--	.04
055	N	30	N	N	200	N	50	N	100	N	<.02
040	N	30	N	N	150	N	30	N	150	N	.04
041	N	10	N	N	300	N	30	N	100	--	.02
042	N	10	N	N	70	N	30	N	150	--	.02
043	N	30	N	N	200	N	30	N	150	--	.50
001	N	50	N	<100	200	N	30	N	150	--	.04
002	N	30	N	200	300	N	30	N	150	N	--
026	N	30	N	200	300	N	30	N	150	N	.04
027	N	15	N	N	150	N	30	N	150	--	.04
028	N	15	N	N	70	N	30	N	150	--	.02
029	N	15	N	N	70	N	30	N	200	N	.02
030	N	30	N	N	200	N	20	N	150	--	<.02
1362	N	15	N	N	200	N	20	N	300	N	.06
1362A	N	15	N	N	100	N	20	N	200	N	.04

sample	Latitude	Longitude	MAP_NO.	S-FEX	S-MG%	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
JAF028	47 7 42	112 16 40	118	--	--	.20	--	300	N	N	N	--
JAF038	47 7 53	112 28 5	119	--	--	1.50	--	1,000	N	N	N	--
S52	47 7 43	112 34 4	120	2.0	2.00	1.50	.200	500	N	N	N	70
S53	47 7 25	112 34 30	120	3.0	2.00	1.00	.200	300	N	N	N	70
S54	47 7 6	112 34 48	120	3.0	2.00	3.00	.300	700	N	N	N	100
S28	47 7 51	112 35 18	121	2.0	2.00	7.00	.150	300	N	N	N	70
S29	47 7 51	112 35 32	121	3.0	1.50	5.00	.200	300	N	N	N	70
S31	47 7 29	112 35 55	121	5.0	1.50	1.50	.700	300	N	N	N	70
S38	47 7 44	112 35 32	121	3.0	1.50	3.00	.500	300	N	N	N	70
S31	47 7 30	112 36 14	122	5.0	1.50	1.50	.700	300	N	N	N	70
S32	47 7 38	112 36 21	122	3.0	1.50	1.50	.200	200	N	N	N	70
S32	47 7 33	112 36 12	122	3.0	1.50	1.50	.200	200	N	N	N	70
S38	47 7 49	112 37 30	123	3.0	1.50	3.00	.500	300	N	N	N	70
S42	47 7 39	112 38 30	124	3.0	1.50	7.00	.150	300	N	N	N	70
S49	47 7 9	112 38 18	124	2.0	2.00	7.00	.300	500	N	N	N	70
S42	47 7 44	112 38 34	124	3.0	1.50	7.00	.150	300	N	N	N	70
S71	47 7 16	112 45 20	125	3.0	3.00	1.50	.200	500	N	N	N	100
S72	47 7 41	112 45 17	125	2.0	2.00	1.50	.200	500	N	N	N	100
S73	47 7 43	112 45 23	125	3.0	2.00	.20	.200	500	N	N	N	100
S48	47 7 27	112 48 56	126	7.0	1.50	1.50	1.000	700	N	N	N	50
S56	47 7 49	112 48 33	126	5.0	1.50	1.00	1.000	1,000	N	N	N	50
S57	47 7 46	112 48 18	126	7.0	1.50	1.00	1.000	1,000	N	N	N	20
S45	47 7 28	112 49 4	127	2.0	2.00	.50	.300	500	N	N	N	100
S46	47 7 30	112 49 48	127	1.5	1.00	1.50	.150	300	N	N	N	100
S47	47 7 26	112 49 48	127	2.0	2.00	.70	.200	500	N	N	N	70
S03	47 7 18	112 51 23	128	10.0	2.00	1.50	>1.000	1,000	N	N	N	15
S04	47 7 19	112 51 17	128	10.0	2.00	1.50	>1.000	1,000	N	N	N	15
S05	47 7 43	112 51 18	128	1.5	1.00	.50	.200	500	N	N	N	70
S06	47 7 42	112 51 11	128	15.0	1.50	.70	>1.000	1,000	N	N	N	<10
S08	47 7 59	112 51 9	128	10.0	2.00	1.50	>1.000	1,000	N	N	N	N
S05	47 7 7	112 53 21	129	7.0	2.00	2.00	>1.000	1,500	N	N	N	10
S06	47 7 9	112 53 11	129	10.0	1.50	2.00	>1.000	1,500	N	N	N	10
S07	47 7 29	112 53 26	129	10.0	3.00	5.00	>1.000	1,500	N	N	N	<10
S08	47 7 30	112 53 17	129	10.0	3.00	3.00	>1.000	1,500	N	N	N	<10
S09	47 7 47	112 53 23	129	10.0	3.00	3.00	>1.000	1,500	N	N	N	<10
S31	47 7 10	112 56 16	130	5.0	1.50	1.50	1.000	1,500	N	N	N	100
S32	47 7 10	112 56 16	130	7.0	2.00	1.50	1.000	1,500	N	N	N	100
S360	47 7 49	112 58 53	131	3.0	2.00	1.00	.300	1,000	N	N	N	100
S360A	47 7 49	112 58 53	131	5.0	2.00	1.00	.500	700	N	N	N	150
S361	47 7 49	112 58 31	131	3.0	2.00	5.00	.300	700	N	N	N	150
S361A	47 7 49	112 58 31	131	3.0	3.00	3.00	.300	700	N	N	N	150
S368	47 7 4	112 58 23	131	5.0	2.00	2.00	.500	500	N	N	N	100
S368A	47 7 4	112 58 23	131	5.0	2.00	1.50	.300	700	N	N	N	100
S369	47 7 10	112 58 2	131	10.0	1.50	1.50	>1.000	1,000	N	N	N	70
S369A	47 7 10	112 58 2	131	5.0	2.00	5.00	.700	700	N	N	N	100
S366	47 7 52	113 5 12	132	2.0	1.50	2.00	.200	500	N	N	N	70
S366A	47 7 52	113 5 12	132	3.0	2.00	3.00	.200	700	N	N	N	100
S367	47 7 28	113 5 38	132	5.0	2.00	3.00	.300	1,000	N	N	N	100
S367A	47 7 28	113 5 38	132	3.0	2.00	5.00	.200	500	N	N	N	100
S363	47 7 59	113 7 30	133	3.0	2.00	1.50	.300	700	N	N	N	100

sample	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
JAF028	2,000	N	N	N	--	50	15	--	N	--	20	<20
JAF038	1,000	N	N	N	--	70	70	--	N	--	50	50
S52	500	2.0	N	N	5	50	30	30	N	N	15	20
S53	500	1.5	N	N	7	70	20	30	N	N	15	30
S54	500	2.0	N	N	10	70	30	30	N	N	20	30
S28	200	1.0	N	N	7	30	15	30	N	<10	15	15
S29	300	1.5	N	N	7	30	20	70	N	N	15	15
S31	1,000	<1.0	N	N	10	20	100	50	N	<10	15	15
S38	300	1.0	N	N	10	50	30	30	N	<10	15	10
S31	1,000	<1.0	N	N	10	20	100	50	N	<10	15	15
S32	300	<1.0	N	N	7	20	30	30	N	<10	15	15
S32	300	<1.0	N	N	7	20	30	30	N	<10	15	15
S38	300	1.0	N	N	10	50	30	30	N	<10	15	10
S42	300	<1.0	N	N	<5	30	20	30	N	N	10	10
499	700	N	N	N	N	20	10	30	N	N	10	10
S42	300	<1.0	N	N	<5	30	20	30	N	N	10	10
071	700	1.0	N	N	10	70	70	30	N	<10	30	50
072	700	1.0	N	N	10	70	30	30	N	<10	30	30
073	700	1.5	N	N	10	70	50	50	N	10	20	50
C48	500	N	N	N	30	100	100	N	N	N	30	15
056	500	N	N	N	15	70	30	30	N	N	20	20
057	300	N	N	N	30	70	70	N	N	N	30	20
045	700	1.5	N	N	10	30	30	50	N	10	15	30
046	500	1.5	N	N	7	30	30	50	N	10	15	20
047	700	1.5	N	N	5	30	15	30	N	<10	15	20
003	500	N	N	N	70	100	50	N	N	N	30	20
004	500	N	N	N	70	150	70	N	N	N	50	10
005	700	1.0	N	N	5	50	15	30	N	<10	10	20
006	300	N	N	N	100	150	100	N	N	N	50	<10
C08	300	N	N	N	100	150	100	N	N	N	50	10
085	500	N	N	N	30	100	100	N	N	N	30	50
086	300	N	N	N	50	70	150	N	N	N	30	30
087	200	N	N	N	70	70	150	N	N	N	50	15
088	500	N	N	N	70	150	150	N	N	N	50	15
C89	300	N	N	N	100	150	100	N	N	N	70	15
031	700	N	N	N	20	70	300	30	N	<10	30	15
032	500	N	N	N	70	100	300	20	N	N	50	30
1360	500	2.0	N	N	15	70	50	50	N	N	30	30
1360A	500	3.0	N	N	15	70	15	50	N	N	30	20
1361	500	2.0	N	N	10	70	30	50	N	N	20	50
1361A	700	2.0	N	N	10	70	20	70	N	N	20	30
1368	700	2.0	N	N	10	50	20	30	N	N	30	15
1368A	500	2.0	N	N	10	50	15	30	N	N	30	15
1369	2,000	<1.0	N	N	30	50	30	30	N	N	20	15
1369A	500	2.0	N	N	15	50	20	30	N	N	20	15
1366	700	2.0	N	N	5	30	15	20	N	N	10	15
1366A	700	2.0	N	N	7	30	20	30	N	N	20	10
1367	1,000	2.0	N	N	10	50	10	30	N	N	20	20
1367A	700	2.0	N	N	7	30	10	30	N	N	15	10
1363	700	2.0	N	N	7	50	50	30	N	N	20	30

Choteau seds--continued

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
JAF028	N	--	N	--	70	N	--	N	--	--	--
JAF038	N	--	N	--	200	N	--	N	--	--	--
S52	N	5	N	N	50	N	20	N	150	N	.08
S53	N	7	N	N	50	N	20	N	150	N	.06
S54	N	10	N	<100	50	N	30	N	200	N	.04
S28	N	7	N	N	30	N	15	N	100	--	<.02
S29	N	10	N	N	50	N	20	N	150	--	.04
S31	N	15	N	N	150	N	20	N	150	--	.02
S38	N	10	N	N	70	N	20	N	100	--	.02
S31	N	15	N	N	150	N	20	N	150	--	.55
S32	N	10	N	N	70	N	20	N	150	--	.80
S32	N	10	N	N	70	N	20	N	150	--	.04
S38	N	10	N	N	70	N	20	N	100	--	.35
S42	N	5	N	N	20	N	15	N	70	--	.14
499	N	5	N	N	30	N	15	N	70	--	.06
S42	N	5	N	N	20	N	15	N	70	--	.10
071	N	15	N	N	70	N	30	N	150	--	.12
072	N	7	N	N	70	N	20	N	150	--	.06
073	N	10	N	N	70	N	20	N	150	--	.14
048	N	30	N	N	150	N	50	N	150	N	<.02
056	N	15	N	N	150	N	20	N	100	--	<.02
057	N	20	N	N	150	N	30	N	100	N	<.02
045	N	10	N	N	100	N	20	N	200	--	.02
046	N	10	N	N	50	N	30	N	150	--	.16
047	N	7	N	N	70	N	20	N	150	--	.04
003	N	30	N	<100	200	N	30	N	100	--	.03
004	N	30	N	N	200	N	30	N	100	N	.05
005	N	7	N	N	50	N	20	N	150	--	.45
006	N	50	N	N	300	N	15	N	150	N	.03
008	N	70	N	N	300	N	20	N	150	N	.04
085	N	30	N	<100	300	N	20	N	100	--	.08
086	N	30	N	100	200	N	20	N	100	--	.04
087	N	30	N	N	300	N	30	N	100	--	.04
088	N	50	N	<100	200	N	30	N	100	--	<.02
089	N	50	N	N	300	N	20	N	100	--	.02
031	N	30	N	N	200	N	30	N	150	N	.04
032	N	30	N	N	300	N	30	N	300	--	.02
1360	N	15	N	N	50	N	30	N	300	--	.20
1360A	N	15	N	N	70	N	30	N	300	N	.06
1361	N	10	N	N	70	N	30	N	150	N	.08
1361A	N	10	N	N	70	N	30	N	200	N	.06
1368	N	15	N	N	150	N	30	N	200	--	.18
1368A	N	15	N	N	70	N	20	N	200	N	.04
1369	N	30	N	N	500	N	30	N	200	N	.04
1369A	N	15	N	N	200	N	30	N	150	N	.04
1366	N	10	N	N	50	N	20	N	100	N	.08
1366A	N	7	N	N	50	N	20	N	150	N	.04
1367	N	10	N	N	70	N	20	N	200	N	.30
1367A	N	10	N	N	50	N	20	N	150	N	.04
1363	N	10	N	N	70	N	20	N	200	--	.55

sample	Latitude	Longitude	MAP_NO.	S-FEZ	S-MGZ	S-CAX	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
1363A	47 7 59	113 7 30	133	5.0	3.00	2.00	.500	700	N	N	N	100
1365	47 7 45	113 8 30	134	5.0	2.00	2.00	1.000	1,000	N	N	N	70
1365A	47 7 45	113 8 30	134	5.0	2.00	2.00	.700	1,000	N	N	N	100
JAF565	47 7 5	113 35 40	135	3.0	--	.50	--	2,000	N	N	N	--
JAF566	47 7 10	113 38 55	136	2.0	--	.50	--	700	N	N	N	--
JAF029	47 8 42	112 16 37	137	--	--	1.00	--	700	N	N	N	--
JAF035	47 8 23	112 27 5	138	--	--	.50	--	300	N	N	N	--
JAF036	47 8 35	112 27 30	138	--	--	.50	--	700	N	N	N	--
JAF037	47 8 35	112 27 40	138	--	--	1.00	--	700	N	N	N	--
S44	47 8 57	112 32 27	139	1.5	2.00	1.00	.200	500	N	N	N	50
S46	47 8 34	112 32 49	139	2.0	2.00	2.00	.200	300	N	N	N	70
S47	47 8 33	112 32 42	139	2.0	2.00	.70	.200	300	N	N	N	70
S48	47 8 21	112 32 58	139	2.0	2.00	1.50	.200	500	N	N	N	70
S49	47 8 18	112 33 24	140	2.0	1.50	1.00	.200	300	N	N	N	70
S50	47 8 17	112 33 17	140	3.0	2.00	1.50	.200	500	N	N	N	70
S51	47 8 4	112 33 42	140	3.0	2.00	2.00	.300	500	N	N	N	70
S08	47 8 54	112 34 45	141	1.5	3.00	7.00	.100	300	N	N	N	50
S09	47 8 53	112 34 37	141	3.0	3.00	7.00	.200	500	N	N	N	70
S10	47 8 46	112 34 55	141	2.0	3.00	7.00	.150	300	N	N	N	70
S08	47 8 37	112 34 17	141	1.5	3.00	7.00	.100	300	N	N	N	50
S09	47 8 37	112 34 9	141	3.0	3.00	7.00	.200	500	N	N	N	70
S10	47 8 17	112 34 38	141	2.0	3.00	7.00	.150	300	N	N	N	70
S12	47 8 9	112 34 58	141	3.0	5.00	7.00	.300	500	N	N	N	70
S12	47 8 29	112 35 10	142	3.0	5.00	7.00	.300	500	N	N	N	70
S13	47 8 14	112 35 19	142	3.0	3.00	7.00	.300	700	N	N	N	70
S28	47 8 0	112 35 39	142	2.0	2.00	7.00	.150	300	N	N	N	70
S13	47 8 1	112 35 7	142	3.0	2.00	7.00	.300	700	N	N	N	70
S30	47 8 52	112 36 5	143	3.0	2.00	5.00	.200	300	N	N	N	70
496	47 8 49	112 37 33	144	3.0	3.00	10.00	.200	300	N	N	N	70
497	47 8 29	112 37 51	144	3.0	3.00	10.00	.300	500	N	N	N	70
S39	47 8 15	112 37 51	144	3.0	1.50	3.00	.500	300	N	N	N	70
S40	47 8 10	112 37 55	144	1.5	1.00	3.00	.150	300	N	N	N	50
498	47 8 27	112 38 2	145	5.0	2.00	3.00	.500	500	N	N	N	70
S20	47 8 40	112 41 19	146	5.0	1.00	.10	.300	300	N	N	N	100
S21	47 8 35	112 41 14	146	3.0	1.00	.20	.300	500	N	N	N	150
S18	47 8 37	112 42 24	147	5.0	1.50	1.00	.300	500	N	N	N	100
S19	47 8 53	112 42 5	147	3.0	1.50	1.00	.200	500	N	N	N	100
074	47 8 11	112 45 29	148	3.0	3.00	.70	.200	700	N	N	N	150
075	47 8 12	112 45 23	148	3.0	3.00	1.50	.200	500	N	N	N	100
076	47 8 55	112 45 38	148	3.0	2.00	.70	.200	700	N	N	N	150
077	47 8 53	112 45 32	148	3.0	3.00	2.00	.300	500	N	N	N	150
084	47 8 8	112 47 41	149	3.0	3.00	1.50	.300	700	N	N	N	150
058	47 8 26	112 48 14	150	3.0	3.00	1.00	.300	1,000	N	N	N	100
C09	47 8 31	112 50 59	151	3.0	1.50	.50	.200	500	N	N	N	100
100	47 8 58	112 50 58	151	7.0	2.00	2.00	1.000	1,000	N	N	N	70
094	47 8 46	112 52 57	152	5.0	1.00	.70	1.000	1,000	N	N	N	100
095	47 8 42	112 52 57	152	10.0	2.00	3.00	>1.000	1,500	N	N	N	15
090	47 8 5	112 53 25	153	7.0	1.50	2.00	>1.000	1,500	N	N	N	20
091	47 8 1	112 53 21	153	7.0	3.00	3.00	1.000	1,500	N	N	N	15
092	47 8 28	112 53 9	153	10.0	2.00	2.00	>1.000	1,500	N	N	N	20

Choteau seds---continued

sample	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
1363A	700	3.0	N	N	10	70	20	50	N	N	20	30
1365	700	1.5	N	N	30	30	200	<20	N	N	30	20
1365A	700	2.0	N	N	20	50	70	20	N	N	20	20
JAF565	--	<5.0	N	N	--	50	50	--	N	--	50	20
JAF566	--	N	N	N	--	50	15	--	N	--	30	N
JAF029	1,000	N	N	N	--	100	30	--	N	--	70	30
JAF035	1,000	N	N	N	--	70	20	--	N	--	30	30
JAF036	1,000	N	N	N	--	100	20	--	N	--	70	30
JAF037	1,000	N	N	N	--	70	30	--	N	--	50	30
S44	500	1.5	N	N	5	30	20	20	N	N	10	15
S46	500	1.5	N	N	5	30	20	20	N	N	15	15
S47	700	1.5	N	N	7	30	20	30	N	N	15	20
S48	700	1.5	N	N	7	50	30	30	N	N	20	20
S49	500	1.5	N	N	7	30	20	30	N	N	15	20
S50	500	1.5	N	N	7	30	20	30	N	N	15	30
S51	500	2.0	N	N	10	70	30	30	N	N	20	20
S58	200	<1.0	N	N	7	20	20	30	N	N	15	20
S59	300	<1.0	N	N	7	30	15	30	N	N	15	20
S10	200	<1.0	N	N	7	30	20	20	N	N	15	30
S08	200	<1.0	N	N	7	20	20	30	N	N	15	20
S09	300	<1.0	N	N	7	30	15	30	N	N	15	20
S10	200	<1.0	N	N	7	30	20	20	N	N	15	30
S12	300	<1.0	N	N	10	30	20	20	N	N	15	20
S12	300	<1.0	N	N	10	30	20	20	N	N	15	20
S13	500	<1.0	N	N	10	50	20	50	N	<10	15	15
S28	200	1.0	N	N	7	30	15	30	N	<10	15	20
S13	500	<1.0	N	N	10	50	20	50	N	<10	15	20
S30	300	1.0	N	N	7	30	15	30	N	N	15	20
S30	300	N	N	N	5	20	30	30	N	N	10	10
S496	300	N	N	N	<5	20	20	30	N	N	7	15
S497	500	N	N	N	10	50	100	50	N	10	15	15
S39	500	<1.0	N	N	5	30	50	50	N	<10	10	15
S40	1,000	1.0	N	N	5	30	30	30	N	<10	15	15
S498	1,000	N	N	N	7	30	30	30	N	<10	15	15
S20	300	1.0	N	N	10	70	20	50	N	<10	15	15
S21	500	1.0	N	N	7	50	50	50	N	<10	15	15
S18	500	1.5	N	N	7	50	20	50	N	10	15	15
S19	700	1.0	N	N	10	50	30	50	N	<10	15	15
S74	700	1.0	N	N	10	70	50	70	N	10	30	50
S75	700	1.0	N	N	10	70	50	70	N	<10	20	70
S76	700	1.0	N	N	10	70	50	70	N	10	30	70
S77	700	1.0	N	N	15	70	30	70	N	10	20	30
S84	700	1.0	N	N	10	70	50	70	N	10	20	30
S08	500	<1.0	N	N	7	50	20	50	N	10	20	30
S09	700	N	N	N	10	50	20	20	N	<10	20	20
S100	500	N	N	N	10	50	20	20	N	<10	30	15
S094	2,000	N	N	N	50	100	100	30	N	<10	20	20
S095	300	N	N	N	15	50	700	N	N	N	50	10
S090	700	N	N	N	70	100	150	N	N	N	30	20
S091	300	N	N	N	70	30	100	N	N	N	30	20
S092	500	N	N	N	70	100	150	N	N	N	30	30

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
1363A	N	15	N	N	100	N	30	N	200	N	.06
1365	N	20	N	100	300	N	20	N	200	N	.08
1365A	N	20	N	100	150	N	20	200	150	N	.20
JAF565	N	--	N	--	50	N	--	N	--	--	.06
JAF566	N	--	N	--	70	N	--	N	--	--	.04
JAF029	N	--	N	--	100	N	--	N	--	--	--
JAF035	N	--	N	--	70	N	--	N	--	--	--
JAF036	N	--	N	--	100	N	--	N	--	--	--
JAF037	N	--	N	--	150	N	--	N	--	--	--
S44	N	7	N	N	50	N	15	N	150	N	.06
S46	N	7	N	N	50	N	15	N	150	N	.08
S47	N	7	N	N	50	N	20	N	150	N	.12
S48	N	7	N	N	50	N	20	N	150	--	.06
S49	N	7	N	N	70	N	20	N	150	N	.04
S50	N	7	N	N	50	N	20	N	200	N	.04
S51	N	7	N	<100	70	N	20	N	200	N	.10
S08	N	7	N	N	30	N	15	N	100	--	.18
S09	N	7	N	N	50	N	20	N	100	--	.06
S10	N	7	N	N	50	N	20	N	150	N	.08
S08	N	7	N	N	30	N	15	N	100	--	.08
S09	N	7	N	N	50	N	20	N	100	--	.08
S10	N	7	N	N	50	N	20	N	150	N	<.02
S12	N	7	N	N	50	N	20	N	100	N	.08
S13	N	10	N	N	50	N	20	N	100	N	.08
S28	N	7	N	N	30	N	30	N	150	--	.08
S13	N	10	N	N	50	N	15	N	100	--	.45
S30	N	7	N	N	50	N	30	N	150	--	.06
496	N	7	N	N	20	N	15	N	150	--	.04
497	N	7	N	N	20	N	20	N	100	N	.06
S39	N	10	N	N	70	N	20	N	70	--	.10
S40	N	<5	N	N	15	N	20	N	100	N	.04
498	N	10	N	N	70	N	15	N	100	N	.04
S20	N	10	N	N	70	N	30	N	70	N	.02
S21	N	10	N	N	70	N	30	N	300	--	.02
S18	N	10	N	N	70	N	30	N	200	--	.06
S19	N	10	N	N	50	N	30	N	300	--	.06
074	N	15	N	N	70	N	30	N	300	--	.12
075	N	10	N	N	70	N	30	N	200	--	.14
076	N	15	N	N	70	N	20	N	150	--	.10
077	N	15	N	N	70	N	20	N	150	--	.10
084	N	10	N	N	70	N	30	N	200	--	.11
058	N	7	N	N	70	N	20	N	150	--	.08
009	N	15	N	N	70	N	20	N	200	--	.02
100	N	20	N	N	70	N	20	N	150	--	N
094	N	15	N	N	20	N	30	N	150	--	.06
095	N	30	N	N	150	N	30	N	150	--	.35
090	N	30	N	100	200	N	30	N	100	N	.02
091	N	30	N	100	200	N	50	N	100	--	<.02
092	N	50	N	<100	300	N	20	N	70	--	.02
	N		N			N	30	N	100	--	.04

Choteau sedgs--continued

sample	Latitude	Longitude	MAP_NO.	S-FEX	S-MGZ	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
093	47 8 26	112 53 5	153	10.0	2.00	2.00	>1.000	1,500	N	N	N	15
258	47 8 53	112 56 36	154	2.0	1.00	1.50	.300	300	N	N	N	70
1357	47 8 47	113 0 45	155	3.0	1.50	.30	.500	700	N	N	N	100
1357A	47 8 47	113 0 45	155	5.0	2.00	.30	.500	700	N	N	N	150
1358	47 8 36	113 0 55	155	2.0	2.00	3.00	.300	700	N	N	N	100
1358A	47 8 36	113 0 55	155	3.0	2.00	3.00	.200	500	N	N	N	100
1359	47 8 19	113 0 21	155	3.0	2.00	1.00	.500	500	N	N	N	100
1359A	47 8 19	113 0 21	155	5.0	2.00	1.00	.300	700	N	N	N	100
1356	47 8 40	113 1 41	156	3.0	2.00	.70	.200	700	N	N	N	100
1356A	47 8 40	113 1 41	156	3.0	2.00	.20	.300	500	N	N	N	100
1354	47 8 8	113 8 56	157	2.0	1.50	.20	.200	200	N	N	N	100
1354A	47 8 8	113 8 56	157	3.0	2.00	.30	.200	300	N	N	N	100
AMS893	47 8 15	113 18 36	158	--	--	--	--	300	N	--	--	--
JAF564	47 8 35	113 36 45	159	3.0	--	1.50	--	3,000	N	N	N	--
JAF024	47 9 36	112 20 40	160	--	--	1.00	--	1,000	N	N	N	--
JAF025	47 9 12	112 20 25	160	--	--	1.00	--	700	N	N	N	--
S42	47 9 21	112 32 21	161	2.0	2.00	2.00	.200	300	N	N	N	70
S43	47 9 18	112 32 16	161	2.0	2.00	2.00	.200	300	N	N	N	70
S45	47 9 0	112 32 20	161	2.0	2.00	1.50	.200	500	N	N	N	70
S02	47 9 45	112 33 45	162	2.0	1.50	2.00	.150	500	N	N	N	70
S03	47 9 42	112 33 40	162	2.0	2.00	3.00	.150	300	N	N	N	70
S04	47 9 28	112 33 47	162	2.0	2.00	7.00	.200	300	N	N	N	70
S05	47 9 23	112 33 44	162	3.0	3.00	10.00	.150	300	N	N	N	50
S06	47 9 15	112 33 55	162	2.0	3.00	10.00	.150	500	N	N	N	70
S07	47 9 0	112 33 53	162	2.0	2.00	5.00	.150	300	N	N	N	70
S00	47 9 18	112 34 34	163	3.0	2.00	7.00	.200	300	N	N	N	50
S00	47 9 35	112 34 11	163	3.0	2.00	7.00	.200	300	N	N	N	50
S01	47 9 28	112 34 16	163	3.0	3.00	7.00	.300	500	N	N	N	70
491	47 9 46	112 37 18	164	1.5	2.00	7.00	.100	200	N	N	N	50
492	47 9 49	112 37 11	164	1.5	3.00	10.00	.100	200	N	N	N	30
493	47 9 15	112 37 24	164	2.0	2.00	10.00	.150	300	N	N	N	30
494	47 9 14	112 37 31	164	3.0	1.50	.30	.300	300	N	N	N	100
495	47 9 10	112 37 23	164	1.0	1.50	7.00	.300	300	N	N	N	50
477	47 9 26	112 38 47	165	3.0	1.50	1.50	.300	300	N	N	N	70
479	47 9 15	112 38 50	165	2.0	1.00	2.00	.200	200	N	N	N	70
543	47 9 15	112 39 51	166	3.0	1.50	1.50	.300	1,000	N	N	N	70
544	47 9 22	112 39 27	166	2.0	5.00	7.00	.100	700	N	N	N	30
522	47 9 1	112 40 27	167	2.0	3.00	7.00	.150	300	N	N	N	70
523	47 9 3	112 40 33	167	2.0	1.00	.20	.300	200	N	N	N	100
524	47 9 13	112 40 36	167	2.0	1.50	3.00	.200	300	N	N	N	70
545	47 9 8	112 40 9	167	3.0	1.50	5.00	.200	300	N	N	N	70
546	47 9 11	112 40 10	167	3.0	1.50	5.00	.300	200	N	N	N	70
078	47 9 27	112 44 50	168	2.0	1.00	.50	.200	300	N	N	N	100
079	47 9 35	112 45 32	169	2.0	.70	.15	.150	150	N	N	N	70
082	47 9 27	112 45 40	169	2.0	1.50	.70	.150	300	N	N	N	100
083	47 9 27	112 45 40	169	2.0	1.00	.70	.150	300	N	N	N	100
367	47 9 45	112 46 20	170	2.0	1.00	.20	.200	1,000	N	N	N	70
368	47 9 45	112 46 20	170	2.0	1.00	.20	.200	700	N	N	N	70
369	47 9 50	112 46 20	170	3.0	1.00	.50	.300	500	N	N	N	70
310	47 9 48	112 47 53	171	1.5	.70	.15	.300	150	N	N	N	50

sample	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
093	300	N	N	N	70	100	150	N	N	<10	30	15
258	300	1.0	N	N	10	20	10	50	N	<10	15	<10
1357	3.0	3.0	N	N	10	50	20	50	N	N	20	20
1357A	500	3.0	N	N	15	70	20	50	N	N	30	20
1358	500	2.0	N	N	10	50	20	30	N	N	15	50
1358A	500	2.0	N	N	10	50	15	50	N	N	15	20
1359	700	2.0	N	N	10	50	20	50	N	N	20	20
1359A	500	3.0	N	N	15	70	15	50	N	N	30	15
1356	500	2.0	N	N	7	50	30	30	N	N	15	30
1356A	500	3.0	N	N	10	50	10	50	N	N	30	20
1354	500	1.5	N	N	7	50	7	30	N	N	15	15
1354A	300	2.0	N	N	10	50	10	30	N	N	20	15
AMS893	700	--	--	--	N	30	10	--	--	--	10	N
JAF564	--	<5.0	N	N	--	70	20	--	N	--	50	<20
JAF024	1,000	N	N	N	--	70	30	--	N	--	50	50
JAF025	1,000	<5.0	N	N	--	70	30	--	N	--	50	50
S42	500	1.5	N	N	7	30	20	20	N	N	15	30
S43	500	1.5	N	N	7	30	20	30	N	N	15	30
S45	500	1.5	N	N	7	50	30	30	N	N	15	30
S02	200	1.5	N	N	7	30	15	30	N	N	15	30
S03	200	1.0	N	N	7	30	10	30	N	N	15	15
S04	200	1.0	N	N	7	30	15	30	N	<10	15	20
S05	200	1.0	N	N	10	50	15	50	N	<10	15	20
S06	300	1.0	N	N	7	50	20	30	N	N	15	30
S07	300	1.0	N	N	7	30	15	20	N	N	15	30
S00	300	1.5	N	N	7	30	20	30	N	<10	15	20
S00	300	1.5	N	N	7	30	20	30	N	<10	15	20
S01	300	1.0	N	N	7	30	20	30	N	N	15	30
491	200	1.0	N	N	5	20	10	<20	N	N	10	10
492	150	<1.0	N	N	5	20	10	20	N	<10	10	10
493	150	<1.0	N	N	<5	20	10	30	N	N	10	10
494	500	<1.0	N	N	7	50	30	70	N	<10	15	15
495	200	<1.0	N	N	5	10	15	30	N	N	7	20
477	500	<1.0	N	N	10	30	30	30	N	<10	15	20
479	300	1.0	N	N	5	15	7	20	N	<10	10	10
543	500	<1.0	N	N	5	30	20	50	N	N	10	15
544	150	N	N	N	5	15	20	<20	N	N	5	10
522	700	<1.0	N	N	7	20	15	20	N	N	10	20
523	300	1.0	N	N	7	50	15	50	N	<10	15	15
524	300	1.0	N	N	7	30	15	30	N	N	15	15
545	500	N	N	N	7	50	20	50	N	N	15	15
546	300	N	N	N	7	50	50	30	N	N	20	<10
078	700	1.0	N	N	10	50	50	70	N	<10	15	15
079	700	1.0	N	N	5	30	20	50	N	<10	15	10
082	700	1.0	N	N	10	50	30	70	N	<10	15	30
083	700	1.0	N	N	7	30	30	70	N	10	15	15
367	700	1.0	N	N	7	50	30	30	N	<10	15	15
368	500	1.0	N	N	7	50	20	30	N	<10	15	15
369	500	<1.0	N	N	7	50	15	50	N	<10	15	15
310	300	<1.0	N	N	7	20	<5	30	N	<10	7	15

Choteau seds---continued

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
093	N	30	N	<100	300	N	30	N	100	--	<.02
258	N	10	N	N	70	N	20	N	100	--	.06
1357	N	15	N	N	70	N	30	N	500	N	.06
1357A	N	20	N	N	70	N	50	N	500	N	.06
1358	N	10	N	N	200	N	20	N	200	N	.04
1358A	N	10	N	N	100	N	15	N	150	N	.06
1359	N	10	N	N	70	N	20	N	300	N	.06
1359A	N	15	N	N	100	N	30	N	300	N	.06
1356	N	10	N	N	100	N	30	N	200	N	.35
1356A	N	15	N	N	100	N	30	N	200	N	.04
1354	N	7	N	N	70	N	20	N	500	N	.04
1354A	N	10	N	N	70	N	20	N	200	N	.02
AMS893	--	--	N	--	50	--	10	N	--	--	--
JAF564	N	--	N	--	50	N	--	N	--	--	.06
JAF024	N	--	N	--	500	N	--	N	--	--	--
JAF025	N	--	N	--	150	N	--	N	--	--	--
S42	N	7	N	N	50	N	15	N	150	N	.18
S43	N	7	N	N	30	N	15	N	200	N	.08
S45	N	7	N	<100	50	N	15	N	200	N	.08
S02	N	7	N	N	30	N	20	N	100	--	.14
S03	N	7	N	N	50	N	15	N	100	--	.08
S04	N	7	N	N	50	N	15	N	100	--	.09
S05	N	7	N	N	30	N	20	N	100	N	.06
S06	N	7	N	N	50	N	20	N	100	--	.18
S07	N	7	N	N	50	N	20	N	100	--	.15
S00	N	7	N	N	50	N	20	N	150	--	1.20
S00	N	7	N	N	50	N	20	N	150	--	.06
S01	N	10	N	N	50	N	20	N	200	--	.08
491	N	5	N	N	20	N	10	N	70	--	.04
492	N	5	N	N	20	N	15	N	70	N	.08
493	N	5	N	N	20	N	15	N	70	--	.05
494	N	10	N	N	50	N	30	N	300	--	.04
495	N	5	N	N	15	N	10	N	70	N	.04
477	N	10	N	N	100	N	50	N	150	--	.02
479	N	7	N	N	50	N	15	N	300	N	.06
543	N	5	N	N	30	N	15	N	200	--	.04
544	N	7	N	N	20	N	N	N	70	--	.02
522	N	7	N	N	50	N	20	N	70	--	.06
523	N	10	N	N	70	N	30	N	300	--	.02
524	N	7	N	N	50	N	20	N	150	--	.06
545	N	5	N	N	30	N	15	N	70	--	.04
546	N	7	N	N	30	N	15	N	70	N	.06
078	N	7	N	N	70	N	20	N	200	--	.04
079	N	5	N	N	30	N	20	N	500	--	.02
082	N	7	N	N	50	N	20	N	150	--	.02
083	N	7	N	N	70	N	20	N	150	N	.06
367	N	10	N	N	50	N	30	N	150	N	<.02
368	N	10	N	N	50	N	30	N	150	--	.06
369	N	10	N	N	100	N	30	N	100	--	.04
310	N	7	N	N	50	N	15	N	200	N	<.02

sample	latitude	longitud	MAP_NO.	S-FEX	S-MGX	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
311	47 9 46	112 47 59	171	5.0	1.50	.50	1.000	700	N	N	N	50
313	47 9 13	112 47 54	171	5.0	1.00	.70	1.000	1,000	N	N	N	30
309	47 9 56	112 48 29	172	2.0	1.50	.70	.200	700	N	N	N	100
312	47 9 18	112 48 2	172	1.5	.70	.15	.150	300	N	N	N	70
102	47 9 36	112 50 30	173	3.0	2.00	.70	.300	300	.7	N	N	150
103	47 9 37	112 50 41	173	2.0	2.00	.15	.200	300	N	N	N	100
104	47 9 42	112 50 59	173	1.5	1.00	1.00	.300	300	N	N	N	70
106	47 9 59	112 50 16	173	15.0	1.50	1.00	>1.000	1,500	N	N	N	10
098	47 9 17	112 51 20	174	7.0	2.00	2.00	1.000	1,000	N	N	N	30
099	47 9 15	112 51 11	174	7.0	2.00	3.00	1.000	1,000	N	N	N	20
096	47 9 6	112 52 2	175	5.0	1.50	.50	1.000	700	N	N	N	70
097	47 9 1	112 52 0	175	10.0	2.00	2.00	>1.000	1,500	N	N	N	30
1379	47 9 22	113 9 33	176	1.5	1.00	.07	.300	200	N	N	N	100
1379A	47 9 22	113 9 33	176	2.0	1.50	.07	.300	300	N	N	N	100
JAF563	47 9 50	113 36 55	177	2.0	--	.20	--	500	N	N	N	--
JAF561	47 9 20	113 38 20	178	3.0	--	.30	--	1,500	N	N	N	--
JAF562	47 9 50	113 39 35	179	3.0	--	.50	--	3,000	N	N	N	--
JAF023	47 10 46	112 23 43	180	--	--	2.00	--	1,000	N	N	N	--
S19	47 10 33	112 28 4	181	3.0	1.50	1.50	.300	500	N	N	N	70
JAF034	47 10 12	112 29 6	182	--	--	.30	--	700	N	N	N	--
482	47 10 56	112 34 49	183	2.0	3.00	7.00	.150	300	N	N	N	50
483	47 10 57	112 34 55	183	3.0	3.00	1.00	.200	500	N	N	N	70
484	47 10 35	112 35 6	184	2.0	3.00	1.50	.200	700	N	N	N	50
485	47 10 32	112 35 0	184	1.5	3.00	5.00	.150	300	N	N	N	50
486	47 10 22	112 35 40	184	1.5	3.00	7.00	.150	300	N	N	N	50
487	47 10 27	112 35 40	184	2.0	2.00	5.00	.200	300	N	N	N	70
488	47 10 23	112 36 25	185	2.0	3.00	7.00	.150	300	N	N	N	50
485	47 10 27	112 36 30	185	2.0	1.50	7.00	.150	200	N	N	N	50
490	47 10 16	112 36 51	185	1.5	2.00	7.00	.150	300	N	N	N	50
466	47 10 49	112 39 6	186	2.0	2.00	5.00	.150	300	N	N	N	70
467	47 10 51	112 39 13	186	3.0	1.50	1.00	.500	300	1.0	N	N	70
469	47 10 39	112 39 13	186	5.0	1.50	5.00	.500	500	N	N	N	70
471	47 10 33	112 39 10	186	2.0	2.00	5.00	.150	300	N	N	N	70
473	47 10 1	112 39 11	186	1.5	5.00	7.00	.100	150	N	N	N	70
475	47 10 4	112 39 4	186	5.0	1.00	1.00	.700	300	N	N	N	50
480	47 10 17	112 39 57	186	2.0	5.00	7.00	.150	300	N	N	N	100
443	47 10 33	112 42 52	187	2.0	.70	.15	.200	150	N	N	N	50
444	47 10 33	112 42 52	187	2.0	.70	.15	.200	200	N	N	N	50
445	47 10 24	112 42 43	187	2.0	.70	.10	.150	150	N	N	N	50
446	47 10 25	112 42 9	187	2.0	.70	.15	.150	500	N	N	N	50
447	47 10 24	112 42 3	187	3.0	1.50	.15	.200	150	2.0	N	N	70
440	47 10 53	112 43 3	188	1.5	.50	.10	.150	150	N	N	N	50
441	47 10 22	112 43 46	188	1.5	.50	.10	.150	150	N	N	N	50
442	47 10 10	112 43 6	188	1.5	.70	.10	.150	150	N	N	N	50
080	47 10 30	112 45 19	189	3.0	.70	.30	.200	300	N	N	N	70
081	47 10 11	112 45 23	189	3.0	1.00	.30	.200	700	.7	N	N	150
392	47 10 47	112 45 32	189	1.0	.30	.07	.070	150	N	N	N	50
393	47 10 46	112 45 37	189	1.0	.50	.07	.100	100	N	N	N	50
396	47 10 56	112 45 21	189	1.0	.30	.05	.100	100	N	N	N	50
364	47 10 58	112 46 58	190	2.0	1.50	.10	.200	200	N	N	N	70

Choteau sedgs---continued

sample	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
311	300	N	N	N	20	50	20	<20	N	<10	20	15
313	300	N	N	N	20	30	30	N	N	<10	20	15
309	700	1.5	N	N	7	30	100	30	N	<10	15	30
312	500	1.0	N	N	5	30	15	20	N	<10	15	30
102	700	1.0	N	N	10	70	30	30	N	N	20	20
103	300	1.5	N	N	15	100	20	50	N	10	30	15
104	700	1.5	N	N	10	50	30	50	N	10	15	30
106	300	N	N	N	100	100	70	N	N	N	30	10
098	500	N	N	N	50	70	150	N	N	N	30	30
099	300	N	N	N	70	50	100	N	N	N	30	15
096	700	N	N	N	15	50	50	30	N	10	20	20
097	500	N	N	N	50	70	150	N	N	N	30	20
1379	700	2.0	N	N	7	30	10	30	N	N	15	15
1379A	500	2.0	N	N	7	30	15	30	N	N	15	15
JAF563	--	<5.0	N	N	--	50	15	--	N	--	30	<20
JAF561	--	<5.0	N	N	--	70	20	--	N	--	50	20
JAF562	--	<5.0	N	N	--	50	150	--	N	--	30	20
JAF023	1,000	N	N	N	--	100	150	--	N	--	70	50
S19	300	1.5	N	N	7	70	20	30	N	N	30	10
JAF034	700	N	N	N	--	70	20	--	N	--	20	30
482	300	1.0	N	N	5	30	15	30	N	N	15	20
483	500	1.0	N	N	7	30	30	30	N	<10	15	20
484	300	<1.0	N	N	7	30	20	30	N	N	15	30
485	200	<1.0	N	N	7	30	20	30	N	N	15	20
486	200	<1.0	N	N	5	30	20	30	N	N	10	20
487	200	<1.0	N	N	7	30	30	30	N	10	15	20
488	300	<1.0	N	N	5	30	30	30	N	<10	15	20
489	150	N	N	N	7	30	10	50	N	N	15	15
490	200	1.0	N	N	7	20	15	20	N	N	15	15
466	300	1.0	N	N	10	30	20	50	N	<10	15	30
467	700	<1.0	N	N	15	30	50	50	N	<10	15	30
469	1,000	<1.0	N	N	10	30	50	30	N	<10	15	30
471	700	1.0	N	N	10	30	15	30	N	<10	15	30
473	200	<1.0	N	N	10	50	10	30	N	N	15	20
475	700	<1.0	N	N	15	30	50	30	N	<10	15	20
480	150	1.0	N	N	5	20	<5	30	N	<10	15	15
443	300	<1.0	N	N	7	20	7	30	N	<10	15	15
444	300	1.0	N	N	5	20	<5	30	N	<10	15	15
445	300	<1.0	N	N	5	20	<5	20	N	<10	15	15
446	700	1.5	N	N	5	20	15	30	N	<10	15	15
447	700	1.0	N	N	7	20	<5	50	N	<10	20	15
440	1,000	1.0	N	N	5	20	<5	20	N	<10	10	<10
441	300	<1.0	N	N	5	20	5	20	N	<10	10	<10
442	300	<1.0	N	N	5	20	7	30	N	N	10	10
080	700	<1.0	N	N	7	50	30	50	N	<10	15	10
081	1,000	1.0	N	N	10	100	50	70	N	<10	30	150
392	300	<1.0	N	N	<5	20	<5	50	N	N	7	10
393	500	1.0	N	N	N	30	<5	30	N	<10	10	10
396	300	1.0	N	N	N	20	<5	30	N	N	10	10
364	500	<1.0	N	N	5	30	20	30	N	<10	10	10

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
311	N	15	N	N	100	N	20	N	100	N	<.02
313	N	20	N	N	150	N	20	N	100	N	<.02
309	N	7	N	N	50	N	20	N	150	--	.08
312	N	7	N	N	20	N	15	N	150	--	.08
102	N	10	N	N	70	N	20	N	200	--	.03
103	N	15	N	N	70	N	30	N	150	N	.18
104	N	7	N	N	70	N	20	N	150	N	.07
106	N	50	N	N	500	N	15	N	150	--	.02
098	N	30	N	<100	200	N	30	N	100	N	.02
099	N	30	N	<100	200	N	30	N	100	N	.02
096	N	15	N	N	150	N	20	N	150	--	.14
097	N	50	N	<100	200	N	30	N	100	N	<.02
1379	N	10	N	N	50	N	20	N	500	N	.02
1379A	N	10	N	N	70	N	20	N	200	N	N
JAF563	N	--	N	--	50	N	--	N	--	--	.02
JAF561	N	--	N	--	70	N	--	N	--	--	.06
JAF562	N	--	N	--	70	N	--	N	--	--	.06
JAF023	N	--	N	--	500	N	--	N	--	--	--
519	N	7	N	<100	50	N	15	N	150	N	.02
JAF034	N	--	N	--	100	N	--	N	--	--	--
482	N	7	N	N	30	N	15	N	100	--	.04
483	N	7	N	N	50	N	20	N	100	--	.08
484	N	7	N	N	30	N	20	N	100	--	.13
485	N	7	N	N	30	N	20	N	100	--	.08
486	N	5	N	N	20	N	15	N	100	--	.07
487	N	7	N	N	30	N	15	N	100	--	.08
488	N	7	N	N	30	N	15	N	100	--	.08
489	N	7	N	N	20	N	20	N	100	--	.06
490	N	7	N	N	30	N	15	N	100	--	.06
466	N	7	N	N	30	N	20	N	100	N	.08
467	N	15	N	N	100	N	20	N	100	--	.02
469	N	15	N	N	100	N	20	N	150	--	.02
471	N	7	N	N	30	N	20	N	100	--	.06
473	N	<5	N	N	20	N	10	N	50	--	.04
475	N	15	N	N	150	N	20	N	150	--	.04
480	N	5	N	N	30	N	10	N	50	N	.02
443	N	7	N	N	30	N	15	N	150	--	<.02
444	N	7	N	N	30	N	20	N	300	--	.02
445	N	7	N	N	30	N	20	N	150	N	.02
446	N	7	N	N	30	N	30	N	150	--	.04
447	N	10	N	N	30	N	20	N	150	--	.02
440	N	7	N	N	20	N	15	N	150	--	.04
441	N	5	N	N	20	N	10	N	200	--	.02
442	N	7	N	N	20	N	15	N	300	--	.02
080	N	7	N	N	70	N	30	N	150	--	.02
081	N	15	N	N	20	N	15	N	150	--	.40
392	N	<5	N	N	20	N	15	N	150	N	<.02
393	N	<5	N	N	20	N	15	N	150	--	.02
396	N	<5	N	N	20	N	10	N	150	--	.02
364	N	5	N	N	50	N	15	N	150	N	<.02

Choteau sedts---continued

sample	latitude	longitude	MAP_NO.	S-FEX	S-MGZ	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
260	47 10 29	112 47 42	191	3.0	1.00	1.00	.500	300	N	N	N	50
261	47 10 24	112 47 39	191	2.0	.70	.30	.200	200	N	N	N	70
262	47 10 20	112 47 51	191	2.0	1.00	.20	.200	300	N	N	N	70
263	47 10 27	112 47 54	191	2.0	1.00	.15	.300	300	N	N	N	70
264	47 10 12	112 47 59	191	3.0	1.00	.20	.300	300	N	N	N	70
265	47 10 8	112 47 59	191	2.0	.70	.20	.500	300	N	N	N	50
365	47 10 45	112 47 21	191	3.0	2.00	.20	.200	500	N	N	N	100
366	47 10 41	112 47 15	191	1.5	1.00	.10	.150	150	N	N	N	70
259	47 10 27	112 48 14	192	3.0	.70	.30	.200	700	N	N	N	70
308	47 10 4	112 48 20	192	1.5	.70	.30	.300	200	N	N	N	50
304	47 10 57	112 49 14	193	3.0	.70	.20	.500	300	N	N	N	100
306	47 10 47	112 49 25	193	2.0	1.00	2.00	.500	300	N	N	N	50
307	47 10 35	112 49 27	193	1.5	.70	.20	.300	200	N	N	N	50
105	47 10 1	112 50 7	194	5.0	1.00	.70	1.000	700	N	N	N	70
107	47 10 56	112 50 21	194	3.0	1.00	1.00	1.000	500	N	N	N	70
108	47 10 54	112 50 26	194	1.5	1.00	.20	.150	200	N	N	N	70
257	47 10 31	112 55 56	195	2.0	1.00	1.00	.200	300	N	N	N	70
109	47 10 56	112 57 8	196	2.0	1.00	.20	.150	500	N	N	N	100
110	47 10 50	112 57 8	196	2.0	1.00	.20	.200	300	N	N	N	70
1352	47 10 32	113 6 38	197	2.0	1.50	.15	.200	200	N	N	N	100
1352A	47 10 32	113 6 38	197	3.0	2.00	.10	.300	300	N	N	N	100
1353	47 10 19	113 6 44	197	2.0	1.50	.30	.300	700	N	N	N	100
1353A	47 10 19	113 6 44	197	5.0	2.00	.10	.300	700	N	N	N	200
1395	47 10 30	113 9 28	198	2.0	1.00	.15	.300	500	N	N	N	70
1395A	47 10 30	113 9 28	198	5.0	2.00	.20	.300	700	N	N	N	150
1396	47 10 33	113 9 40	198	1.5	1.00	.05	.200	100	N	N	N	70
1396A	47 10 33	113 9 40	198	2.0	1.50	.10	.300	200	N	N	N	70
640	47 10 58	113 12 31	199	2.0	1.50	.15	.200	150	N	N	N	100
1412	47 10 48	113 18 12	200	2.0	1.00	.20	.200	200	N	N	N	50
1412A	47 10 48	113 18 12	200	3.0	2.00	.10	.300	200	N	N	N	50
JAF560	47 10 20	113 38 55	201	3.0	--	.50	--	500	N	N	N	--
S20	47 11 3	112 27 40	202	3.0	1.50	2.00	.200	300	N	N	N	70
S21	47 11 0	112 27 38	202	3.0	1.50	2.00	.200	500	N	N	N	70
S22	47 11 50	112 27 33	202	3.0	1.50	2.00	.300	300	N	N	N	70
S33	47 11 10	112 31 49	203	5.0	3.00	3.00	>1.000	1,000	N	N	N	50
S34	47 11 10	112 31 44	203	7.0	2.00	3.00	>1.000	1,000	N	N	N	70
S35	47 11 30	112 31 38	203	7.0	2.00	3.00	>1.000	1,000	N	N	N	70
S36	47 11 40	112 31 29	203	1.5	2.00	2.00	.200	300	N	N	N	50
S37	47 11 40	112 31 33	203	5.0	1.50	1.50	.700	1,000	N	N	N	70
S7	47 11 53	112 33 45	204	3.0	3.00	7.00	.300	500	N	N	N	50
S8	47 11 50	112 33 44	204	5.0	3.00	5.00	.700	700	N	N	N	70
S9	47 11 54	112 33 8	204	2.0	3.00	7.00	.200	700	N	N	N	50
S10	47 11 52	112 33 5	204	2.0	2.00	7.00	.200	300	N	N	N	50
S38	47 11 19	112 33 20	204	2.0	1.50	1.50	.200	300	N	N	N	50
S39	47 11 15	112 33 13	204	2.0	2.00	2.00	.200	300	N	N	N	70
S40	47 11 36	112 33 8	204	2.0	3.00	3.00	.100	500	N	N	N	50
S41	47 11 40	112 33 0	204	7.0	1.50	1.50	>1.000	1,000	N	N	N	70
S6	47 11 58	112 34 23	205	3.0	3.00	2.00	.300	700	N	N	N	50
461	47 11 54	112 38 54	206	1.5	.70	.07	.150	100	N	N	N	70
462	47 11 19	112 38 54	206	7.0	1.00	1.00	1.000	700	N	N	N	70

sample	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
260	300	<1.0	N	N	15	30	30	50	N	10	10	15
261	500	1.0	N	N	7	30	15	50	N	<10	15	10
262	500	1.0	N	N	7	50	15	50	N	<10	15	10
263	500	1.0	N	N	7	30	15	30	N	<10	15	<10
264	500	<1.0	N	N	7	50	20	30	N	<10	15	<10
265	300	N	N	N	7	30	20	30	N	<10	10	<10
365	500	1.0	N	N	7	70	20	50	N	<10	15	20
366	500	<1.0	N	N	5	30	<5	20	N	<10	10	10
259	700	1.5	N	N	15	70	30	70	N	<10	20	20
308	300	<1.0	N	N	7	20	5	<20	N	<10	10	N
304	1,000	1.0	N	N	7	50	20	50	N	10	15	30
306	300	1.0	N	N	10	30	15	20	N	<10	15	20
307	300	1.0	N	N	7	20	10	30	N	<10	10	10
105	500	N	N	N	30	70	70	20	N	<10	30	20
107	500	N	N	N	15	50	30	70	N	N	20	10
108	700	1.5	N	N	10	50	70	50	N	<10	20	10
257	300	1.0	N	N	10	30	20	30	N	<10	15	10
109	700	2.0	N	N	7	70	15	70	N	<10	20	20
110	700	1.5	N	N	10	70	50	70	N	10	20	20
1352	500	2.0	N	N	7	30	10	30	N	N	15	10
1352A	300	2.0	N	N	15	70	10	50	N	N	30	15
1353	700	2.0	N	N	10	50	300	30	N	N	20	20
1353A	500	2.0	N	N	10	70	15	70	N	N	30	20
1395	500	1.0	N	N	5	20	15	20	N	N	15	10
1395A	500	2.0	N	N	10	50	15	30	N	N	30	10
1396	300	1.0	N	N	5	15	<5	<20	N	N	10	<10
1396A	300	2.0	N	N	5	20	5	30	N	N	15	<10
640	300	1.0	N	N	5	20	10	20	N	N	15	20
1412	300	1.0	N	N	5	30	15	20	N	N	10	10
1412A	300	1.5	N	N	10	50	10	20	N	N	15	10
JAF560	--	5.0	N	N	--	100	20	--	N	--	70	20
S20	300	1.5	N	N	7	50	15	30	N	N	20	10
S21	300	1.5	N	N	7	70	15	30	N	N	20	10
S22	300	1.5	N	N	7	70	15	70	N	N	30	10
S33	300	2.0	N	N	10	70	100	30	N	N	20	30
S34	300	1.5	N	N	20	70	100	20	N	N	30	50
S35	300	2.0	N	N	20	70	100	30	N	N	30	20
S36	200	1.0	N	N	5	50	20	20	N	N	20	20
S37	300	2.0	N	N	10	50	50	30	N	N	30	30
S7	150	1.0	N	N	7	20	30	30	N	N	20	30
S8	200	1.5	N	N	15	50	100	50	N	N	30	30
S9	200	1.5	N	N	5	30	30	30	N	N	20	30
S10	200	1.0	N	N	5	50	30	30	N	N	15	20
S38	300	1.5	N	N	<5	30	15	20	N	N	15	20
S39	300	1.5	N	N	<5	30	15	30	N	N	15	20
S40	200	1.0	N	N	5	30	15	30	N	N	15	50
S41	500	1.5	N	N	20	70	30	20	N	<20	20	20
S6	300	2.0	N	N	7	30	30	30	N	N	20	70
461	300	<1.0	N	N	<5	20	<5	20	N	<10	7	<10
462	1,500	N	N	N	30	50	70	<20	N	<10	20	15

Choteau seds---continued

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
260	N	15	N	N	100	N	30	N	500	--	<.02
261	N	7	N	N	50	N	20	N	150	--	.02
262	N	7	N	N	50	N	20	N	150	N	.04
263	N	7	N	N	50	N	20	N	150	N	.02
264	N	10	N	N	70	N	20	N	150	--	.02
265	N	10	N	N	100	N	200	N	150	--	.04
265	N	10	N	N	50	N	30	N	100	--	.04
365	N	5	N	N	30	N	20	N	200	--	.02
366	N	15	N	N	50	N	30	N	150	N	.06
259	N	7	N	N	50	N	15	N	150	N	.04
308	N	10	N	N	70	N	20	N	200	--	.04
304	N	10	N	N	100	N	20	N	150	--	.02
306	N	10	N	N	70	N	15	N	100	N	.02
307	N	7	N	N	150	N	20	N	150	--	.03
105	N	20	N	100	150	N	20	N	150	--	.02
107	N	15	N	N	150	N	30	N	300	--	.04
108	N	10	N	N	50	N	20	N	150	--	.02
257	N	10	N	N	70	N	20	N	100	--	.07
109	N	10	N	N	70	N	20	N	200	--	.05
110	N	10	N	N	70	N	20	N	200	N	.04
1352	N	7	N	N	70	N	20	N	150	N	.06
1352A	N	10	N	N	70	N	20	N	200	N	.14
1353	N	10	N	N	70	N	30	N	200	N	.04
1353A	N	15	N	N	100	N	30	N	300	N	.04
1395	N	5	N	N	30	N	15	N	200	N	.04
1395A	N	10	N	N	70	N	20	N	300	N	.04
1396	N	<5	N	<100	30	N	15	N	200	N	N
1396A	N	5	N	N	50	N	20	N	150	N	N
640	N	7	N	N	70	N	20	N	500	N	.03
1412	N	5	N	N	30	N	20	N	150	N	.12
1412A	N	10	N	N	50	N	20	N	150	--	---
JAF560	N	--	N	--	70	N	--	N	--	--	.10
S20	N	7	N	<100	70	N	20	N	300	N	<.20
S21	N	7	N	<100	70	N	15	N	150	N	.04
S22	N	7	N	<100	50	N	15	N	200	N	.04
S33	N	15	N	100	300	N	30	N	100	N	.04
S34	N	20	10	<100	300	N	30	N	200	N	.04
S35	N	15	N	<100	300	N	30	N	200	N	.02
S36	N	7	N	N	50	N	20	N	100	N	.02
S37	N	15	N	N	150	N	30	N	200	N	.04
S7	N	5	N	100	70	N	20	N	50	N	.04
S8	N	15	N	100	200	N	30	N	150	N	.04
S9	N	5	N	100	50	N	15	N	100	N	.04
S10	N	7	N	<100	50	N	15	N	100	--	.04
S38	N	7	N	N	50	N	20	N	150	N	.02
S39	N	7	N	N	50	N	20	N	150	--	.02
S40	N	7	N	100	20	N	20	N	100	N	.02
S41	N	30	N	<100	300	N	50	N	200	N	.02
S6	N	7	70	N	50	N	20	N	100	N	.08
461	N	<5	N	N	15	N	15	N	150	--	.02
462	N	20	N	N	300	N	20	N	150	--	.04

sample	Latitude	Longitude	MAP_NO.	S-FEX	S-MGZ	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
463	47 11 1	112 39 7	207	3.0	1.50	1.50	.300	500	N	N	N	70
465	47 11 0	112 39 17	207	2.0	3.00	3.00	.150	200	N	N	N	70
431	47 11 55	112 42 23	208	2.0	.70	.20	.200	500	N	N	N	70
433	47 11 48	112 42 46	208	2.0	1.00	.10	.150	150	N	N	N	50
434	47 11 37	112 42 56	208	1.5	1.00	.15	.150	200	N	N	N	50
435	47 11 39	112 42 38	208	2.0	1.50	.20	.200	500	N	N	N	70
436	47 11 34	112 42 44	208	1.0	.50	.05	.100	70	N	N	N	30
437	47 11 13	112 42 33	208	1.5	.70	.10	.150	150	N	N	N	50
438	47 11 18	112 42 37	208	3.0	.70	.50	.200	150	N	N	N	70
439	47 11 19	112 42 50	208	1.5	.50	.10	.150	200	N	N	N	50
339	47 11 59	112 45 39	209	1.0	.50	.15	.070	200	N	N	N	50
390	47 11 49	112 45 32	209	1.5	.50	.07	.100	150	N	N	N	50
391	47 11 25	112 45 49	209	1.5	.70	.10	.100	150	N	N	N	70
359	47 11 39	112 46 46	210	2.0	1.50	.15	.150	300	N	N	N	70
360	47 11 41	112 46 53	210	2.0	1.00	.10	.150	150	N	N	N	70
361	47 11 5	112 46 57	210	2.0	1.00	.15	.150	200	N	N	N	70
362	47 11 4	112 46 50	210	3.0	2.00	.20	.150	700	N	N	N	100
357	47 11 54	112 47 30	211	2.0	1.00	.15	.150	200	N	N	N	50
358	47 11 53	112 47 0	211	2.0	.70	.15	.150	200	N	N	N	50
363	47 11 0	112 47 6	211	2.0	2.00	.20	.150	300	N	N	N	100
300	47 11 23	112 49 18	212	3.0	1.50	.30	.300	500	N	N	N	100
301	47 11 24	112 49 14	212	1.5	.70	.20	.150	300	N	N	N	70
302	47 11 19	112 49 5	212	3.0	1.00	.15	.200	700	N	N	N	70
303	47 11 21	112 49 8	212	2.0	1.00	.15	.200	500	N	N	N	70
305	47 11 2	112 49 17	212	1.5	1.00	3.00	.150	300	N	N	N	50
251	47 11 15	112 51 55	213	5.0	1.00	.70	.700	500	N	N	N	70
252	47 11 7	112 51 54	213	3.0	1.00	.70	.700	500	N	N	N	70
298	47 11 45	112 51 29	213	5.0	1.50	1.00	.500	700	N	N	N	70
249	47 11 46	112 52 37	214	7.0	1.00	1.00	1.000	1,000	N	N	N	50
250	47 11 46	112 52 37	214	5.0	1.00	1.00	.700	1,000	N	N	N	50
253	47 11 3	112 52 6	214	3.0	1.50	.70	.300	500	N	N	N	70
255	47 11 41	112 54 30	215	3.0	1.00	1.50	.700	500	N	N	N	70
254	47 11 50	112 55 0	216	2.0	1.00	.70	.200	300	N	N	N	70
256	47 11 16	112 55 5	216	2.0	1.00	1.00	.300	300	N	N	N	70
111	47 11 26	112 56 39	217	1.0	.50	.30	.150	200	N	N	N	50
112	47 11 24	112 56 47	217	1.5	1.00	.50	.200	200	N	N	N	70
113	47 11 24	112 56 30	217	15.0	1.50	.70	>1.000	1,500	N	N	N	15
114	47 11 53	112 56 30	217	1.5	1.00	.15	.070	150	N	N	N	70
118	47 11 20	112 58 5	218	5.0	1.00	1.00	1.000	300	N	N	N	50
1343	47 11 44	113 0 58	219	1.5	1.00	.20	.200	100	N	N	N	50
1343A	47 11 44	113 0 58	219	2.0	1.50	.07	.200	700	N	N	N	100
1344	47 11 21	113 3 59	220	1.5	1.00	.20	.200	500	N	N	N	70
1344A	47 11 21	113 3 59	220	3.0	2.00	.10	.300	300	N	N	N	150
1345	47 11 32	113 4 40	221	1.5	1.50	.20	.200	300	N	N	N	70
1345A	47 11 32	113 4 40	221	3.0	2.00	.20	.300	300	N	N	N	150
1346	47 11 37	113 5 2	222	3.0	1.50	.20	.200	500	N	N	N	100
1346A	47 11 37	113 5 2	222	3.0	2.00	.15	.300	300	N	N	N	100
1347	47 11 17	113 5 2	222	2.0	1.50	.15	.200	200	N	N	N	100
1347A	47 11 17	113 5 2	222	5.0	3.00	.20	.300	500	N	N	N	150
1348	47 11 24	113 5 50	222	2.0	1.50	.15	.200	300	N	N	N	100

Choteau seds---continued

sample	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
463	500	1.0	N	N	10	50	30	20	N	<10	20	15
465	300	1.0	N	N	10	100	15	70	N	<10	20	20
431	500	1.0	N	N	5	30	20	30	N	N	15	20
433	300	1.0	N	N	7	30	7	20	N	N	15	<10
434	500	1.0	N	N	7	30	10	30	N	N	15	15
435	500	1.0	N	N	7	30	10	30	N	10	15	10
436	300	<1.0	N	N	5	20	<5	<20	N	N	10	<10
437	1,000	1.0	N	N	5	20	<5	30	N	<10	15	10
438	300	1.0	N	N	7	30	<5	30	N	<10	15	10
439	300	<1.0	N	N	5	30	<5	20	N	N	15	15
389	300	1.0	N	N	<5	30	7	50	N	N	7	10
390	500	<1.0	N	N	5	30	5	50	N	<10	15	10
391	300	1.0	N	N	5	30	15	50	N	<10	15	10
359	500	1.5	N	N	5	30	7	50	N	<10	15	10
360	500	1.0	N	N	5	50	5	<20	N	<10	15	10
361	500	1.0	N	N	5	50	15	30	N	<10	15	10
362	500	1.0	N	N	7	70	30	30	N	10	15	50
357	500	1.0	N	N	<5	50	10	30	N	<10	10	10
358	500	1.0	N	N	N	50	15	20	N	<10	10	10
363	700	1.0	N	N	7	50	20	30	N	10	15	20
300	700	1.5	N	N	7	70	30	50	N	<10	20	20
301	700	1.5	N	N	7	50	15	50	N	10	15	15
302	700	1.0	N	N	10	70	30	50	N	<10	20	30
303	700	1.0	N	N	5	30	20	30	N	N	15	15
305	300	1.0	N	N	7	30	20	30	N	<10	15	20
251	1,000	N	N	N	10	70	30	20	N	<10	20	15
252	300	N	N	N	10	50	50	30	N	10	20	15
298	300	1.0	N	N	7	30	20	30	N	<10	15	15
249	500	N	N	N	15	50	50	30	N	<10	15	10
250	300	N	N	N	10	30	70	N	N	<10	15	10
253	300	1.0	N	N	7	50	30	30	N	10	20	30
255	500	<1.0	N	N	5	30	30	30	N	<10	15	10
254	500	<1.0	N	N	10	30	15	30	N	<10	15	15
256	300	1.0	N	N	10	50	20	50	N	<10	10	10
111	700	2.0	N	N	<5	50	30	50	N	N	15	15
112	700	1.5	N	N	10	70	30	70	N	10	15	15
113	300	N	N	N	100	150	50	N	N	N	30	10
114	500	<1.0	N	N	10	50	10	70	N	10	20	15
118	300	N	N	N	20	50	70	50	N	<10	30	15
1343	500	1.5	N	N	N	20	10	<20	N	N	7	N
1343A	300	1.5	N	N	7	30	10	30	N	N	15	10
1344	500	2.0	N	N	<5	30	20	30	N	N	10	<10
1344A	300	1.5	N	N	10	50	N	30	N	N	20	10
1345	500	1.5	N	N	<5	30	7	30	N	N	10	<10
1345A	700	2.0	N	N	10	70	<5	30	N	N	20	15
1346	500	2.0	N	N	7	50	15	30	N	N	20	15
1346A	300	2.0	N	N	10	50	5	30	N	N	20	10
1347	500	2.0	N	N	5	30	10	20	N	N	15	<10
1347A	500	2.0	N	N	10	70	7	50	N	N	20	15
1348	500	1.5	N	N	5	50	10	30	N	N	15	10

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
463	N	10	N	N	70	N	20	N	100	--	.02
465	N	7	N	N	30	N	15	N	100	--	<.02
431	N	7	N	N	50	N	30	N	150	--	.18
433	N	7	N	N	50	N	20	N	150	--	.06
434	N	7	N	N	30	N	20	N	200	N	.02
435	N	7	N	N	50	N	15	N	200	N	<.02
436	N	5	N	N	20	N	10	N	100	--	.04
437	N	7	N	N	30	N	20	N	300	--	<.02
438	N	7	N	N	50	N	20	N	150	--	.02
439	N	5	N	N	20	N	15	N	100	--	<.02
389	N	<5	N	N	20	N	15	N	70	--	.08
390	N	5	N	N	30	N	20	N	150	--	<.02
391	N	5	N	N	30	N	15	N	150	--	.02
359	N	7	N	N	30	N	20	N	150	--	.04
360	N	5	N	N	30	N	15	N	300	N	.02
361	N	5	N	N	50	N	15	N	200	--	<.02
362	N	10	N	N	50	N	20	N	150	--	.08
357	N	5	N	N	50	N	15	N	200	N	.02
358	N	5	N	N	30	N	20	N	150	--	.04
363	N	10	N	N	50	N	20	N	150	--	.06
300	N	10	N	N	70	N	20	N	150	--	.02
301	N	7	N	N	70	N	20	N	100	--	.02
302	N	10	N	N	70	N	20	N	150	--	.04
303	N	7	N	N	50	N	20	N	150	--	.06
305	N	10	N	N	50	N	20	N	100	N	.02
251	N	15	N	N	150	N	30	N	150	--	.06
252	N	10	N	N	70	N	20	N	150	--	.08
298	N	10	N	N	100	N	20	N	200	--	.02
249	N	20	N	N	300	N	15	N	100	N	.10
250	N	15	N	N	100	N	15	N	150	N	.04
253	N	7	N	N	50	N	15	N	150	--	.04
255	N	10	N	N	100	N	20	N	300	N	<.02
254	N	7	N	N	50	N	20	N	200	--	.04
256	N	10	N	N	70	N	20	N	150	--	.04
111	N	10	N	N	30	N	30	N	100	--	.12
112	N	10	N	N	70	N	20	N	300	--	.03
113	N	70	N	N	300	N	15	N	100	--	.03
114	N	10	N	N	50	N	20	N	100	--	.03
118	N	20	N	N	150	N	20	N	150	--	N
1343	N	7	N	N	50	N	20	N	300	N	.30
1343A	N	10	N	N	50	N	20	N	300	N	.04
1344	N	10	N	N	50	N	30	N	150	--	2.00
1344A	N	10	N	N	70	N	20	N	300	N	.06
1345	N	7	N	N	50	N	20	N	150	N	.35
1345A	N	10	N	N	70	N	30	N	300	N	.26
1346	N	10	N	N	70	N	30	N	150	N	.40
1346A	N	10	N	N	70	N	20	N	200	N	1.00
1347	N	7	N	N	50	N	20	N	300	N	.12
1347A	N	10	N	N	70	N	20	N	300	N	.06
1348	N	7	N	N	50	N	20	N	300	N	.12

sample	latitude	longitude	MAP_NO.	S-FEX	S-MGX	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
1348A	47 11 24	113 5 50	222	5.0	2.00	.15	.300	300	N	N	N	150
1349	47 11 19	113 5 27	222	2.0	1.50	.10	.200	200	N	N	N	100
1349A	47 11 19	113 5 27	222	5.0	2.00	.15	.300	300	N	N	N	150
1350	47 11 10	113 5 41	222	3.0	1.50	.30	.300	500	N	N	N	100
1350A	47 11 10	113 5 41	222	5.0	2.00	.10	.300	300	N	N	N	150
1351	47 11 1	113 6 26	223	2.0	1.50	.20	.200	500	N	N	N	100
1351A	47 11 1	113 6 26	223	3.0	2.00	.10	.300	300	N	N	N	150
1393	47 11 5	113 9 25	224	2.0	1.50	.50	.200	500	N	N	N	70
1393A	47 11 5	113 9 25	224	3.0	1.50	.30	.300	500	N	N	N	100
1394	47 11 13	113 9 35	224	1.5	1.00	.07	.200	150	N	N	N	70
1394A	47 11 13	113 9 35	224	1.5	1.00	.07	.150	150	N	N	N	70
635	47 11 6	113 12 12	225	2.0	1.50	.20	.300	150	N	N	N	70
636	47 11 37	113 12 38	225	3.0	2.00	.10	.300	150	N	N	N	70
1382	47 11 25	113 15 26	226	1.5	1.50	.20	.200	200	N	N	N	100
1382A	47 11 25	113 15 26	226	3.0	2.00	.10	.300	300	N	N	N	100
1399	47 11 48	113 16 57	227	3.0	1.00	.20	.200	200	N	N	N	30
1399A	47 11 48	113 16 57	227	5.0	2.00	.07	.300	200	N	N	N	50
1408	47 11 45	113 18 14	228	2.0	1.00	.10	.200	150	N	N	N	30
1408A	47 11 45	113 18 14	228	3.0	1.50	.10	.300	200	N	N	N	50
1409	47 11 37	113 18 31	228	2.0	1.00	.10	.200	100	N	N	N	30
1409A	47 11 37	113 18 31	228	3.0	2.00	.07	.300	100	N	N	N	50
1410	47 11 16	113 18 17	228	3.0	1.00	.15	.200	200	N	N	N	30
1410A	47 11 16	113 18 17	228	3.0	2.00	.07	.300	200	N	N	N	50
1411	47 11 8	113 18 6	228	2.0	1.00	.30	.150	150	N	N	N	30
1411A	47 11 8	113 18 6	228	3.0	2.00	.10	.300	200	N	N	N	50
590	47 11 23	113 23 10	229	3.0	1.00	.15	.300	300	N	N	N	150
591	47 11 36	113 23 8	229	3.0	1.00	.10	.300	500	N	N	N	150
592	47 11 56	113 23 31	229	3.0	1.00	.20	.300	300	N	N	N	100
CH34	47 11 8	113 24 12	230	2.0	.70	1.00	.300	300	N	<200	--	70
589	47 11 9	113 24 14	230	2.0	.70	.50	.150	150	N	<200	--	70
CH33	47 11 29	113 25 58	231	3.0	1.00	.50	.500	300	N	<200	--	70
583	47 11 49	113 25 39	231	3.0	1.00	.20	.200	150	N	N	N	100
584	47 11 52	113 25 55	231	3.0	1.00	.30	.200	200	N	N	N	100
CH32	47 11 32	113 27 24	232	2.0	1.00	.50	.200	200	N	<200	--	70
582	47 11 34	113 27 23	232	2.0	.70	.10	.150	200	N	N	N	70
JAF567	47 11 35	113 35 5	233	3.0	--	.20	--	1,500	N	N	N	--
JAF558	47 11 5	113 41 30	234	3.0	--	.30	--	1,000	N	N	N	--
JAF021	47 12 33	112 24 5	235	--	--	1.00	--	1,000	N	N	N	--
JAF022	47 12 27	112 24 5	235	--	--	1.50	--	1,000	N	N	N	--
S23	47 12 19	112 27 35	236	2.0	1.00	.30	.200	1,000	N	N	N	70
S24	47 12 44	112 27 36	236	2.0	1.00	.30	.200	500	N	N	N	100
S25	47 12 39	112 27 41	236	2.0	1.50	2.00	.200	300	N	N	N	70
AMS884	47 12 48	112 30 18	237	--	--	--	--	500	N	--	--	--
S13	47 12 44	112 30 55	237	5.0	7.00	10.00	.500	700	N	N	N	30
S12	47 12 20	112 32 2	238	2.0	3.00	7.00	.300	300	N	N	N	30
S1	47 12 9	112 35 41	239	2.0	7.00	10.00	.100	500	N	N	N	70
S2	47 12 7	112 35 41	239	3.0	3.00	2.00	.150	700	N	N	N	50
S3	47 12 3	112 35 6	239	2.0	5.00	7.00	.150	300	N	N	N	30
S4	47 12 0	112 35 4	239	3.0	5.00	5.00	.200	700	N	N	N	50
453	47 12 31	112 38 10	240	7.0	1.50	1.00	1.000	700	N	N	N	50

sample	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
1342A	500	2.0	N	N	10	70	15	30	N	N	30	15
1349	300	1.5	N	N	5	30	5	20	N	N	15	10
1349A	500	2.0	N	N	15	70	5	50	N	N	30	15
1350	700	2.0	N	N	10	50	30	30	N	N	15	15
1350A	300	2.0	N	N	15	70	15	30	N	N	30	15
1351	500	2.0	N	N	10	50	30	30	N	N	15	15
1351A	500	2.0	N	N	15	70	10	50	N	N	30	15
1393	500	1.5	N	N	7	20	20	20	N	N	15	<10
1393A	300	2.0	N	N	10	50	10	30	N	N	20	<10
1394	300	1.5	N	N	<5	15	7	<20	N	N	10	<10
1394A	150	1.0	N	N	5	15	<5	20	N	N	15	<10
635	500	3.0	10	N	5	10	10	50	<5.0	N	15	10
636	300	3.0	N	N	5	20	15	50	N	N	15	10
1382	500	2.0	N	N	5	30	10	30	N	N	15	<10
1382A	300	2.0	N	N	10	50	10	30	N	N	30	15
1399	300	1.5	N	N	7	30	20	20	N	N	15	10
1399A	200	1.5	N	N	10	50	10	30	N	N	20	15
1408	300	1.0	N	N	<5	30	10	20	N	N	5	10
1408A	300	1.5	N	N	10	50	10	30	N	N	15	20
1409	150	1.5	N	N	<5	20	15	<20	N	N	5	10
1409A	100	1.5	N	N	7	50	<5	20	N	N	15	10
1410	300	1.5	N	N	<5	20	15	20	N	N	7	15
1410A	200	1.5	N	N	10	50	10	30	N	N	15	10
1411	500	1.5	N	N	<5	30	15	30	N	N	7	<10
1411A	300	1.5	N	N	10	50	7	20	N	N	15	10
590	300	2.0	N	N	10	50	30	50	N	N	20	20
591	200	2.0	N	N	10	50	20	30	N	N	20	30
592	300	2.0	N	N	10	30	50	30	N	N	20	20
CH34	1,000	2.0	<10	<20	N	30	10	<20	<5.0	--	15	N
589	300	1.5	N	<20	7	50	10	N	<5.0	N	15	20
CH33	700	2.0	<10	<20	10	50	50	50	N	--	20	N
583	200	1.5	N	N	10	50	20	20	N	N	15	20
584	200	1.5	N	N	10	70	20	20	N	N	20	15
CH32	500	2.0	<10	<20	10	50	20	50	<5.0	--	15	N
582	150	2.0	N	N	5	20	30	30	N	N	15	20
JAF567	--	5.0	N	N	--	70	20	--	N	--	50	<20
JAF558	--	<5.0	N	N	--	70	15	--	N	--	50	<20
JAF021	1,000	<5.0	N	N	--	70	30	--	N	--	50	100
JAF022	700	<5.0	N	N	--	70	70	--	N	--	50	100
S23	700	1.5	N	N	5	30	20	70	N	N	15	20
S24	700	2.0	N	N	7	50	30	30	N	N	20	30
S25	700	1.5	N	N	7	70	20	150	N	N	30	20
AMS884	300	--	--	--	7	30	15	--	N	--	10	30
S13	200	<1.0	N	N	7	30	30	20	N	N	20	15
S12	150	N	N	N	5	30	20	20	N	N	15	20
S1	100	<1.0	N	N	7	70	30	20	<5.0	N	30	20
S2	300	1.5	N	N	7	50	30	30	N	N	15	30
S3	200	<1.0	N	N	7	70	20	30	<5.0	N	30	30
S4	300	1.0	N	N	7	50	50	30	N	N	20	30
453	300	N	N	N	30	100	100	<20	N	<10	30	20

Choteau seds---continued

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
1348A	N	10	N	N	70	N	20	N	200	N	.04
1349	N	5	N	N	50	N	15	N	150	N	.06
1349A	N	10	N	N	70	N	50	N	200	N	.02
1350	N	10	N	N	70	N	30	N	150	N	.45
1350A	N	15	N	N	70	N	30	N	300	N	.20
1351	N	10	N	N	50	N	20	N	150	N	.20
1351A	N	10	N	N	70	N	20	N	200	N	.12
1393	N	7	N	N	50	N	20	N	150	N	.10
1393A	N	10	N	N	50	N	20	N	150	N	.04
1394	N	5	N	N	30	N	20	N	150	N	N
1394A	N	<5	N	N	30	N	15	N	100	N	.50
635	N	5	N	N	70	N	20	N	300	N	.04
636	N	7	N	N	70	N	30	N	300	N	.02
1382	N	7	N	N	50	N	20	N	150	N	.02
1382A	N	10	N	N	100	N	30	N	300	N	.02
1399	N	7	N	N	30	N	20	N	100	<.50	.80
1399A	N	10	N	N	50	N	20	N	150	N	---
1408	N	7	N	N	30	N	15	N	150	N	.08
1408A	N	7	N	N	50	N	20	N	150	N	---
1409	N	5	N	N	30	N	15	N	150	N	.55
1409A	N	7	N	N	50	N	20	N	150	N	---
1410	N	5	N	N	30	N	20	N	150	N	.18
1410A	N	7	N	N	50	N	15	N	150	N	---
1411	N	5	N	N	30	N	20	N	150	N	.18
1411A	N	7	N	N	50	N	20	N	150	N	---
S90	N	15	N	N	100	N	30	N	300	N	.10
S91	N	15	N	N	100	N	30	N	150	N	.11
S92	N	15	N	N	100	N	30	N	150	N	.12
CH34	<100	5	N	<100	50	<50	10	N	200	N	---
S89	N	10	N	N	70	N	30	N	150	N	.54
CH33	<100	7	N	<100	70	<50	15	N	300	N	---
S83	N	10	N	N	70	N	30	N	200	N	.23
S84	N	15	N	N	100	N	70	N	200	N	.12
CH32	<100	5	N	<100	50	<50	15	N	200	N	---
S82	N	7	N	N	70	N	20	N	150	N	.06
JAF567	N	---	N	---	70	N	---	N	---	N	.06
JAF558	N	---	N	---	70	N	---	N	---	N	.04
JAF021	N	---	N	---	100	N	---	N	---	N	---
JAF022	N	---	N	---	300	N	---	N	---	N	---
S23	N	7	N	<100	50	N	20	N	300	N	.02
S24	N	10	N	N	70	N	30	N	150	N	.04
S25	N	10	N	<100	100	N	20	N	300	N	.04
AMS884	---	---	N	---	100	---	15	N	---	N	---
S13	N	10	N	N	150	N	15	N	70	N	.04
S12	N	5	N	<100	50	N	15	N	70	N	.04
S1	N	5	N	200	50	N	15	N	30	N	.06
S2	N	7	N	N	30	N	30	N	100	N	.08
S3	N	5	N	100	30	N	15	N	50	N	.04
S4	N	7	N	N	50	N	20	N	100	N	.06
453	N	30	N	N	200	N	30	N	100	N	.02

sample	latitude	longitude	MAP_NO.	S-FEX	S-MGX	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
454	47 12 35	112 38 12	240	3.0	2.00	2.00	.700	300	N	N	N	70
455	47 12 28	112 38 22	240	3.0	2.00	.15	.200	300	N	N	N	70
456	47 12 17	112 38 38	240	2.0	1.00	.15	.200	300	N	N	N	70
457	47 12 18	112 38 27	240	5.0	1.50	1.50	1.000	500	N	N	N	50
458	47 12 8	112 38 52	240	3.0	1.00	.10	.200	200	N	N	N	70
459	47 12 3	112 38 48	240	3.0	1.50	1.00	.300	500	N	N	N	70
460	47 12 0	112 38 40	240	3.0	1.50	2.00	.500	300	N	N	N	50
412	47 12 59	112 40 4	241	2.0	1.50	2.00	.150	300	N	N	N	50
413	47 12 54	112 40 12	241	2.0	1.00	.70	.150	200	N	N	N	70
414	47 12 58	112 40 17	241	2.0	1.50	1.00	.150	300	N	N	N	50
415	47 12 40	112 40 43	241	2.0	1.50	1.00	.200	300	N	N	N	70
416	47 12 30	112 40 53	241	1.5	1.00	.50	.100	200	N	N	N	70
417	47 12 31	112 41 8	242	1.5	1.00	.50	.100	300	N	N	N	50
418	47 12 22	112 41 16	242	1.5	1.00	.70	.200	300	N	N	N	50
419	47 12 26	112 41 23	242	1.5	1.00	.70	.150	200	N	N	N	50
420	47 12 12	112 41 34	242	2.0	1.00	.50	.150	300	N	N	N	70
421	47 12 8	112 42 8	243	1.5	1.00	1.00	.150	300	N	N	N	70
422	47 12 13	112 42 26	243	2.0	1.00	.15	.150	200	N	N	N	70
432	47 12 0	112 42 28	243	2.0	1.00	.15	.200	300	N	N	N	70
430	47 12 54	112 43 0	244	3.0	1.50	.15	.200	300	N	N	N	100
385	47 12 32	112 45 27	245	1.5	.70	.07	.100	150	N	N	N	50
386	47 12 34	112 45 22	245	1.0	.50	.10	.100	150	N	N	N	30
387	47 12 4	112 45 25	245	2.0	1.00	.10	.150	150	N	N	N	70
388	47 12 7	112 45 30	245	1.5	.70	.10	.150	150	N	N	N	50
282	47 12 14	112 49 19	246	3.0	1.50	.15	.150	300	N	N	N	70
283	47 12 18	112 49 23	246	3.0	2.00	.20	.200	1,000	N	N	N	100
284	47 12 13	112 49 31	246	3.0	1.50	.20	.200	700	N	N	N	70
285	47 12 8	112 49 33	246	3.0	1.50	.20	.200	700	N	N	N	100
266	47 12 11	112 50 6	247	2.0	1.00	.50	.200	500	N	N	N	100
267	47 12 14	112 50 10	247	3.0	1.00	.15	.200	500	N	N	N	100
268	47 12 13	112 50 51	247	3.0	.70	.15	.200	700	N	N	N	100
269	47 12 7	112 50 51	247	3.0	1.00	.10	.200	300	N	N	N	100
270	47 12 5	112 50 45	247	3.0	1.00	.20	.300	500	N	N	N	100
271	47 12 10	112 50 44	247	2.0	1.00	.10	.200	300	N	N	N	100
286	47 12 7	112 50 25	247	3.0	1.50	.20	.200	1,000	N	N	N	100
288	47 12 11	112 50 59	247	3.0	1.50	.15	.300	300	N	N	N	100
290	47 12 40	112 50 57	247	5.0	1.50	.30	.300	300	N	N	N	150
287	47 12 7	112 51 2	248	3.0	1.50	.30	.200	500	N	N	N	70
289	47 12 18	112 51 9	248	3.0	.70	.20	.200	1,500	N	N	N	70
235	47 12 40	112 52 32	249	1.5	.70	.15	.150	150	N	N	N	70
245	47 12 36	112 52 21	249	2.0	1.50	1.50	.300	300	N	N	N	100
246	47 12 58	112 52 2	249	1.5	1.00	.50	.150	200	N	N	N	100
248	47 12 3	112 52 55	249	2.0	1.00	.70	.150	150	N	N	N	70
116	47 12 23	112 56 18	250	1.5	1.00	2.00	.150	150	N	N	N	70
117	47 12 28	112 56 12	250	5.0	1.00	1.00	.700	300	N	N	N	100
124	47 12 47	112 56 47	250	1.5	.70	.15	.150	150	N	N	N	50
125	47 12 45	112 56 23	250	3.0	2.00	3.00	.200	300	N	N	N	100
126	47 12 53	112 56 45	250	5.0	1.00	1.50	.500	500	N	N	N	50
120	47 12 7	112 57 31	251	2.0	1.00	.20	.150	700	N	N	N	100
121	47 12 2	112 57 27	251	2.0	1.00	.15	.150	30	N	N	N	70

Choteau seds--continued

sample	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
454	500	<1.0	N	N	15	70	50	30	N	<10	20	50
455	700	1.0	N	N	15	70	30	50	N	10	20	30
456	1,000	1.5	N	N	10	70	30	50	N	10	20	20
457	700	N	N	N	20	70	70	20	N	<10	20	30
458	700	1.0	N	N	7	30	7	20	N	<10	15	15
459	700	1.0	N	N	10	50	50	30	N	10	15	20
460	300	<1.0	N	N	15	50	50	50	N	<10	15	20
462	300	1.0	N	N	7	30	15	30	N	<10	15	30
463	500	1.0	N	N	7	50	15	30	N	<10	15	30
464	500	1.0	N	N	7	30	15	30	N	N	15	30
465	500	1.0	N	N	7	30	15	30	N	<10	15	30
466	300	1.0	N	N	7	50	15	30	N	<10	15	20
467	300	1.0	N	N	7	30	15	50	N	<10	15	20
468	700	1.0	N	N	7	30	20	30	N	N	15	30
469	300	1.0	N	N	5	30	15	30	N	N	15	20
470	500	1.0	N	N	7	50	15	30	N	<10	15	20
471	500	1.0	N	N	5	30	15	50	N	<10	15	20
472	300	1.0	N	N	7	50	15	30	N	N	15	30
473	300	1.0	N	N	7	50	15	50	N	<10	15	15
474	300	1.0	N	N	7	50	15	50	N	<10	15	15
475	500	1.0	N	N	7	30	10	20	N	N	15	15
476	500	1.0	N	N	7	30	50	30	N	<10	15	10
477	300	1.5	N	N	5	30	10	30	N	<10	15	10
478	500	1.0	N	N	<5	30	10	20	N	<10	10	15
479	300	1.0	N	N	5	50	7	50	N	<10	15	15
480	300	1.0	N	N	5	30	7	30	N	<10	15	10
481	700	1.5	N	N	7	70	30	30	N	10	20	50
482	700	1.5	N	N	10	50	30	30	N	<10	20	50
483	700	1.5	N	N	7	50	20	30	N	<10	15	30
484	500	1.5	N	N	7	50	20	30	N	<10	15	20
485	1,000	1.5	N	N	7	70	20	50	N	10	15	20
486	500	2.0	N	N	10	70	30	50	N	10	20	20
487	500	1.5	N	N	10	70	50	50	N	10	20	20
488	500	1.5	N	N	10	70	30	50	N	10	20	30
489	700	1.0	N	N	10	70	20	70	N	<10	20	20
490	500	1.0	N	N	10	70	30	50	N	<10	20	20
491	300	1.0	N	N	10	70	20	50	N	<10	20	15
492	300	2.0	N	N	7	70	30	50	N	<10	15	30
493	300	1.0	N	N	7	50	15	30	N	<10	20	20
494	700	1.0	N	N	7	70	20	30	N	10	20	20
495	700	1.5	N	N	7	50	30	30	N	<10	15	30
496	700	2.0	N	N	5	30	30	<20	N	<10	15	<20
497	700	1.0	N	N	N	20	7	<20	N	<10	5	<10
498	1,500	<1.0	N	N	5	30	30	20	N	N	10	10
499	500	1.0	N	N	7	30	10	30	N	<10	15	10
500	500	<1.0	N	N	5	30	7	20	N	<10	15	10
501	1,000	1.0	N	N	5	50	100	30	N	<10	15	10
502	1,000	<1.0	N	N	10	70	20	30	N	10	20	20
503	300	1.0	N	N	5	30	15	20	N	N	10	10
504	700	1.5	N	N	10	100	50	50	N	N	30	10
505	300	<1.0	N	N	10	50	300	30	N	N	20	20
506	1,000	2.0	N	N	10	50	15	70	N	<10	15	20
507	700	1.5	N	N	15	70	15	70	N	10	20	15

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
454	N	15	N	N	150	N	20	N	100	--	.14
455	N	10	N	N	50	N	20	N	100	--	.04
456	N	10	N	N	50	N	30	N	200	--	.02
457	N	30	N	N	200	N	20	N	100	--	.06
458	N	7	N	N	30	N	15	N	150	--	<.02
459	N	15	N	N	100	N	20	N	100	--	.02
460	N	15	N	N	100	N	30	N	100	--	<.02
412	N	7	N	N	30	N	20	N	150	--	.04
413	N	7	N	N	50	N	20	N	150	--	.06
414	N	7	N	N	30	N	20	N	150	--	.04
415	N	7	N	N	70	N	20	N	200	--	.04
416	N	7	N	N	30	N	20	N	150	--	<.02
417	N	7	N	N	30	N	15	N	100	--	.10
418	N	7	N	N	50	N	20	N	150	N	.04
419	N	7	N	N	30	N	20	N	150	--	.10
420	N	10	N	N	30	N	20	N	150	--	.04
421	N	7	N	N	30	N	20	N	150	N	.06
422	N	7	N	N	50	N	20	N	300	--	<.02
432	N	7	N	N	30	N	20	N	200	--	<.02
430	N	7	N	N	50	N	20	N	200	--	.02
385	N	5	N	N	30	N	20	N	300	--	.11
386	N	5	N	N	30	N	15	N	200	--	<.02
387	N	7	N	N	30	N	20	N	300	--	<.02
388	N	5	N	N	30	N	15	N	200	--	.04
282	N	10	N	N	50	N	20	N	150	--	.24
283	N	10	N	N	70	N	20	N	150	--	.06
284	N	7	N	N	50	N	20	N	150	--	.15
285	N	10	N	N	70	N	20	N	150	--	.06
266	N	15	N	N	70	N	20	N	200	--	.06
267	N	15	N	N	70	N	30	N	200	--	.02
268	N	15	N	N	70	N	30	N	200	N	.08
269	N	15	N	N	70	N	20	N	200	--	.06
270	N	15	N	N	70	N	30	N	150	--	.08
271	N	10	N	N	70	N	20	N	150	--	<.02
286	N	10	N	N	70	N	30	N	200	--	.06
288	N	10	N	N	70	N	20	N	150	N	.05
290	N	10	N	N	70	N	20	N	300	--	.05
287	N	10	N	N	70	N	30	N	200	N	.06
289	N	10	N	N	70	N	30	N	100	--	.02
235	N	5	N	N	30	N	15	N	500	N	.04
245	N	7	N	N	30	N	20	N	200	N	.02
246	N	7	N	N	30	N	20	N	150	--	.02
248	N	5	N	N	30	N	15	N	150	N	<.02
116	N	5	N	N	30	N	15	N	200	--	N
117	N	10	N	N	100	N	30	N	300	--	.02
124	N	7	N	N	50	N	20	N	300	N	.06
125	N	15	N	N	70	N	30	N	200	--	.06
126	N	15	N	N	150	N	20	N	200	--	.04
120	N	7	N	N	50	N	30	N	150	--	.06
121	N	10	N	N	50	N	20	N	150	--	.09

Choteau seds--continued

sample	latitude	longitude	MAP_NO.	S-FEZ	S-MGZ	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
122	47 12 25	112 57 15	251	2.0	1.00	.15	.150	30	N	N	N	70
123	47 12 19	112 57 13	251	2.0	1.00	.20	.150	300	N	N	N	70
130	47 12 41	112 59 2	252	2.0	1.00	.15	.200	200	N	N	N	70
131	47 12 42	112 59 10	252	1.5	1.00	.10	.200	150	N	N	N	70
1405	47 12 13	113 1 37	253	3.0	1.00	.20	.300	150	N	N	N	50
1405A	47 12 13	113 1 37	253	5.0	2.00	.15	.300	150	N	N	N	30
1406	47 12 39	113 2 52	254	3.0	1.00	.15	.300	150	N	N	N	30
1406A	47 12 39	113 2 52	254	3.0	1.50	.07	.300	150	N	N	N	30
1407	47 12 25	113 2 10	254	2.0	1.00	.10	.200	150	N	N	N	30
1407A	47 12 25	113 2 10	254	3.0	1.50	.07	.200	150	N	N	N	30
1391	47 12 25	113 9 16	255	1.5	1.00	.05	.200	100	N	N	N	50
1391A	47 12 25	113 9 16	255	2.0	1.50	.07	.200	150	N	N	N	70
1392	47 12 19	113 9 13	255	2.0	1.50	.10	.200	200	N	N	N	70
1392A	47 12 19	113 9 13	255	3.0	2.00	.10	.300	200	N	N	N	100
638	47 12 46	113 11 59	256	3.0	2.00	.30	.300	200	N	N	N	70
1397	47 12 56	113 16 26	257	2.0	.70	.10	.150	200	N	N	N	30
1397A	47 12 56	113 16 26	257	3.0	1.00	.07	.200	200	N	N	N	50
1398	47 12 6	113 17 6	258	3.0	.70	.20	.200	200	N	N	N	30
1398A	47 12 6	113 17 6	258	3.0	1.00	.07	.200	150	N	N	N	30
588	47 12 39	113 24 52	259	3.0	1.00	.15	.200	300	N	N	N	100
585	47 12 2	113 25 13	260	3.0	1.00	.20	.200	300	N	N	N	150
JAF016	47 13 20	112 23 22	261	--	--	1.00	--	700	N	N	--	--
JAF017	47 13 9	112 23 38	261	--	--	1.50	--	700	N	N	--	--
JAF018	47 13 3	112 23 22	261	--	--	1.50	--	1,000	N	N	--	--
JAF013	47 13 57	112 24 15	262	--	--	.70	--	1,000	N	N	--	--
JAF015	47 13 50	112 24 5	262	--	--	1.00	--	1,500	N	N	--	--
EFB458	47 13 5	112 25 45	263	3.0	.70	15.00	--	300	2.0	N	--	--
AMS883	47 13 36	112 28 36	264	--	--	--	--	200	N	N	--	--
S26	47 13 2	112 28 34	264	2.0	2.00	3.00	.300	200	N	N	N	70
S27	47 13 11	112 28 56	264	2.0	2.00	10.00	.150	200	N	N	N	20
S28	47 13 6	112 28 55	264	2.0	2.00	3.00	.300	300	N	N	N	70
S29	47 13 15	112 29 22	265	1.5	5.00	20.00	.070	150	N	N	N	<10
S30	47 13 11	112 29 17	265	3.0	2.00	5.00	.500	300	N	N	N	100
S31	47 13 12	112 29 29	265	1.5	1.50	5.00	.200	200	N	N	N	70
S14	47 13 13	112 30 54	266	5.0	5.00	10.00	.300	700	N	N	N	30
S15	47 13 15	112 30 0	266	2.0	3.00	7.00	.200	200	N	N	N	50
S16	47 13 37	112 30 14	266	2.0	3.00	7.00	.150	300	N	N	N	30
S17	47 13 39	112 30 17	266	1.5	3.00	10.00	.150	150	N	N	N	30
S32	47 13 10	112 31 56	267	3.0	3.00	10.00	.200	500	N	N	N	70
449	47 13 0	112 37 15	268	3.0	1.50	3.00	.300	300	N	N	N	70
450	47 13 0	112 37 29	268	3.0	2.00	2.00	.300	300	N	N	N	50
397	47 13 35	112 39 37	269	2.0	1.00	.20	.150	300	N	N	N	50
398	47 13 32	112 39 32	269	2.0	1.00	.30	.150	300	N	N	N	70
399	47 13 33	112 39 18	269	2.0	1.00	1.50	.200	300	N	N	N	70
400	47 13 38	112 39 21	269	2.0	1.00	.20	.200	300	N	N	N	70
402	47 13 10	112 40 1	270	3.0	1.50	1.00	.500	500	N	N	N	50
403	47 13 8	112 40 13	270	1.5	1.00	.70	.150	300	N	N	N	50
406	47 13 32	112 40 53	270	1.5	1.50	.50	.150	300	N	N	N	50
408	47 13 25	112 40 59	270	3.0	2.00	1.00	.200	500	N	N	N	70
410	47 13 4	112 40 0	270	3.0	3.00	3.00	.150	300	N	N	N	50

sample	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
122	700	1.5	N	N	5	70	15	70	N	<10	30	20
123	500	1.0	N	N	7	50	20	30	N	<10	20	15
130	500	1.0	N	N	5	70	30	70	N	<10	15	10
131	300	<1.0	N	N	<5	30	30	30	N	N	10	<10
1405	200	1.5	N	N	<5	30	15	20	N	N	10	10
1405A	200	1.0	N	N	10	50	10	30	N	N	15	10
1406	300	1.0	N	N	<10	20	<5	20	N	N	5	10
1406A	200	1.0	N	N	5	30	<5	30	N	N	10	10
1407	500	1.0	N	N	<5	20	7	20	N	N	5	10
1407A	200	1.0	N	N	5	30	5	20	N	N	10	10
1391	500	1.0	N	N	<5	15	N	20	N	N	10	<10
1391A	300	2.0	N	N	5	20	5	20	N	N	15	<10
1392	300	2.0	N	N	<5	20	5	20	N	N	15	<10
1392A	300	2.0	N	N	10	50	10	30	N	N	30	<10
638	500	3.0	N	N	5	15	10	50	N	N	15	15
1397	300	1.5	N	N	5	20	20	20	N	N	10	10
1397A	200	1.0	N	N	10	30	<5	20	N	N	15	10
1398	500	1.0	N	N	<5	50	10	30	N	N	10	10
1398A	200	1.0	N	N	7	30	5	20	N	N	15	10
588	150	1.5	N	N	10	50	30	20	N	N	15	20
585	300	1.5	N	N	10	50	30	20	N	N	20	20
JAF016	1,000	N	N	N	--	50	15	--	N	--	20	20
JAF017	1,000	N	N	N	--	70	30	--	N	--	30	30
JAF018	1,500	N	N	N	--	70	50	--	N	--	50	30
JAF013	2,000	N	N	N	--	70	20	--	N	--	20	50
JAF015	1,500	N	N	N	--	50	30	--	N	--	20	50
EFB458	1,500	--	N	N	10	50	10	70	N	N	30	30
AY5883	700	--	--	--	5	30	<5	--	N	--	10	20
S26	500	2.0	N	N	7	70	15	50	N	N	30	20
S27	150	1.0	N	N	5	70	20	20	N	N	15	20
S28	700	2.0	N	N	7	70	15	50	N	N	30	15
S29	70	<1.0	N	N	<5	15	7	<20	N	N	<5	15
S30	700	2.0	N	N	7	100	20	30	N	N	30	20
S31	300	2.0	N	N	<5	20	7	30	N	N	10	N
S14	200	1.0	N	N	7	50	30	20	N	N	20	20
S15	700	1.5	N	N	5	70	15	30	N	N	15	15
S16	200	<1.0	N	N	<5	30	30	20	N	N	15	<10
S17	100	<1.0	N	N	<5	70	10	20	N	N	15	15
S32	300	2.0	N	N	7	100	30	30	N	N	20	20
449	500	1.0	N	N	15	50	50	30	N	10	20	30
450	500	1.0	N	N	10	50	50	30	N	<10	20	30
397	500	1.0	N	N	7	50	15	50	N	<10	15	15
398	300	1.0	N	N	7	50	15	70	N	<10	15	30
399	300	1.0	N	N	7	50	15	50	N	<10	15	30
400	500	1.0	N	N	7	30	15	50	N	<10	15	30
402	500	1.0	N	N	10	50	15	70	N	<10	15	20
403	300	1.0	N	N	5	30	15	70	N	<10	10	20
406	300	1.0	N	N	7	30	10	50	N	<10	15	30
408	300	1.0	N	N	7	30	15	50	N	<10	15	20
410	700	1.0	N	N	7	20	15	50	N	<10	15	30

Choteau seds--continued

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
122	N	7	N	N	50	N	15	N	30C	--	.05
123	N	10	N	N	70	N	30	N	200	N	.07
130	N	7	N	N	50	N	20	N	300	--	N
131	N	7	N	N	50	N	20	N	300	N	N
1405	N	7	N	N	30	N	20	N	150	--	.35
1405A	N	10	N	N	30	N	20	N	150	--	--
1406	N	7	N	N	50	N	20	N	150	--	.30
1406A	N	7	N	N	30	N	20	N	150	--	--
1407	N	5	N	N	30	N	20	N	150	N	.28
1407A	N	7	N	N	30	N	15	N	150	--	--
1391	N	5	N	N	20	N	15	N	150	N	.06
1391A	N	7	N	N	30	N	20	N	200	N	N
1392	N	10	N	N	50	N	20	N	500	N	.04
1392A	N	10	N	N	70	N	20	N	200	N	.02
638	N	7	N	N	30	N	15	N	300	N	.02
1397	N	5	N	N	30	N	15	N	100	N	.14
1397A	N	5	N	N	30	N	15	N	150	--	--
1398	N	5	N	N	30	N	20	N	150	N	.70
1398A	N	7	N	N	30	N	15	N	150	--	--
588	N	10	N	N	70	N	20	N	150	N	.15
585	N	15	N	N	100	N	30	N	200	N	.10
JAF016	N	--	N	--	100	N	--	N	--	--	--
JAF017	N	--	N	--	100	N	--	N	--	--	--
JAF018	N	--	N	--	200	N	--	N	--	--	--
JAF013	N	--	N	--	100	N	--	N	--	--	--
JAF015	N	--	N	--	100	N	--	N	--	--	--
EFB458	N	--	N	150	50	N	15	N	--	--	.02
AMS883	N	--	N	--	50	--	N	N	--	--	--
S26	N	7	N	100	70	N	20	N	200	N	.02
S27	N	<5	N	100	20	N	10	N	30	--	.04
S28	N	7	N	<100	50	N	30	N	300	N	.02
S29	N	N	N	200	10	N	<10	N	10	N	.02
S30	N	7	N	<100	70	N	20	N	200	N	.02
S31	N	5	N	<100	30	N	15	N	100	N	.02
S14	N	10	N	N	100	N	15	N	100	N	.02
S15	N	5	N	100	50	N	15	N	200	N	.02
S16	N	5	N	100	20	N	20	N	100	N	.04
S17	N	<5	N	<100	20	N	<10	N	20	N	.02
S32	N	10	N	100	100	N	15	N	150	N	.02
449	N	15	N	N	70	N	20	N	100	--	.11
450	N	10	N	N	30	N	20	N	150	--	.04
397	N	7	N	N	30	N	20	N	150	--	.04
398	N	7	N	N	30	N	20	N	150	--	.08
399	N	7	N	N	30	N	20	N	150	--	.02
400	N	7	N	N	30	N	20	N	150	--	.06
402	N	10	N	N	50	N	20	N	150	N	.10
403	N	5	N	N	20	N	15	N	150	--	.04
406	N	5	N	N	20	N	15	N	100	--	<.02
408	N	7	N	N	30	N	20	N	150	--	.10
410	N	7	N	N	30	N	20	N	150	--	--

sample	Latitude	Longitude	MAP_NO.	S-FEX	S-MGX	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
411	47 13 4	112 40 7	270	2.0	1.50	.70	.150	500	N	N	N	70
404	47 13 53	112 42 6	271	1.5	1.00	.30	.150	300	N	N	N	70
405	47 13 58	112 42 4	271	3.0	3.00	3.00	.200	500	N	N	N	70
424	47 13 39	112 43 44	272	1.5	.70	.07	.150	200	N	N	N	70
425	47 13 32	112 43 34	272	2.0	1.00	1.00	.200	200	N	N	N	70
426	47 13 26	112 43 23	272	2.0	1.50	3.00	.150	300	N	N	N	70
427	47 13 25	112 43 31	272	2.0	1.00	.10	.150	300	N	N	N	100
428	47 13 3	112 43 6	272	3.0	1.50	.30	.200	300	N	N	N	100
429	47 13 2	112 43 10	272	2.0	1.00	.10	.200	300	N	N	N	100
370	47 13 49	112 47 25	273	2.0	1.50	.50	.150	300	N	N	N	70
371	47 13 37	112 47 15	273	2.0	1.50	.15	.150	500	N	N	N	70
372	47 13 15	112 47 10	273	1.5	1.00	.10	.150	200	N	N	N	70
373	47 13 15	112 47 3	273	1.5	1.00	.10	.200	150	N	N	N	70
291	47 13 2	112 50 11	274	5.0	1.00	.10	.300	300	N	N	N	100
292	47 13 7	112 50 13	274	3.0	1.50	.15	.300	500	N	N	N	100
293	47 13 12	112 50 15	274	3.0	2.00	.15	.200	700	N	N	N	100
294	47 13 16	112 50 9	274	3.0	1.00	.15	.200	500	N	N	N	100
295	47 13 21	112 50 1	274	5.0	1.00	.10	.300	500	N	N	N	100
234	47 13 42	112 51 53	275	2.0	1.00	2.00	.200	300	N	N	N	70
247	47 13 3	112 52 5	276	2.0	1.00	1.00	.150	300	N	N	N	70
127	47 13 7	112 56 43	277	2.0	1.00	1.00	.200	200	N	N	N	100
128	47 13 6	112 56 52	277	2.0	.70	1.00	.300	200	N	N	N	100
132	47 13 31	112 58 57	278	1.0	1.00	.10	.100	100	N	N	N	70
133	47 13 30	112 58 49	278	1.0	.70	.05	.100	100	N	N	N	70
1383	47 13 50	113 6 36	279	2.0	1.50	.10	.200	1,500	N	N	N	100
1383A	47 13 50	113 6 36	279	5.0	2.00	.10	.300	700	N	N	N	150
1387	47 13 45	113 8 38	280	3.0	1.50	1.00	.300	700	N	N	N	70
1387A	47 13 45	113 8 38	280	5.0	2.00	.20	.500	500	N	N	N	100
1383	47 13 35	113 9 3	281	2.0	1.50	.15	.300	200	N	N	N	100
1348A	47 13 35	113 9 3	281	2.0	2.00	.15	.200	200	N	N	N	100
1389	47 13 43	113 9 17	281	1.5	1.50	.15	.200	150	N	N	N	70
1389A	47 13 43	113 9 17	281	3.0	2.00	.20	.200	200	N	N	N	70
639	47 13 46	113 12 6	282	2.0	1.50	.20	.300	150	N	N	N	100
1401	47 13 57	113 13 55	283	2.0	1.00	.10	.200	150	N	N	N	30
1401A	47 13 57	113 13 55	283	2.0	1.50	.07	.200	150	N	N	N	50
1380	47 13 43	113 18 3	284	3.0	1.50	.30	.300	1,000	N	N	N	100
1380A	47 13 43	113 18 3	284	3.0	2.00	.07	.300	500	N	N	N	100
1381	47 13 35	113 18 13	284	3.0	1.50	.30	.300	1,000	N	N	N	100
1381A	47 13 35	113 18 13	284	3.0	2.00	.10	.300	700	N	N	N	150
587	47 13 19	113 24 33	285	3.0	1.00	.15	.200	200	N	N	N	100
JAF549	47 13 50	113 36 55	286	2.0	--	.30	--	700	N	N	N	--
JAF550	47 13 35	113 37 35	287	2.0	--	.05	--	500	N	N	N	--
JAF554	47 13 15	113 40 10	288	5.0	--	.50	--	2,000	N	N	N	--
JAF555	47 13 0	113 40 5	288	3.0	--	.50	--	1,500	N	N	N	--
JAF557	47 13 55	113 42 20	289	3.0	--	.50	--	700	N	N	N	--
JAF007	47 14 41	112 25 32	290	--	--	1.50	--	1,000	N	N	N	--
JAF008	47 14 51	112 25 20	290	--	--	.70	--	300	N	N	N	--
661	47 14 55	112 43 49	291	3.0	1.00	.10	.200	300	N	N	N	100
662	47 14 59	112 43 25	291	2.0	1.00	.10	.200	300	N	N	N	100
374	47 14 2	112 46 58	292	2.0	1.00	.15	.150	150	N	N	N	50

Choteau seds--continued

sample	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
411	500	1.0	N	N	7	20	15	30	N	<10	15	30
404	300	1.5	N	N	7	30	15	50	N	<10	15	20
405	500	1.0	N	N	7	30	70	50	N	N	15	30
424	300	1.0	N	N	5	50	10	30	N	<10	15	10
425	300	1.0	N	N	7	50	10	50	N	10	15	15
426	300	1.0	N	N	7	50	15	30	N	<10	15	30
427	500	1.0	N	N	7	50	10	30	N	<10	15	<10
428	500	<1.0	N	N	7	30	15	30	N	<10	15	20
429	500	1.0	N	N	7	50	20	50	N	<10	15	20
370	1,500	1.0	N	N	10	70	15	30	N	<10	15	20
371	500	1.0	N	N	7	50	20	30	N	<10	15	30
372	500	1.0	N	N	5	30	5	30	N	<10	15	10
373	500	1.0	N	N	5	30	5	30	N	<10	15	10
291	500	1.0	N	N	7	50	20	30	N	<10	20	30
292	700	1.5	N	N	7	70	30	50	N	<10	20	50
293	1,500	1.5	N	N	7	70	30	50	N	<10	15	50
294	700	1.5	N	N	7	70	20	30	N	10	15	50
295	500	1.5	N	N	7	50	20	30	N	<10	15	30
234	500	1.0	N	N	10	50	15	30	N	10	15	30
247	500	1.0	N	N	7	30	10	30	N	10	15	10
127	500	1.0	N	N	7	50	30	70	N	<10	15	15
128	300	1.0	N	N	7	50	20	50	N	<10	15	15
132	500	1.0	N	N	5	30	20	20	N	<10	15	15
133	300	<1.0	N	N	<5	30	<5	20	N	N	7	<10
1383	500	2.0	N	N	7	30	7	30	N	N	7	<10
1383A	500	2.0	N	N	10	70	10	30	N	N	15	<10
1387	1,000	3.0	N	N	5	50	30	30	N	N	30	10
1387A	500	3.0	N	N	15	70	5	50	N	N	30	10
1388	300	2.0	N	N	7	30	10	30	N	N	15	<10
1388A	300	2.0	N	N	10	50	5	30	N	N	20	<10
1389	500	2.0	N	N	5	20	<5	30	N	N	10	10
1389A	500	2.0	N	N	10	30	10	30	N	N	20	10
639	500	3.0	N	N	5	15	30	50	N	N	15	N
1401	300	1.5	N	N	<5	15	7	20	N	N	7	10
1401A	200	1.0	N	N	5	15	<5	20	N	N	10	10
1380	1,000	3.0	N	N	15	50	20	30	N	N	20	20
1380A	300	2.0	N	N	10	50	10	30	N	N	30	15
1381	700	2.0	N	N	15	50	30	30	N	N	30	20
1381A	500	2.0	N	N	10	50	15	50	N	N	30	15
587	200	1.5	N	N	10	70	50	30	N	N	15	30
JAF549	--	N	N	N	--	50	15	--	N	--	20	N
JAF550	--	N	N	N	--	<50	5	--	N	--	10	N
JAF554	--	5.0	N	N	--	70	30	--	N	--	50	20
JAF555	--	7.0	N	N	--	70	30	--	N	--	50	20
JAF557	--	<5.0	N	N	--	70	20	--	N	--	50	30
JAF007	1,000	N	N	N	--	100	20	--	N	--	50	30
JAF008	2,000	N	N	N	--	100	20	--	N	--	50	30
661	300	<1.0	N	N	7	70	30	--	N	N	15	20
662	500	<1.0	N	N	5	30	20	30	N	N	15	20
374	500	1.0	N	N	5	50	15	50	N	<10	15	10

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
411	N	5	N	N	30	N	20	N	150	--	.06
404	N	5	N	N	30	N	15	N	150	--	.04
405	N	5	N	N	20	N	15	N	150	--	.08
424	N	5	N	N	50	N	20	N	200	N	<.02
425	N	7	N	N	50	N	20	N	150	--	.06
426	N	7	N	N	30	N	20	N	100	--	.04
427	N	7	N	N	50	N	15	N	200	--	.06
428	N	5	N	N	50	N	15	N	200	--	.11
429	N	7	N	N	50	N	20	N	200	N	.02
370	N	7	N	N	50	N	30	N	100	--	.02
371	N	7	N	N	50	N	20	N	100	--	<.02
372	N	7	N	N	30	N	20	N	200	--	<.02
373	N	5	N	N	30	N	20	N	300	N	.04
291	N	10	N	N	70	N	20	N	300	N	.04
292	N	15	N	N	70	N	20	N	200	--	.04
293	N	10	N	N	70	N	20	N	150	--	.06
294	N	15	N	N	70	N	30	N	200	--	.06
295	N	10	N	N	70	N	30	N	200	N	.04
234	N	7	N	N	50	N	20	N	150	N	.06
247	N	7	N	N	50	N	20	N	200	--	.04
127	N	10	N	N	50	N	20	N	200	N	.05
128	N	10	N	N	70	N	15	N	150	--	.02
132	N	<5	N	N	30	N	15	N	150	--	.02
133	N	<5	N	N	50	N	15	N	500	<.50	.02
1383	N	7	N	N	70	N	15	N	300	N	N
1383A	N	10	N	N	70	N	20	N	300	.10	.04
1387	N	7	N	N	100	N	30	N	200	N	.04
1387A	N	10	N	N	50	N	30	N	500	N	.04
1388	N	7	N	N	50	N	20	N	300	--	.06
1388A	N	7	N	N	50	N	20	N	300	N	.08
1389	N	5	N	N	50	N	20	N	500	N	N
1389A	N	10	N	N	50	N	30	N	200	N	.05
639	N	7	N	N	70	N	70	N	300	N	.22
1401	N	5	N	N	30	N	20	N	150	--	--
1401A	N	7	N	N	30	N	20	N	150	--	.06
1380	N	10	N	N	100	N	30	N	150	N	.02
1380A	N	10	N	N	100	N	20	N	200	<.50	.10
1381	N	15	N	N	100	N	50	N	150	N	.06
1381A	N	10	N	N	100	N	20	N	200	N	.06
587	N	10	N	N	100	N	30	N	200	N	.04
JAF549	N	--	N	--	50	N	--	N	--	--	<.02
JAF550	N	--	N	--	50	N	--	N	--	--	.06
JAF554	N	--	N	--	70	N	--	N	--	--	.10
JAF555	N	--	N	--	70	N	--	N	--	--	.06
JAF557	N	--	N	--	70	N	--	N	--	--	--
JAF007	N	--	N	--	100	N	--	N	--	--	--
JAF008	N	--	N	--	100	N	--	N	--	--	--
661	N	10	N	N	50	N	20	N	300	.06	<.02
662	N	7	N	N	30	N	15	N	150	N	<.02
374	N	7	N	N	30	N	20	N	200	--	.06

Choteau seds--continued

sample	latitude	longitude	MAP_NO.	S-FEZ	S-MGZ	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
375	47 14 23	112 46 40	292	2.0	1.00	.10	.200	300	N	N	N	70
376	47 14 21	112 46 51	292	1.5	1.00	.10	.150	150	N	N	N	70
377	47 14 45	112 46 41	292	2.0	1.50	.70	.200	300	N	N	N	70
378	47 14 40	112 46 56	292	1.5	1.00	.07	.150	150	N	N	N	70
231	47 14 36	112 51 25	293	1.5	1.00	1.00	.150	200	N	N	N	50
232	47 14 13	112 51 56	293	2.0	2.00	1.00	.150	300	N	N	N	70
233	47 14 19	112 51 39	293	2.0	1.00	1.00	.150	200	N	N	N	70
550	47 14 39	112 54 40	294	3.0	1.00	1.00	.200	300	N	N	N	100
551	47 14 52	112 55 1	295	3.0	1.00	.30	.300	500	N	N	N	70
186	47 14 4	112 56 54	296	3.0	1.00	2.00	.200	300	N	N	N	70
CH198	47 14 59	112 58 28	297	.5	.05	1.50	.005	70	<.5	<200	--	50
134	47 14 3	112 58 29	297	1.0	.70	.15	.150	150	N	N	N	70
135	47 14 7	112 58 34	297	1.0	.70	.20	.150	150	N	N	N	50
136	47 14 14	112 58 20	297	1.0	.70	.10	.150	150	N	N	N	70
137	47 14 18	112 58 13	297	1.5	1.00	.30	.150	150	N	N	N	50
138	47 14 39	112 58 59	297	2.0	1.00	2.00	.200	300	N	N	N	70
139	47 14 41	112 58 49	297	7.0	1.00	1.00	1.000	700	N	N	N	50
149	47 14 27	113 2 25	298	1.0	.70	.20	.150	150	N	N	N	30
150	47 14 49	113 2 41	298	1.0	3.00	5.00	.150	150	N	N	N	20
146	47 14 45	113 3 31	299	1.5	1.00	.15	.150	200	N	N	N	70
147	47 14 51	113 3 35	299	1.5	1.00	.07	.150	150	N	N	N	50
148	47 14 49	113 3 19	299	1.5	.70	.10	.150	150	N	N	N	100
140	47 14 47	113 4 11	300	2.0	.50	.20	.150	300	N	N	N	70
141	47 14 47	113 4 11	300	2.0	.70	.15	.200	300	N	N	N	70
142	47 14 35	113 4 42	300	1.5	.70	.10	.100	150	N	N	N	70
143	47 14 29	113 4 45	300	1.5	.70	.15	.100	200	N	N	N	70
144	47 14 23	113 5 5	301	2.0	1.00	.15	.150	200	N	N	N	100
145	47 14 17	113 5 1	301	.5	.50	.07	.100	100	N	N	N	50
1384	47 14 16	113 7 2	302	1.5	1.50	.07	.200	150	N	N	N	100
1384A	47 14 16	113 7 2	302	3.0	2.00	.07	.200	150	N	N	N	100
1385	47 14 23	113 7 6	302	2.0	1.50	.15	.200	500	N	N	N	100
1385A	47 14 23	113 7 6	302	2.0	1.50	.05	.150	200	N	N	N	100
1386	47 14 18	113 8 11	303	2.0	1.00	.05	.200	100	N	N	N	70
1386A	47 14 18	113 8 11	303	3.0	1.50	.05	.300	200	N	N	N	100
1375	47 14 52	113 9 47	304	2.0	1.00	.05	.300	100	N	N	N	100
1375A	47 14 52	113 9 47	304	2.0	1.50	.05	.300	200	N	N	N	100
1376	47 14 50	113 9 29	304	3.0	1.50	.07	.300	300	N	N	N	150
1376A	47 14 50	113 9 29	304	3.0	1.50	.05	.200	200	N	N	N	100
1377	47 14 23	113 9 0	304	2.0	1.00	.07	.200	200	N	N	N	70
1377A	47 14 23	113 9 0	304	3.0	1.50	.05	.200	200	N	N	N	100
1378	47 14 14	113 9 27	304	1.5	1.00	.05	.200	150	N	N	N	70
1378A	47 14 14	113 9 27	304	2.0	1.50	.05	.200	200	N	N	N	100
1403	47 14 2	113 12 54	305	2.0	1.00	.10	.200	150	N	N	N	50
1403A	47 14 2	113 12 54	305	3.0	2.00	.07	.300	200	N	N	N	30
1404	47 14 9	113 12 42	305	3.0	1.00	.20	.200	200	N	N	N	30
1404A	47 14 9	113 12 42	305	3.0	1.50	.10	.300	200	N	N	N	30
1402	47 14 17	113 13 58	306	3.0	1.50	.20	.300	200	N	N	N	50
1402A	47 14 17	113 13 58	306	3.0	2.00	.10	.300	150	N	N	N	30
740	47 14 16	113 22 7	307	3.0	1.50	.50	.300	700	N	N	N	100
741	47 14 20	113 22 20	307	3.0	2.00	1.00	.300	700	N	N	N	100

sample	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
375	500	1.5	N	7	50	20	50	N	10	15	30
376	500	1.0	N	5	30	10	30	N	10	10	10
377	300	1.0	N	5	50	30	50	N	<10	15	15
378	300	1.0	N	5	20	20	50	N	<10	10	10
231	500	1.0	N	7	30	15	30	N	<10	15	10
232	1,500	1.5	N	10	70	20	30	N	10	20	30
233	500	1.0	N	7	50	10	30	N	10	15	15
550	500	1.5	N	7	30	20	50	N	<10	15	15
551	300	<1.0	N	10	30	30	30	N	<10	15	20
186	500	<1.0	N	10	50	30	50	N	<10	20	15
CH198	100	<1.0	<20	<5	<10	10	<20	<5.0	--	<5	<10
134	500	1.0	N	<5	30	20	20	N	10	10	<10
135	700	1.0	N	5	20	7	20	N	<10	5	10
136	300	1.0	N	<5	30	30	20	N	10	10	<10
137	300	1.0	N	<5	30	50	20	N	N	10	<10
138	500	1.5	N	5	50	30	30	N	N	15	15
139	300	<1.0	N	15	30	50	<20	N	N	15	<10
149	300	1.5	N	<5	10	N	30	N	10	10	15
150	300	1.0	N	5	15	7	20	N	N	15	15
146	1,000	1.5	N	<5	20	10	30	N	10	15	N
147	500	1.0	N	<5	15	<5	50	N	<10	7	10
148	500	1.0	N	5	15	<5	70	N	10	10	<10
140	500	1.5	N	10	50	15	70	N	10	20	15
141	500	1.5	N	10	30	15	70	N	10	20	15
142	300	1.5	N	<5	30	15	30	N	<10	15	<10
143	500	1.5	N	5	20	15	50	N	<10	10	10
144	2,000	2.0	N	5	30	10	50	N	<10	15	10
145	300	<1.0	N	<5	15	5	30	N	N	5	N
1384	500	1.5	N	5	20	<5	30	N	N	10	10
1384A	300	2.0	N	7	30	5	30	N	N	20	10
1385	700	2.0	N	<5	20	7	30	N	N	10	10
1385A	300	2.0	N	5	20	N	20	N	N	10	<10
1386	500	1.5	N	5	20	<5	30	N	N	7	10
1386A	300	2.0	N	7	30	<5	30	N	N	15	<10
1375	500	2.0	N	<5	20	10	30	N	N	10	<10
1375A	300	2.0	N	7	30	7	30	N	N	15	<10
1376	700	2.0	N	7	50	10	30	N	N	15	<10
1376A	500	2.0	N	10	50	7	30	N	N	20	<10
1377	700	2.0	N	7	30	7	20	N	N	15	<10
1377A	300	2.0	N	10	50	<5	30	N	N	20	<10
1378	500	2.0	N	<5	20	5	30	N	N	10	<10
1378A	500	2.0	N	<5	30	10	30	N	N	20	<10
1403	700	1.5	N	<5	15	<5	20	N	N	7	10
1403A	200	1.5	N	7	30	5	30	N	N	15	10
1404	500	1.5	N	<5	20	15	20	N	N	7	10
1404A	200	1.5	N	7	20	7	30	N	N	10	10
1402	300	1.5	N	<5	20	10	30	N	N	7	10
1402A	200	1.5	N	7	20	<5	30	N	N	15	10
740	700	1.5	N	5	70	30	30	N	N	30	50
741	700	1.5	N	5	70	30	20	N	N	20	50

Choteau seds--continued

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
375	N	10	N	N	50	N	30	N	200	--	.06
376	N	7	N	N	30	N	20	N	200	--	.02
377	N	10	N	N	50	N	30	N	150	--	.06
378	N	7	N	N	50	N	20	N	150	N	.04
231	N	7	N	N	30	N	20	N	150	N	.02
232	N	7	N	N	70	N	20	N	150	--	.04
233	N	7	N	N	50	N	20	N	300	N	.02
550	N	7	N	N	30	N	30	N	300	--	.06
551	N	7	N	N	30	N	20	N	200	--	.02
186	N	10	N	N	50	N	20	N	150	--	N
CH198	<100	<5	<10	<100	10	<50	<10	<200	10	--	--
134	N	7	N	N	50	N	20	N	300	N	N
135	N	5	N	N	30	N	30	N	300	N	.02
136	N	5	N	N	30	N	15	N	150	--	N
137	N	5	N	N	30	N	20	N	200	N	N
138	N	10	N	N	70	N	30	N	150	--	.03
139	N	15	N	N	200	N	20	N	300	N	N
149	N	5	N	N	30	N	30	N	200	N	.02
150	N	5	N	N	30	N	15	N	100	N	N
146	N	5	N	N	30	N	20	N	100	--	N
147	N	5	N	N	30	N	30	N	300	--	N
148	N	5	N	N	30	N	20	N	150	--	N
140	N	10	N	N	50	N	30	N	300	--	.02
141	N	10	N	N	30	N	15	N	100	--	N
142	N	5	N	N	30	N	20	N	150	--	N
143	N	7	N	N	30	N	30	N	300	--	.03
144	N	7	N	N	30	N	20	N	150	--	N
145	N	N	N	<100	15	N	<10	N	150	--	N
1384	N	5	N	N	30	N	20	N	300	N	N
1384A	N	5	N	N	50	N	20	N	300	N	.02
1385	N	7	N	N	50	N	20	N	300	N	N
1385A	N	5	N	N	50	N	20	N	150	N	N
1386	N	5	N	N	50	N	30	N	700	N	N
1386A	N	7	N	N	70	N	20	N	200	N	N
1375	N	7	N	N	50	N	20	N	700	N	<.02
1375A	N	10	N	N	70	N	20	N	200	N	N
1376	N	10	N	N	70	N	20	N	300	N	N
1376A	N	10	N	N	70	N	20	N	150	N	N
1377	N	7	N	N	50	N	15	N	200	N	N
1377A	N	7	N	N	70	N	20	N	200	N	N
1378	N	7	N	N	50	N	20	N	500	N	N
1378A	N	7	N	N	70	N	20	N	200	N	N
1403	N	5	N	N	20	N	20	N	150	--	.28
1403A	N	7	N	N	30	N	20	N	150	--	--
1404	N	5	N	N	30	N	30	N	150	N	.30
1404A	N	7	N	N	30	N	20	N	150	--	--
1402	N	7	N	N	30	N	30	N	150	--	.24
1402A	N	7	N	N	30	N	30	N	150	--	--
740	N	10	N	N	70	N	20	N	150	N	.10
741	N	7	N	N	70	N	15	N	300	N	.06

sample	Latitude	Longitude	MAP_NO.	S-FEZ	S-MGX	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
586	47 14 14	113 23 58	308	3.0	1.00	.20	.200	300	N	N	N	100
JAF551	47 14 5	113 38 25	309	3.0	--	.50	--	1,000	N	N	N	--
JAF552	47 14 5	113 39 25	310	3.0	--	.50	--	3,000	N	N	N	--
JAF553	47 14 10	113 41 30	311	3.0	--	.30	--	700	N	N	N	--
JAF012	47 15 30	112 24 52	312	--	--	7.00	--	500	N	N	N	--
JAF013	47 15 30	112 25 5	313	--	--	10.00	--	700	N	N	N	--
JAF003	47 15 30	112 25 58	313	--	--	.70	--	700	N	N	N	--
JAF004	47 15 24	112 25 52	313	--	--	5.00	--	700	N	N	N	--
JAF005	47 15 19	112 25 52	313	--	--	1.50	--	700	N	N	N	--
JAF009	47 15 3	112 25 27	313	--	--	.50	--	700	.5	N	N	--
JAF010	47 15 22	112 25 30	313	--	--	.50	--	1,000	N	N	N	--
JAF011	47 15 20	112 25 2	313	--	--	.70	--	700	.5	N	N	--
JAF019	47 15 30	112 25 35	313	--	--	.50	--	700	N	N	N	--
JAF020	47 15 37	112 25 45	313	--	--	.50	--	1,000	N	N	N	--
JAF001	47 15 45	112 26 52	314	--	--	7.00	--	700	N	N	N	--
JAF050	47 15 14	112 26 5	314	--	--	2.00	--	700	N	N	N	--
218	47 15 40	112 37 46	315	1.5	1.50	5.00	.150	150	N	N	N	70
219	47 15 25	112 37 25	315	3.0	3.00	7.00	.150	300	N	N	N	100
217	47 15 58	112 38 57	316	2.0	1.00	.20	.150	200	N	N	N	100
CHR2	47 15 54	112 39 9	317	3.0	2.00	1.00	.030	200	N	<200	--	50
244	47 15 51	112 39 58	317	2.0	1.00	.70	.200	200	N	N	N	70
242	47 15 39	112 40 13	318	2.0	1.00	.20	.200	200	N	N	N	70
243	47 15 36	112 40 12	318	3.0	2.00	3.00	.300	300	N	N	N	100
236	47 15 18	112 41 22	319	2.0	1.00	.30	.200	300	N	N	N	70
237	47 15 22	112 41 23	319	2.0	1.00	.15	.150	200	N	N	N	100
240	47 15 26	112 41 57	319	1.5	.70	.07	.150	150	N	N	N	100
241	47 15 32	112 41 49	319	1.5	.50	.10	.150	150	N	N	N	70
239	47 15 35	112 42 14	320	1.5	1.00	.07	.150	150	N	N	N	70
665	47 15 4	112 42 49	320	3.0	1.00	.10	.300	300	N	N	N	100
666	47 15 8	112 42 28	320	3.0	1.00	.10	.200	300	N	N	N	100
667	47 15 4	112 42 23	320	3.0	1.50	.20	.300	300	N	N	N	100
379	47 15 4	112 47 40	321	3.0	1.00	.20	.200	300	N	N	N	100
380	47 15 11	112 47 24	321	1.5	1.00	.15	.150	200	N	N	N	70
381	47 15 8	112 47 29	321	1.0	1.00	.10	.100	150	N	N	N	70
382	47 15 14	112 47 28	321	2.0	1.50	.70	.150	300	N	N	N	70
383	47 15 31	112 48 9	322	2.0	1.00	.20	.150	150	N	N	N	70
384	47 15 35	112 48 44	322	2.0	1.00	.20	.200	300	N	N	N	100
196	47 15 58	112 49 7	323	3.0	1.50	.20	.200	300	N	N	N	70
197	47 15 45	112 49 5	323	3.0	1.00	.10	.200	200	N	N	N	70
198	47 15 50	112 49 20	323	2.0	1.00	2.00	.200	150	N	N	N	100
199	47 15 52	112 49 59	323	2.0	1.00	.50	.300	200	N	N	N	70
200	47 15 24	112 50 11	324	3.0	1.50	1.00	.300	200	N	N	N	100
201	47 15 17	112 50 12	324	3.0	1.50	.70	.200	300	N	N	N	100
549	47 15 22	112 53 42	325	10.0	2.00	3.00	.700	2,000	N	N	N	100
547	47 15 59	112 54 16	326	7.0	2.00	3.00	1.000	1,500	N	N	N	20
548	47 15 38	112 54 0	326	10.0	2.00	3.00	1.000	1,500	N	N	N	70
181	47 15 57	112 55 1	327	2.0	.70	1.00	.200	300	N	N	N	70
183	47 15 50	112 55 1	327	7.0	1.50	2.00	1.000	1,000	N	N	N	70
184	47 15 22	112 55 17	327	3.0	1.00	.30	.200	500	N	N	N	70
152	47 15 48	112 59 53	328	2.0	1.00	.70	.200	300	N	N	N	70
151	47 15 39	113 0 0	329	3.0	1.00	1.50	.300	200	N	N	N	50

Choteau sed--contnued

sample	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
586	200	2.0	N	N	15	70	30	30	N	N	30	30
JAF551	--	<5.0	N	N	--	70	20	--	N	--	50	20
JAF552	--	<5.0	N	N	--	70	20	--	N	--	30	20
JAF553	--	<5.0	N	N	--	50	20	--	N	--	30	20
JAF012	1,000	N	N	N	--	70	15	--	N	--	30	50
JAF003	700	N	N	N	--	100	15	--	N	--	30	50
JAF004	1,000	N	N	N	--	100	20	--	N	--	70	100
JAF005	1,000	N	N	N	--	100	20	--	N	--	50	300
JAF009	2,000	N	N	N	--	70	15	--	N	--	50	50
JAF010	>5,000	N	N	N	--	50	30	--	N	--	20	2,000
JAF011	5,000	<5.0	N	N	--	70	20	--	N	--	20	100
JAF019	5,000	N	N	N	--	100	20	--	N	--	100	2,000
JAF020	1,500	N	N	N	--	70	20	--	N	--	50	150
JAF001	700	N	N	N	--	100	20	--	N	--	50	50
JAF050	1,000	N	N	N	--	70	30	--	N	--	50	50
218	700	<1.0	N	N	N	20	15	50	N	N	10	<10
219	300	<1.0	N	N	7	100	20	30	N	10	20	20
217	2,000	1.0	N	N	<5	50	20	30	N	<10	15	10
CH82	700	<1.0	<10	<20	5	15	5	50	N	--	10	10
244	700	1.0	N	N	5	30	10	30	N	<10	15	20
242	500	1.0	N	N	5	30	20	30	N	10	10	15
243	1,000	<1.0	N	N	5	30	15	30	N	<10	15	20
236	1,500	1.5	N	N	7	50	10	30	N	10	15	20
237	700	1.0	N	N	5	30	30	30	N	<10	15	20
240	500	1.0	N	N	<5	20	<5	30	N	10	10	15
241	700	1.0	N	N	5	15	5	20	N	<10	7	15
239	500	1.0	N	N	5	20	<5	30	N	<10	15	15
665	300	1.0	N	N	7	50	15	30	N	<10	20	20
666	300	<1.0	N	N	5	50	20	20	N	N	15	15
667	300	N	N	N	7	30	30	30	N	N	15	15
379	700	1.0	N	N	7	50	20	50	N	10	20	10
380	700	1.0	N	N	5	20	10	20	N	N	15	<10
381	700	1.0	N	N	5	20	7	50	N	<10	15	10
382	300	1.0	N	N	7	50	20	50	N	<10	15	30
383	500	<1.0	N	N	5	30	7	20	N	<10	15	10
384	1,000	1.5	N	N	7	50	20	30	N	<10	15	20
196	500	1.5	N	N	5	30	15	30	N	<10	15	15
197	500	<1.0	N	N	5	50	15	30	N	<10	20	20
198	700	1.0	N	N	5	50	50	30	N	<10	20	10
199	500	1.0	N	N	7	30	30	30	N	<10	15	15
200	700	1.0	N	N	5	50	30	50	N	<10	15	15
201	500	1.0	N	N	5	70	20	50	N	10	20	30
549	300	N	N	N	10	50	150	<20	N	N	15	20
547	300	N	N	N	15	50	70	30	N	<10	20	50
548	300	N	N	N	50	100	70	30	N	<10	30	10
181	500	<1.0	N	N	7	30	20	50	N	<10	15	15
183	500	N	N	N	30	70	100	<20	N	<10	30	30
184	500	1.0	N	N	10	70	10	50	N	10	20	20
152	300	1.0	N	N	10	30	10	50	N	10	20	15
151	300	<1.0	N	N	10	15	7	30	N	<10	15	20

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
586	N	15	N	N	100	N	30	N	150	N	.25
JAF551	N	--	N	--	70	N	--	N	--	--	.02
JAF552	N	--	N	--	70	N	--	N	--	--	.06
JAF553	N	--	N	--	70	N	--	N	--	--	.04
JAF012	N	--	N	--	100	N	--	N	--	--	--
JAF003	N	--	N	--	70	N	--	N	--	--	--
JAF004	N	--	N	--	100	N	--	N	--	--	--
JAF005	N	--	N	--	100	N	--	N	--	--	--
JAF009	N	--	N	--	100	N	--	N	--	--	--
JAF010	N	--	N	--	100	N	--	N	--	--	--
JAF011	N	--	N	--	70	N	--	N	--	--	--
JAF019	N	--	N	--	100	N	--	N	--	--	--
JAF020	N	--	N	--	100	N	--	N	--	--	--
JAF001	N	--	N	--	100	N	--	N	--	--	--
JAF050	N	--	N	--	70	N	--	N	--	--	--
218	N	5	N	N	20	N	20	N	150	N	.02
219	N	10	N	N	70	N	30	N	150	--	.02
217	N	7	N	<100	50	N	30	N	200	--	.06
CH82	N	10	N	50	30	<50	15	N	150	--	--
244	N	7	N	N	30	N	20	N	150	N	.04
242	N	7	N	N	50	N	20	N	300	N	.02
243	N	7	N	N	30	N	20	N	100	N	.04
236	N	7	N	N	70	N	20	N	150	--	.02
237	N	5	N	N	30	N	20	N	200	--	.13
240	N	5	N	N	30	N	15	N	150	N	<.02
241	N	<5	N	N	30	N	15	N	300	N	.02
239	N	7	N	N	30	N	20	N	100	--	.06
665	N	7	N	N	30	N	15	N	200	--	<.02
666	N	7	N	N	30	N	15	N	100	.06	.02
667	N	7	N	N	30	N	15	N	200	.15	<.02
379	N	10	N	N	50	N	30	N	100	--	<.02
380	N	7	N	N	30	N	20	N	200	N	<.02
381	N	7	N	N	30	N	20	N	150	--	.02
382	N	10	N	N	50	N	20	N	200	--	<.02
383	N	5	N	N	30	N	20	N	300	--	.04
384	N	7	N	N	50	N	20	N	150	--	N
196	N	7	N	N	30	N	30	N	150	--	.02
197	N	10	N	N	50	N	20	N	150	--	N
198	N	7	N	N	50	N	20	N	200	--	.02
199	N	10	N	N	50	N	20	N	150	--	.03
200	N	10	N	N	30	N	30	N	200	N	.02
201	N	10	N	N	70	N	30	N	150	--	.12
549	N	10	N	N	100	N	20	N	100	--	.02
547	N	20	N	<100	200	N	20	N	150	--	<.02
548	N	30	N	<100	200	N	20	N	50	--	N
181	N	7	N	N	50	N	30	N	150	--	N
183	N	20	N	N	150	N	30	N	150	--	.03
184	N	10	N	N	50	N	30	N	150	N	N
152	N	7	N	N	50	N	20	N	150	N	N
151	N	7	N	N	150	N	15	N	150	N	N

Choteau seds---continued

sample	latitude	longitude	MAP_NO.	S-FEX	S-MGX	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
742	47 15 0	113 24 44	330	3.0	2.00	.70	.300	500	N	N	N	70
743	47 15 7	113 24 56	330	3.0	1.50	1.50	.300	700	N	N	N	70
JAF568	47 15 30	113 37 25	331	5.0	--	.30	--	700	N	N	N	--
JAF002	47 16 6	112 26 52	332	--	--	2.00	--	500	N	N	N	--
CH81	47 16 19	112 38 13	333	2.0	.30	>20.00	.020	200	N	<200	--	<10
215	47 16 10	112 38 28	333	1.5	10.00	15.00	.070	200	N	N	N	50
216	47 16 5	112 38 57	333	1.5	.70	3.00	.150	150	N	N	N	70
213	47 16 32	112 40 39	334	1.5	1.00	2.00	.100	150	N	N	N	50
214	47 16 36	112 40 34	334	.7	5.00	15.00	.050	150	N	N	N	20
223	47 16 12	112 44 33	335	2.0	.70	.20	.150	200	N	N	N	70
224	47 16 27	112 44 38	335	1.5	3.00	7.00	.150	200	N	N	N	50
225	47 16 30	112 44 29	335	2.0	1.00	5.00	.100	300	N	N	N	50
226	47 16 54	112 45 10	336	1.5	1.00	.07	.150	150	N	N	N	70
227	47 16 46	112 45 11	336	1.5	.70	.07	.150	200	N	N	N	70
228	47 16 23	112 46 19	337	1.5	1.00	.07	.150	150	N	N	N	50
229	47 16 21	112 46 15	337	1.5	1.00	.07	.150	150	N	N	N	100
230	47 16 10	112 46 26	337	1.5	1.00	.10	.150	150	N	N	N	70
192	47 16 47	112 48 27	338	2.0	1.50	3.00	.150	300	N	N	N	70
193	47 16 44	112 48 20	338	2.0	1.00	.20	.150	300	N	N	N	70
194	47 16 31	112 48 25	338	2.0	1.50	3.00	.200	200	N	N	N	70
195	47 16 16	112 48 24	338	1.5	1.00	.10	.200	300	N	N	N	150
13	47 16 17	112 53 34	339	7.0	1.50	.70	1.000	1,000	N	N	N	50
14	47 16 20	112 53 39	339	7.0	1.50	.70	>1.000	1,000	N	N	N	100
179	47 16 17	112 55 2	340	7.0	1.50	3.00	.500	1,000	N	N	N	70
171	47 16 55	113 0 13	341	2.0	1.00	1.50	.200	300	N	N	N	70
650	47 16 51	113 3 58	342	3.0	1.50	1.50	.700	500	N	N	N	150
648	47 16 40	113 4 44	343	3.0	1.50	.30	.300	300	N	N	N	100
649	47 16 28	113 4 40	343	1.5	1.00	.10	.200	150	N	N	N	70
647	47 16 48	113 6 39	344	3.0	1.50	.30	.300	300	N	N	N	70
1372	47 16 20	113 10 46	345	1.5	.70	.05	.200	150	N	N	N	70
1372A	47 16 20	113 10 46	345	2.0	1.50	.07	.200	200	N	N	N	100
1373	47 16 13	113 10 59	345	2.0	1.00	.07	.300	150	N	N	N	100
1373A	47 16 13	113 10 59	345	1.5	1.50	.07	.200	200	N	N	N	100
1390	47 16 4	113 10 56	345	.7	.30	.05	.150	30	N	N	N	50
1390A	47 16 4	113 10 56	345	1.0	1.00	.07	.150	150	N	N	N	70
675	47 16 47	113 18 44	346	3.0	2.00	.30	.300	300	N	N	N	150
674	47 16 55	113 19 1	347	5.0	2.00	.30	.500	300	N	N	N	150
673	47 16 51	113 20 0	348	3.0	2.00	.50	.300	300	N	N	N	100
669	47 16 57	113 21 43	349	3.0	1.50	.15	.300	300	N	N	N	100
581	47 16 30	113 24 56	350	3.0	1.50	.30	.200	100	N	N	N	100
577	47 16 36	113 27 25	351	3.0	1.50	.20	.200	500	N	N	N	100
JAF569	47 16 5	113 38 55	352	5.0	--	.70	--	1,000	N	N	N	--
JAF570	47 16 50	113 38 0	352	5.0	--	.50	--	1,500	N	N	N	--
JAF572	47 16 50	113 40 50	353	3.0	--	.30	--	700	N	N	N	--
JAF573	47 16 0	113 42 20	354	5.0	--	.30	--	1,000	N	N	N	--
AMS881	47 17 6	112 28 12	355	--	--	--	--	300	N	--	--	--
208	47 17 58	112 38 31	356	1.0	5.00	7.00	.100	150	N	N	N	70
209	47 17 32	112 39 11	357	1.5	5.00	10.00	.070	200	N	N	N	70
210	47 17 28	112 39 16	357	1.5	.70	.70	.150	150	N	N	N	70
222	47 17 28	112 39 16	357	1.5	.50	.15	.150	150	N	N	N	100

sample	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
742	500	1.5	N	N	5	50	50	20	N	N	15	50
743	700	1.5	N	N	5	70	50	N	N	N	30	50
JAF568	--	<5.0	N	N	--	50	20	--	N	--	50	<20
JAF002	1,000	N	N	N	--	50	20	--	N	--	50	200
CH81	100	<1.0	<10	<20	N	20	5	<20	N	--	10	20
215	700	<1.0	N	N	N	50	10	N	N	<10	15	10
216	700	<1.0	N	N	<5	30	30	20	N	<10	10	<10
213	700	<1.0	N	N	<5	20	15	N	N	N	10	<10
214	150	1.0	N	N	N	20	15	N	N	N	20	10
223	300	N	N	N	7	50	20	30	N	<10	20	10
224	300	<1.0	N	N	7	50	30	20	N	N	15	15
225	700	1.0	N	N	7	50	30	20	N	N	20	10
226	700	2.0	N	N	7	30	15	30	N	<10	15	10
227	1,500	1.0	N	N	7	50	30	20	N	N	20	10
228	700	1.0	N	N	7	30	20	20	N	N	15	N
229	700	1.0	N	N	5	30	20	20	N	<10	15	10
230	500	1.0	N	N	N	20	20	20	N	<10	30	10
192	300	1.0	N	N	10	70	50	30	N	<10	30	10
193	500	1.0	N	N	10	70	30	50	N	<10	30	10
194	500	1.0	N	N	10	70	15	50	N	<10	10	10
195	1,000	1.0	N	N	<5	30	15	50	N	N	30	15
13	500	1.0	N	N	30	70	30	50	N	N	30	20
14	500	N	N	N	50	70	30	<20	N	N	20	30
179	700	N	N	N	10	70	100	30	N	<10	20	20
171	500	<1.0	N	N	7	50	20	30	N	<10	15	30
650	500	1.5	N	N	15	150	10	70	N	N	50	15
648	300	2.0	N	N	5	30	5	50	N	N	15	30
649	150	3.0	N	N	5	30	5	N	N	N	10	10
647	300	2.0	N	N	5	30	10	30	N	N	15	30
1372	500	1.5	N	N	<5	15	<5	20	N	N	15	10
1372A	300	2.0	N	N	7	30	<5	30	N	N	15	<10
1373	500	2.0	N	N	5	30	10	30	N	N	10	<10
1373A	300	2.0	N	N	5	30	5	30	N	N	15	<10
1390	500	1.0	N	N	5	30	5	20	N	N	<5	10
1390A	300	1.5	N	N	N	<10	N	20	N	N	7	<10
675	200	2.0	N	N	5	15	15	30	N	N	30	20
674	300	2.0	N	N	15	50	10	50	N	N	30	30
673	300	2.0	N	N	10	50	10	30	N	N	30	20
669	300	2.0	N	N	15	70	10	50	N	N	30	30
581	200	2.0	N	N	10	50	50	30	N	N	20	50
577	200	2.0	N	N	15	50	20	30	N	N	20	20
JAF569	--	<5.0	N	N	--	70	30	--	N	--	50	20
JAF570	--	5.0	N	N	--	70	20	--	N	--	50	20
JAF572	--	<5.0	N	N	--	50	15	--	N	--	30	30
JAF573	--	<5.0	N	N	--	50	20	--	N	--	20	30
AMS881	500	<5.0	N	N	N	50	15	--	N	--	15	15
208	300	--	N	N	N	50	30	<20	N	N	10	10
209	150	1.0	N	N	<5	70	30	<20	N	N	15	15
210	1,000	1.5	N	N	<5	30	10	<20	N	10	10	<10
222	700	1.0	N	N	<5	30	15	<20	N	<10	10	10

Choteau seds--continued

sample	S-SB	S-SC	S-SN	S-SR	S-SV	S-SW	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
742	N	7	N	N	50	N	20	N	300	N	.12
743	N	7	N	N	50	N	20	N	300	--	.10
JAF568	N	--	N	--	70	N	--	N	--	--	.02
JAF002	N	--	N	--	100	N	--	N	--	--	--
CH81	<100	<5	N	700	30	<50	N	N	<10	N	.04
215	N	<5	N	<100	20	N	10	N	70	N	<.02
216	N	5	N	N	30	N	30	N	150	N	.06
213	N	<5	N	N	30	N	20	N	200	--	.04
214	N	N	N	100	20	N	<10	N	<10	--	.04
223	N	10	N	N	50	N	20	N	150	N	.04
224	N	7	N	N	30	N	15	N	100	N	.04
225	N	7	N	N	30	N	20	N	100	N	.04
226	N	7	N	N	30	N	30	N	200	--	.06
227	N	7	N	N	30	N	20	N	200	--	.02
228	N	7	N	N	30	N	20	N	150	--	<.02
229	N	7	N	N	30	N	20	N	300	--	.02
230	N	7	N	N	70	N	20	N	150	--	N
192	N	10	N	N	70	N	30	N	150	--	N
193	N	7	N	N	50	N	20	N	150	--	N
194	N	10	N	N	30	N	30	N	200	--	.02
195	N	5	N	N	150	N	30	N	150	N	.04
13	N	30	N	N	150	N	30	N	150	N	.04
14	N	50	N	N	100	N	20	N	100	--	.02
179	N	15	N	<100	50	N	20	N	200	N	N
171	N	10	N	N	70	N	70	N	300	--	.04
650	N	20	N	N	70	N	70	N	300	N	<.02
648	N	15	N	N	50	N	10	N	200	N	<.02
649	N	5	N	N	70	N	50	N	300	N	.03
647	N	15	N	N	70	N	15	N	200	N	N
1372	N	7	N	N	50	N	20	N	200	N	N
1372A	N	10	N	N	70	N	20	N	1,000	N	N
1373	N	10	N	N	50	N	20	N	150	N	N
1373A	N	10	N	N	20	N	15	N	700	N	.02
1390	N	<5	N	<100	30	N	15	N	150	N	<.02
1390A	N	5	N	N	70	N	30	N	300	--	.02
675	N	15	N	N	100	N	70	N	300	N	.10
674	N	30	N	N	70	N	50	N	200	--	.14
673	N	20	N	N	100	N	50	N	300	--	.04
669	N	20	N	N	100	N	30	N	150	N	.44
581	N	10	N	N	70	N	50	N	200	N	.05
577	N	15	N	N	100	N	--	N	--	--	.06
JAF569	N	--	N	--	100	N	--	N	--	--	.04
JAF570	N	--	N	--	100	N	--	N	--	--	.04
JAF572	N	--	N	--	100	N	--	N	--	--	.06
JAF573	N	--	N	--	100	N	--	N	--	--	--
AMS881	N	--	N	--	70	N	10	N	--	--	<.02
208	N	5	N	<100	30	N	15	N	100	--	.04
209	N	5	N	N	30	N	15	N	100	--	.02
210	N	5	N	N	30	N	30	N	300	--	.02
222	N	5	N	N	20	N	20	N	200	--	<.02

sample	latitude	longitude	MAP_NO.	S-FEX	S-MGX	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
CH080	47 17 9	112 40 32	358	3.0	.50	>20.00	.015	300	<.5	<200	--	<10
212	47 17 9	112 40 32	358	1.5	1.00	3.00	.100	200	N	N	N	70
272	47 17 59	112 44 54	359	2.0	1.00	.10	.150	300	N	N	N	70
356	47 17 31	112 47 6	360	2.0	1.00	.15	.150	300	N	N	N	70
190	47 17 31	112 49 11	361	3.0	1.50	3.00	.200	700	N	N	N	100
191	47 17 22	112 49 24	361	2.0	3.00	5.00	.200	300	N	N	N	100
188	47 17 49	112 50 23	362	3.0	3.00	3.00	.200	300	N	N	N	100
189	47 17 40	112 50 34	362	2.0	1.50	.07	.150	150	N	N	N	100
174	47 17 37	112 53 38	363	2.0	1.00	.10	.200	200	N	N	N	70
175	47 17 40	112 53 23	363	1.5	1.00	.20	.100	150	N	N	N	50
176	47 17 33	112 53 27	363	1.5	.70	.15	.100	150	N	N	N	70
177	47 17 23	112 54 5	364	2.0	1.00	.15	.200	300	N	N	N	100
20	47 17 1	112 56 29	365	3.0	.70	.70	.300	700	N	N	N	30
533	47 17 37	112 56 20	365	5.0	1.50	1.50	.500	1,000	<.5	N	N	100
534	47 17 28	112 56 30	365	3.0	1.50	1.00	.500	300	N	N	N	70
535	47 17 24	112 57 54	366	5.0	2.00	1.50	.500	500	N	N	N	100
536	47 17 20	112 57 54	366	3.0	1.00	.70	.300	300	N	N	N	100
169	47 17 20	112 59 10	367	5.0	1.50	.70	.500	500	N	N	N	100
170	47 17 21	112 59 19	367	2.0	1.00	1.00	.300	200	N	N	N	70
356	47 17 31	113 1 51	368	1.5	.70	.15	.500	150	N	N	N	50
BM356	47 17 53	113 1 49	368	1.5	.70	.15	.500	150	N	N	N	50
033	47 17 22	113 3 5	369	2.0	1.00	.20	.300	200	N	N	N	100
651	47 17 7	113 3 25	369	3.0	1.00	.70	.700	300	N	N	N	70
655	47 17 41	113 3 1	369	3.0	2.00	5.00	.300	200	N	N	N	50
1374	47 17 28	113 10 16	370	1.5	1.00	.05	.200	150	N	N	N	100
1374A	47 17 28	113 10 16	370	2.0	1.50	.05	.200	100	N	N	N	100
1370	47 17 4	113 11 45	371	2.0	1.50	.05	.200	150	N	N	N	150
1370A	47 17 4	113 11 45	371	2.0	1.50	.05	.200	150	N	N	N	150
676	47 17 43	113 18 22	372	3.0	2.00	.50	.300	500	N	N	N	150
671	47 17 18	113 20 33	373	3.0	2.00	.50	.500	700	N	N	N	150
672	47 17 1	113 20 12	373	3.0	2.00	.30	.300	300	N	N	N	100
668	47 17 10	113 21 42	374	3.0	1.50	.30	.300	300	N	N	N	150
670	47 17 23	113 21 16	374	3.0	2.00	.30	.500	500	N	N	N	150
JAF571	47 17 30	113 39 10	375	3.0	--	.30	--	700	N	N	N	--
206	47 18 8	112 41 39	376	1.0	.70	.70	.150	150	N	N	N	50
207	47 18 8	112 41 25	376	1.5	5.00	10.00	.100	200	N	N	N	70
221	47 18 29	112 41 47	376	1.5	2.00	7.00	.100	150	N	N	N	50
CH079	47 18 54	112 42 59	377	1.0	1.00	7.00	.150	200	<.5	<200	--	20
204	47 18 54	112 42 59	377	1.5	.70	.15	.150	100	N	N	N	50
205	47 18 31	112 42 10	377	1.5	.70	.70	.150	150	N	N	N	50
220	47 18 25	112 42 10	377	1.5	1.00	1.00	.150	150	N	N	N	70
276	47 18 29	112 43 57	378	2.0	1.00	.10	.150	150	N	N	N	70
279	47 18 38	112 43 59	378	.7	.50	.10	.100	100	N	N	N	30
273	47 18 2	112 44 57	379	2.0	1.00	.10	.150	200	N	N	N	70
274	47 18 4	112 44 29	379	2.0	1.00	.15	.150	200	N	N	N	70
275	47 18 25	112 44 8	379	1.5	1.00	.10	.100	150	N	N	N	100
277	47 18 25	112 44 23	379	1.0	.50	.15	.100	300	N	N	N	50
278	47 18 31	112 44 12	379	1.5	1.00	.10	.150	150	N	N	N	70
153	47 18 58	112 46 58	380	2.0	1.00	2.00	.150	200	N	N	N	70
154	47 18 35	112 47 18	381	2.0	1.50	2.00	.150	200	N	N	N	70

Choteau seds--continued

sample	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
CH080	700	1.0	<10	20	<5	30	<5	<20	<5.0	--	15	50
212	1,500	1.0	N	N	<5	20	70	<20	N	N	10	<10
272	500	1.5	N	N	7	30	10	50	N	<10	15	15
356	700	1.5	N	N	5	50	10	<20	N	<10	10	10
190	500	1.0	N	N	10	100	30	50	N	<10	30	15
191	300	1.0	N	N	7	30	30	30	N	<10	15	15
188	1,000	1.0	N	N	7	30	20	50	N	<10	20	10
189	700	2.0	N	N	7	30	7	50	N	10	15	10
174	500	1.5	N	N	7	70	10	30	N	10	15	20
175	300	1.0	N	N	5	30	5	30	N	N	15	<10
176	300	1.0	N	N	5	30	20	20	N	N	15	10
177	500	1.5	N	N	10	70	30	50	N	<10	20	30
20	500	N	N	N	10	30	30	20	N	N	15	15
533	700	<1.0	N	N	15	30	150	70	N	<10	20	100
534	300	<1.0	N	N	10	30	30	30	N	<10	15	20
535	500	<1.0	N	N	10	30	30	30	N	<10	15	20
536	500	1.0	N	N	7	20	30	30	N	<10	15	20
169	500	<1.0	N	N	10	100	30	50	N	10	20	30
170	500	N	N	N	7	50	15	50	N	<10	15	15
356	300	<1.0	N	N	10	30	10	20	N	10	15	15
BM356	300	1.0	N	N	10	30	10	20	N	10	15	15
033	700	1.5	N	N	15	50	50	50	N	<10	20	10
651	200	2.0	N	N	15	50	15	70	N	N	30	20
655	200	2.0	N	N	7	30	10	20	N	N	20	30
1374	500	1.5	N	N	<5	15	<5	20	N	N	10	<10
1374A	300	2.0	N	N	<5	20	<5	30	N	N	10	<10
1370	500	2.0	N	N	<5	20	5	30	N	N	10	<10
1370A	300	2.0	N	N	<5	20	<5	30	N	N	10	<10
676	300	2.0	N	N	15	50	20	30	N	N	30	30
671	500	3.0	N	N	15	50	30	50	N	N	30	30
672	200	2.0	N	N	10	50	7	30	N	N	20	20
668	500	2.0	N	N	15	50	30	50	N	N	30	30
670	500	3.0	N	N	15	70	20	50	N	N	30	30
JAF571	--	<5.0	N	N	--	70	20	--	N	--	50	30
206	500	1.0	N	N	N	20	7	20	N	N	7	N
207	200	1.0	N	N	5	70	20	20	N	N	15	15
221	300	<1.0	N	N	<5	70	15	20	N	N	20	15
CH079	500	<1.0	<10	<20	<5	30	<5	30	N	--	5	20
204	700	1.5	N	N	5	30	10	<20	N	<10	10	<10
205	700	1.5	N	N	5	30	10	30	N	<10	10	<10
220	700	1.0	N	N	5	20	20	30	N	<10	10	10
276	1,500	1.0	N	N	<5	30	7	50	N	<10	15	<10
279	500	<1.0	N	N	<5	20	7	30	N	N	7	<10
273	300	1.0	N	N	7	50	15	50	N	<10	20	10
274	700	1.5	N	N	7	30	10	70	N	<10	15	<10
275	500	1.0	N	N	5	30	15	30	N	<10	15	10
277	700	1.5	N	N	<5	15	15	30	N	<10	5	<10
278	700	1.0	N	N	5	30	10	50	N	10	15	<10
153	500	1.5	N	N	7	30	15	50	N	10	15	15
154	500	1.5	N	N	7	50	30	50	N	<10	15	10

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
CH080	<100	<5	<10	700	50	<50	20	2,000	<10	--	--
212	N	5	N	N	30	N	20	N	150	--	.04
272	N	7	N	N	50	N	30	N	150	--	.04
356	N	7	N	N	30	N	15	N	150	--	.04
190	N	10	N	N	70	N	15	N	100	--	N
191	N	7	N	N	50	N	20	N	150	--	N
188	N	10	N	N	50	N	20	N	150	--	.02
189	N	10	N	N	50	N	30	N	150	--	.05
174	N	10	N	N	50	N	20	N	150	--	.02
175	N	5	N	N	20	N	20	N	150	--	.02
176	N	5	N	N	20	N	15	N	150	--	.03
177	N	10	N	N	50	N	30	N	150	--	.03
20	N	15	N	N	100	N	20	N	150	--	.05
533	N	15	N	N	100	N	30	200	200	--	.06
534	N	10	N	N	100	N	20	N	150	--	.04
535	N	10	N	N	100	N	20	N	200	--	.04
536	N	7	N	N	30	N	20	N	100	--	<.02
169	N	20	N	N	100	N	30	N	300	--	N
170	N	10	N	N	70	N	30	N	150	N	N
356	N	15	N	N	70	N	20	N	150	--	N
BM356	N	15	N	N	70	N	20	N	150	--	--
033	N	10	N	N	50	N	30	N	300	--	.07
651	N	15	N	N	70	N	50	N	300	--	<.02
655	N	10	N	N	70	N	150	N	300	N	<.02
1374	N	7	N	N	50	N	15	N	150	N	N
1374A	N	7	N	N	50	N	15	N	150	N	N
1370	N	7	N	N	50	N	20	N	500	N	N
1370A	N	7	N	N	70	N	20	N	150	N	N
676	N	20	N	N	70	N	50	N	300	--	.26
671	N	30	N	N	70	N	70	N	300	--	.14
672	N	15	N	N	70	N	30	N	300	--	.08
668	N	15	N	N	70	N	50	N	300	N	.08
670	N	30	N	N	100	N	50	N	300	N	.08
JAF571	N	--	N	--	70	N	--	N	--	N	.04
206	N	5	N	N	30	N	15	N	100	N	<.02
207	N	7	N	<100	30	N	15	N	150	--	.02
221	N	5	N	200	30	N	10	N	100	--	.04
CH079	<100	<5	<10	200	30	<50	10	<200	100	--	--
204	N	5	N	N	50	N	20	N	150	N	.02
205	N	5	N	N	50	N	30	N	150	N	.04
220	N	5	N	N	20	N	20	N	200	--	.04
276	N	5	N	N	20	N	20	N	150	--	.02
279	N	<5	N	N	15	N	10	N	100	N	.02
273	N	7	N	N	50	N	20	N	200	--	.06
274	N	10	N	N	50	N	30	N	150	N	.02
275	N	5	N	N	20	N	20	N	150	--	<.02
277	N	5	N	N	20	N	20	N	150	--	.06
278	N	7	N	N	30	N	20	N	150	--	.04
153	N	7	N	N	20	N	30	N	200	N	N
154	N	7	N	N	20	N	20	N	100	N	N

Choteau seds--continued

sample	latitude	longitude	MAP_NO.	S-FEX	S-MGX	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
155	47 18 36	112 47 9	381	2.0	1.00	1.50	.150	300	N	N	N	70
594	47 18 59	112 48 48	382	2.0	5.00	10.00	.150	300	N	N	N	100
173	47 18 7	112 52 59	383	2.0	.70	.20	.150	150	N	N	N	70
18	47 18 15	112 55 59	384	10.0	1.50	1.00	>1.000	1,000	N	N	N	20
19	47 18 37	112 55 59	384	7.0	1.50	1.00	>1.000	1,000	N	N	N	20
17	47 18 17	112 56 10	385	10.0	3.00	2.00	>1.000	1,500	N	N	N	10
167	47 18 36	112 57 52	386	1.5	.70	1.50	.150	200	N	N	N	70
168	47 18 40	112 57 58	386	3.0	1.00	1.00	.200	300	N	N	N	70
031	47 18 32	113 1 29	387	1.5	.70	.15	.200	300	N	N	N	50
032	47 18 3	113 2 2	388	1.5	1.00	.70	.200	150	N	N	N	30
654	47 18 11	113 3 6	389	2.0	1.50	1.50	.300	200	N	N	N	50
637	47 18 47	113 23 3	390	3.0	1.50	.15	.300	300	N	N	N	100
688	47 18 38	113 23 10	390	3.0	2.00	.20	.500	300	N	N	N	150
693	47 18 5	113 27 45	391	3.0	2.00	.50	.500	300	N	N	N	150
JAF585	47 18 55	113 39 35	392	2.0	--	.20	--	500	N	N	N	--
JAF581	47 18 35	113 40 55	393	3.0	--	.50	--	500	N	N	N	--
JAF583	47 18 40	113 40 15	393	3.0	--	.30	--	700	N	N	N	--
JAF584	47 18 50	113 40 0	393	3.0	--	.50	--	1,000	N	N	N	--
JAF582	47 18 30	113 41 0	394	3.0	--	.50	--	700	N	N	N	--
ADA959	47 18 44	113 46 42	395	--	--	--	--	300	N	--	--	--
ADA955	47 18 6	113 49 6	396	--	--	--	--	300	N	--	--	--
ADA087	47 18 36	113 51 35	397	--	--	--	--	500	N	--	--	--
ADA088	47 18 34	113 51 32	397	--	--	--	--	500	N	--	--	--
ADA089	47 18 28	113 51 33	397	--	--	--	--	300	N	--	--	--
ADA090	47 18 29	113 51 35	397	--	--	--	--	500	N	--	--	--
ADA091	47 18 41	113 51 29	397	--	--	--	--	500	N	--	--	--
AMS880	47 19 15	112 35 12	398	--	--	--	--	300	N	--	--	--
280	47 19 17	112 41 37	399	1.5	1.00	1.00	.150	200	N	N	N	100
281	47 19 22	112 41 54	399	2.0	2.00	2.00	.150	300	N	N	N	70
202	47 19 4	112 42 53	400	1.0	.70	.50	.100	150	N	N	N	50
203	47 19 6	112 42 42	400	2.0	5.00	7.00	.100	300	N	N	N	70
592	47 19 15	112 42 45	400	1.0	5.00	10.00	.050	150	N	N	N	30
163	47 19 54	112 43 45	401	1.5	.70	1.50	.150	150	N	N	N	50
589	47 19 56	112 43 25	401	1.5	5.00	7.00	.100	300	N	N	N	30
590	47 19 49	112 43 16	401	1.0	7.00	10.00	.030	150	N	N	N	30
591	47 19 33	112 43 6	401	1.5	.50	1.50	.200	300	N	N	N	50
593	47 19 21	112 43 10	401	1.0	.50	.70	.100	100	N	N	N	30
238	47 19 49	112 44 39	402	1.5	1.00	1.00	.150	200	N	N	N	70
314	47 19 16	112 45 59	403	1.5	.70	1.50	.200	150	N	N	N	50
CH077	47 19 15	112 46 50	404	1.5	1.00	5.00	.150	300	N	<200	--	10
CH078	47 19 4	112 46 53	404	.7	.10	2.00	.150	1,000	<.5	<200	--	10
158	47 19 11	112 46 45	404	1.5	1.00	2.00	.150	200	N	N	N	50
156	47 19 25	112 47 50	405	1.5	1.00	3.00	.150	200	N	N	N	50
157	47 19 37	112 47 31	405	2.0	1.00	.15	.150	300	N	N	N	70
668	47 19 23	112 47 12	405	2.0	1.50	1.50	.200	200	N	N	N	70
166	47 19 27	112 56 54	406	5.0	1.50	1.00	.200	300	N	N	N	70
633	47 19 53	112 59 55	407	1.5	.70	.30	.200	300	N	N	N	70
632	47 19 38	113 0 27	408	1.0	.70	1.00	.070	700	N	N	N	30
030	47 19 19	113 1 32	409	1.5	1.00	.15	.200	300	N	N	N	70
BM030	47 19 22	113 1 28	409	1.5	1.00	.15	.200	300	N	N	N	70

sample	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
155	500	1.0	N	N	10	30	30	30	N	<10	20	10
594	200	<1.0	N	N	7	30	15	<20	N	N	20	15
173	700	1.0	N	N	5	50	7	50	N	10	15	10
18	500	N	N	N	50	100	100	20	N	N	30	15
19	500	N	N	N	50	70	70	<20	N	N	30	20
17	500	<1.0	N	N	70	100	150	N	N	N	30	10
167	700	1.0	N	N	5	30	10	50	N	<10	10	20
168	700	1.5	N	N	7	100	20	50	N	10	20	20
031	300	1.0	N	N	10	15	15	30	N	<10	15	<10
032	300	<1.0	N	N	7	15	10	<20	N	N	15	<10
654	150	2.0	N	N	5	20	30	50	N	N	20	20
687	300	1.0	N	N	10	50	20	50	N	N	20	30
688	300	1.0	N	N	15	70	30	50	N	N	30	30
693	300	3.0	N	N	15	50	20	50	N	--	15	<20
JAF585	--	N	N	N	--	50	15	--	N	--	30	<20
JAF581	--	<5.0	N	N	--	50	20	--	N	--	30	20
JAF583	--	<5.0	N	N	--	50	20	--	N	--	30	20
JAF584	--	<5.0	N	N	--	50	30	--	N	--	30	<20
JAF582	--	<5.0	N	N	--	50	20	--	N	--	50	30
ADA959	300	--	--	--	20	70	20	--	N	--	20	20
ADA955	300	--	--	--	5	30	20	--	N	--	10	20
ADA087	300	--	--	--	15	50	10	--	N	--	30	30
ADA088	500	--	--	--	15	50	20	--	N	--	20	70
ADA089	300	--	--	--	15	30	20	--	N	--	15	50
ADA090	500	--	--	--	15	50	15	--	N	--	30	50
ADA091	300	--	--	--	20	50	20	--	N	--	15	30
AMS880	700	--	--	--	7	70	10	--	N	--	15	10
280	500	1.5	N	N	5	50	30	30	N	<10	15	15
281	500	1.0	N	N	7	30	30	30	N	<10	7	<10
202	700	1.0	N	N	<5	100	15	20	N	N	20	15
203	700	1.0	N	N	5	15	5	<20	N	N	15	<10
592	70	N	N	N	N	15	<5	<20	N	N	10	<10
163	700	1.0	N	N	<5	30	10	<20	N	N	15	15
589	200	N	N	N	<5	20	20	<20	N	N	10	15
590	70	N	N	N	<5	30	15	<20	N	N	20	15
591	200	1.0	N	N	N	<10	10	30	N	N	5	10
593	300	<1.0	N	N	5	20	<5	30	N	<10	10	15
238	700	1.0	N	N	5	20	<5	50	N	<10	7	15
314	1,000	1.0	N	N	5	15	<5	50	N	--	<5	15
CH077	700	<1.0	<10	<20	<5	5	<5	50	<5.0	--	<5	20
CH078	300	<1.0	<10	<20	<5	30	<5	50	<5.0	--	<5	20
158	700	1.5	N	N	<5	30	5	30	N	<10	10	10
156	500	1.0	N	N	5	30	70	30	N	<10	10	15
157	700	1.5	N	N	7	30	20	30	N	10	15	10
668	300	N	N	N	<5	20	10	50	N	10	10	10
166	500	1.0	N	N	10	150	15	50	N	15	30	20
633	200	1.5	N	N	5	30	30	N	N	N	10	10
632	200	1.5	N	N	N	20	7	50	N	N	7	<10
030	300	1.0	N	N	7	15	50	<20	N	N	15	<10
BM030	300	1.0	N	N	7	15	50	30	N	N	15	<10

Choteau seds--continued

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
155	N	7	N	N	30	N	20	N	150	--	N
594	N	5	N	N	20	N	10	N	50	N	.02
173	N	10	N	N	50	N	30	N	200	N	N
18	N	30	N	N	200	N	50	N	150	N	.05
19	N	50	N	N	200	N	30	N	150	N	.04
17	N	50	N	100	300	N	30	N	100	N	N
167	N	5	N	N	30	N	30	N	150	--	N
168	N	10	N	N	50	N	30	N	200	--	N
031	N	7	N	N	30	N	20	N	200	--	.05
032	N	5	N	N	30	N	15	N	100	--	.04
654	N	10	N	N	50	N	20	N	300	N	.04
687	N	10	N	N	70	N	30	N	300	--	.04
688	N	15	N	N	70	N	50	N	500	--	.02
693	N	30	N	N	70	N	30	N	300	N	.04
JAF585	N	--	N	--	70	N	--	N	--	--	.04
JAF581	N	--	N	--	70	N	--	N	--	--	.03
JAF583	N	--	N	--	70	N	--	N	--	--	.02
JAF584	N	--	N	--	70	N	--	N	--	--	.06
JAF582	N	--	N	--	70	N	--	N	--	--	.03
ADA959	--	--	N	--	70	--	30	N	--	--	--
ADA955	--	--	N	--	70	--	15	N	--	--	--
ADA087	--	--	N	--	70	--	15	N	--	--	--
ADA088	--	--	N	--	70	--	30	N	--	--	--
ADA089	--	--	N	--	70	--	20	N	--	--	--
ADA090	--	--	N	--	70	--	15	N	--	--	--
ADA091	--	--	N	--	70	--	20	N	--	--	--
AMS880	--	--	N	--	70	--	10	N	--	--	--
280	N	10	N	N	50	N	30	N	150	N	.02
281	N	7	N	N	30	N	20	N	150	N	<.02
202	N	5	N	N	20	N	20	N	100	N	.04
203	N	7	N	N	50	N	20	N	100	--	.04
592	N	<5	N	N	10	N	15	N	30	N	<.02
163	N	<5	N	N	20	N	15	N	300	N	N
589	N	<5	N	N	20	N	10	N	50	N	.08
590	N	N	N	N	10	N	10	N	20	N	.08
591	N	5	N	100	30	N	15	N	150	N	.08
593	N	<5	N	N	10	N	15	N	200	N	.08
238	N	5	N	N	30	N	20	N	300	N	.02
314	N	5	N	N	30	N	20	N	300	N	<.02
CH077	<100	<5	<10	150	20	<50	10	<200	70	--	--
CH078	<100	<5	<10	50	10	<50	7	<200	100	--	--
158	N	7	N	N	20	N	20	N	150	N	N
156	N	7	N	N	30	N	20	N	300	N	N
157	N	7	N	N	30	N	20	N	150	N	N
668	N	5	N	N	20	N	15	N	100	--	.02
166	N	10	N	N	50	N	30	N	150	N	N
633	N	10	N	N	50	N	20	N	70	N	.08
632	N	7	N	N	70	N	15	N	70	N	.72
030	N	7	N	N	30	N	20	N	150	--	.04
BM030	N	7	N	N	30	N	20	N	150	--	--

sample	Latitude	Longitude	MAP_NO.	S-FEZ	S-MGX	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
355	47 19 43	113 2 28	410	1.0	1.00	7.00	.150	200	N	N	N	30
656	47 19 12	113 11 52	411	3.0	1.00	.20	.300	300	N	N	N	70
657	47 19 28	113 11 48	411	2.0	1.50	.30	.300	300	N	N	N	100
658	47 19 28	113 11 27	411	2.0	1.00	.20	.300	300	N	N	N	100
682	47 19 53	113 16 48	412	3.0	1.50	.30	.300	300	N	N	N	150
679	47 19 1	113 17 11	413	3.0	1.50	.30	.300	200	N	N	N	100
680	47 19 0	113 17 34	413	3.0	2.00	.50	.500	300	N	N	N	100
681	47 19 20	113 17 20	413	3.0	1.50	.30	.300	300	N	N	N	150
267	47 19 11	113 19 29	414	2.0	1.00	.05	.700	300	N	N	N	70
691	47 19 8	113 20 42	415	3.0	2.00	.30	.500	300	N	N	N	150
692	47 19 11	113 20 3	415	5.0	3.00	.30	.500	300	N	N	N	150
685	47 19 1	113 21 28	416	3.0	2.00	.20	.500	300	N	N	N	150
689	47 19 5	113 21 53	416	5.0	2.00	.50	.700	1,000	N	N	N	150
690	47 19 14	113 21 3	416	3.0	1.50	.30	.500	300	N	N	N	150
576	47 19 20	113 28 49	417	3.0	3.00	.20	.300	300	N	N	N	100
JAF574	47 19 10	113 37 55	418	2.0	--	.20	--	500	N	N	N	--
AC2054	47 19 22	113 44 36	419	--	--	--	--	500	N	--	--	--
AC2055	47 19 21	113 44 39	419	--	--	--	--	700	N	--	--	--
AC2056	47 19 21	113 44 34	419	--	--	--	--	500	N	--	--	--
AC2935	47 19 59	113 46 57	420	--	--	--	--	100	N	--	--	--
AC2942	47 19 43	113 46 9	420	--	--	--	--	700	N	--	--	--
ADA960	47 19 43	113 46 9	420	--	--	--	--	200	N	--	--	--
ADA420	47 19 52	113 48 41	421	--	--	--	--	200	N	--	--	--
ADA422	47 19 50	113 48 37	421	--	--	--	--	500	N	--	--	--
ADA423	47 19 36	113 48 54	421	--	--	--	--	500	N	--	--	--
AC2080	47 19 26	113 51 51	422	--	--	--	--	200	N	--	--	--
AMS879	47 20 18	112 33 42	423	--	--	--	--	1,500	N	--	--	--
AMS878	47 20 15	112 34 54	424	--	--	--	--	1,500	N	--	--	--
160	47 20 31	112 43 58	425	1.0	5.00	10.00	.050	150	N	N	N	30
162	47 20 8	112 43 47	425	1.5	3.00	5.00	.070	150	N	N	N	30
586	47 20 39	112 43 28	425	1.5	3.00	15.00	.070	300	N	N	N	50
588	47 20 3	112 43 35	425	1.5	3.00	3.00	.150	300	N	N	N	50
159	47 20 47	112 44 17	426	1.0	5.00	7.00	.050	200	N	N	N	50
161	47 20 26	112 44 11	426	1.5	2.00	5.00	.150	200	N	N	N	50
584	47 20 58	112 44 38	426	1.5	7.00	10.00	.070	300	N	N	N	50
585	47 20 42	112 44 25	426	1.0	7.00	15.00	.050	200	N	N	N	30
587	47 20 26	112 44 11	426	1.0	3.00	5.00	.070	150	N	N	N	100
316	47 20 35	112 47 21	427	3.0	.70	.15	.200	700	N	N	N	100
317	47 20 40	112 47 21	427	2.0	.70	1.50	.300	200	N	N	N	50
318	47 20 35	112 47 13	427	2.0	.70	.20	.150	300	N	N	N	100
319	47 20 50	112 47 18	427	1.0	.50	.05	.150	150	N	N	N	100
320	47 20 56	112 47 9	427	1.0	.70	1.50	.150	150	N	N	N	70
321	47 20 59	112 47 3	427	1.0	3.00	7.00	.150	150	N	N	N	50
315	47 20 14	112 48 28	428	3.0	.70	1.50	.200	300	N	N	N	50
341	47 20 16	112 50 54	429	1.0	1.00	15.00	.070	300	N	N	N	30
342	47 20 10	112 50 51	429	3.0	3.00	5.00	.200	300	N	N	N	70
343	47 20 44	112 50 9	429	1.5	2.00	15.00	.100	300	N	N	N	30
344	47 20 47	112 50 19	429	2.0	2.00	7.00	.150	500	N	N	N	70
634	47 20 8	112 59 42	430	2.0	.70	.20	.150	150	N	N	N	70
357	47 20 5	113 0 33	431	1.5	1.00	.07	.300	200	N	N	N	50

Choteau seds---continued

sample	S-BA	S-BE	S-BI	S-CB	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
355	200	<1.0	N	N	7	20	15	<20	N	<10	10	15
656	300	2.0	N	N	5	30	30	20	N	N	15	20
657	300	1.0	N	N	5	30	30	30	N	N	15	20
658	300	3.0	N	N	<5	30	30	30	N	N	7	20
682	200	2.0	N	N	5	30	30	30	N	N	20	20
679	200	1.0	N	N	7	30	15	30	N	N	20	30
680	300	2.0	N	N	5	50	30	70	N	N	20	20
681	300	2.0	N	N	5	30	30	30	N	N	20	20
267	300	1.0	N	N	15	30	70	30	N	10	20	20
691	200	1.0	N	N	15	70	20	50	N	N	30	30
692	300	2.0	N	N	15	50	20	70	N	N	30	30
685	500	2.0	N	N	15	70	20	70	N	N	30	30
689	500	3.0	N	N	20	100	50	70	N	N	30	30
690	300	2.0	N	N	15	70	30	50	N	N	30	30
576	300	2.0	N	N	15	50	70	30	N	N	30	70
JAF574	--	<5.0	N	N	--	50	10	--	N	--	20	N
AC2054	300	--	--	--	15	70	50	--	N	--	30	<10
AC2055	500	--	--	--	15	50	30	--	N	--	30	10
AC2056	300	--	--	--	15	30	50	--	N	--	30	<10
AC2935	200	--	--	--	5	50	30	--	N	--	5	50
AC2942	150	--	--	--	10	15	20	--	N	--	15	20
ADA960	300	--	--	--	20	70	20	--	N	--	50	30
ADA420	300	--	--	--	<5	30	30	--	N	--	N	20
ADA422	300	--	--	--	7	50	30	--	N	--	15	70
ADA423	300	--	--	--	15	70	20	--	N	--	50	15
AC2080	300	--	--	--	<5	15	20	--	N	--	7	50
AMS879	1,000	--	--	--	10	70	30	--	N	--	70	10
AMS878	500	--	--	--	5	50	20	--	N	--	30	20
160	70	<1.0	N	N	<5	20	15	--	N	N	10	10
162	300	<1.0	N	N	5	30	15	<20	N	N	15	20
586	100	N	N	N	7	20	5	<20	N	N	20	<10
588	300	N	N	N	<5	15	15	30	N	N	15	15
159	70	<1.0	N	N	<5	50	15	<20	N	<10	15	15
161	300	1.0	N	N	5	50	20	20	N	N	10	15
584	100	<1.0	N	N	5	30	15	<20	N	N	20	10
585	50	N	N	N	<5	20	15	N	N	N	15	<10
587	300	N	N	N	5	15	10	30	N	N	10	15
316	700	1.0	N	N	7	30	<5	30	N	<10	30	15
317	500	1.0	N	N	7	30	7	50	N	<10	15	15
318	500	1.5	N	N	7	30	15	20	N	<10	15	15
319	500	1.0	N	N	5	30	<5	30	N	<10	10	10
320	500	1.5	N	N	5	30	10	50	N	<10	15	10
321	300	<1.0	N	N	<5	30	15	<20	N	N	15	20
315	500	1.0	N	N	7	30	10	20	N	<10	15	10
341	200	<1.0	N	N	5	100	20	70	N	<10	15	20
342	300	<1.0	N	N	10	100	20	50	N	<10	20	20
343	200	<1.0	N	N	5	30	7	100	N	N	15	20
344	200	<1.0	N	N	10	50	15	50	N	N	20	70
634	300	2.0	N	N	10	30	10	30	N	N	15	10
357	700	<1.0	N	N	10	30	5	20	N	<10	15	15

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
355	N	5	N	N	30	N	20	N	70	--	N
656	N	5	N	N	70	N	15	N	300	N	.04
657	N	10	N	N	70	N	50	N	500	N	.20
658	N	7	N	N	70	N	30	N	300	N	.08
682	N	15	N	N	70	N	50	N	700	N	.10
679	N	7	N	N	70	N	30	N	200	--	N
680	N	15	N	N	70	N	50	N	300	N	.04
681	N	10	N	N	70	N	50	N	300	N	.04
267	N	15	N	N	70	N	30	N	300	--	.06
691	N	20	N	N	70	N	50	N	500	--	<.02
692	N	20	N	N	100	N	50	N	500	N	.04
685	N	15	N	N	70	N	50	N	300	--	.02
689	N	30	N	N	100	N	70	N	300	--	.10
690	N	20	N	N	70	N	30	N	300	--	.08
576	N	15	N	N	70	N	30	N	150	N	.08
JAF574	N	--	N	--	50	N	--	N	--	--	.04
AC2054	--	--	N	--	70	--	30	N	--	--	--
AC2055	--	--	N	--	70	--	50	N	--	--	--
AC2056	--	--	N	--	70	--	30	N	--	--	--
AC2935	--	--	N	--	30	--	20	N	--	--	--
AC2942	--	--	N	--	70	--	70	N	--	--	--
ADA960	--	--	N	--	70	--	50	N	--	--	--
ADA420	--	--	N	--	30	--	20	N	--	--	--
ADA422	--	--	N	--	70	--	30	N	--	--	--
ADA423	--	--	N	--	70	--	30	N	--	--	--
AC2080	--	--	N	--	70	--	20	N	--	--	--
AHS879	--	--	N	--	300	--	<10	N	--	--	--
AHS878	--	--	N	--	150	--	<10	N	--	--	--
160	N	N	N	100	20	N	10	N	100	--	.03
162	N	<5	N	N	30	N	10	N	100	--	.03
586	N	5	N	100	15	N	<10	N	30	N	.06
588	N	5	N	N	20	N	15	N	100	N	.06
159	N	5	N	N	20	N	<10	N	20	N	.04
161	N	5	N	<100	20	N	15	N	100	N	.03
584	N	<5	N	N	20	N	10	N	50	N	.06
565	N	<5	N	N	15	N	N	N	20	N	.02
587	N	5	N	N	15	N	15	N	70	N	.02
316	N	5	N	N	30	N	20	N	150	--	.02
317	N	7	N	N	30	N	20	N	300	--	<.02
318	N	7	N	N	30	N	30	N	150	N	.06
319	N	<5	N	N	20	N	15	N	100	N	.04
320	N	<5	N	N	20	N	20	N	150	--	.04
321	N	<5	N	N	20	N	15	N	150	N	.08
315	N	7	N	N	30	N	20	N	200	N	.02
341	N	5	N	150	20	N	15	N	100	--	.08
342	N	10	N	N	30	N	15	N	70	N	<.02
343	N	5	N	N	15	N	15	N	70	--	.06
344	N	5	N	100	30	N	10	N	30	--	--
634	N	10	N	N	70	N	30	N	150	N	.04
357	N	10	N	N	50	N	30	N	150	--	.02

Choteau seds--continued

sample	latitude	longitude	MAP_NO.	S-FEX	S-MGX	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
358	47 20 54	113 0 39	431	1.0	.50	.50	.200	300	N	N	N	30
BM357	47 20 15	113 0 48	431	1.5	1.00	.07	.300	200	N	N	N	50
029	47 20 20	113 1 26	432	1.5	1.00	.70	.300	200	N	N	N	50
354	47 20 26	113 1 58	432	1.0	.50	.20	.200	150	N	N	N	50
CH202	47 20 51	113 1 27	432	.5	.30	.05	.050	500	<.5	<200	--	20
CH202	47 20 56	113 1 29	432	.5	.30	.05	.050	500	<.5	<200	--	20
652	47 20 1	113 4 26	433	3.0	2.00	1.50	.500	300	N	N	N	100
653	47 20 14	113 4 18	433	3.0	1.50	.20	.300	150	N	N	N	70
039	47 20 54	113 7 41	434	2.0	1.50	.07	.300	300	N	N	N	100
040	47 20 50	113 7 54	434	1.5	1.00	.05	.200	150	N	N	N	50
353	47 20 29	113 8 7	435	1.5	1.00	.07	.300	200	N	N	N	70
660	47 20 38	113 10 39	436	2.0	1.50	.20	.300	300	N	N	N	150
659	47 20 19	113 11 2	437	1.5	.70	.10	.200	150	N	N	N	100
683	47 20 30	113 16 48	438	1.5	1.00	.20	.300	150	N	N	N	100
266	47 20 3	113 17 7	439	2.0	1.00	.05	.700	300	N	N	N	70
684	47 20 40	113 17 0	439	3.0	2.00	.20	.300	200	N	N	N	100
616	47 20 55	113 24 26	440	3.0	1.00	.10	.300	300	N	N	N	100
JAF576	47 20 25	113 38 5	441	3.0	--	.20	--	700	N	N	N	--
JAF575	47 20 20	113 39 5	442	3.0	--	.20	--	1,000	N	N	N	--
JAF580	47 20 20	113 42 25	443	3.0	--	.30	--	700	N	N	N	--
JAF578	47 20 20	113 43 40	444	2.0	--	.20	--	300	N	N	N	--
JAF579	47 20 0	113 43 45	444	2.0	--	.30	--	300	N	N	N	--
ADA409	47 20 33	113 45 4	445	--	--	--	--	300	N	--	--	--
ADA410	47 20 13	113 46 8	446	--	--	--	--	700	.5	--	--	--
ADA411	47 20 18	113 46 20	446	--	--	--	--	500	N	--	--	--
ADA412	47 20 5	113 46 20	446	--	--	--	--	300	N	--	--	--
ADA413	47 20 5	113 46 22	446	--	--	--	--	150	N	--	--	--
ADA414	47 20 6	113 46 37	446	--	--	--	--	500	N	--	--	--
ADA415	47 20 5	113 46 49	446	--	--	--	--	150	N	--	--	--
ADA141	47 20 18	113 49 33	447	--	--	--	--	500	N	--	--	--
ADA143	47 20 44	113 49 39	447	--	--	--	--	700	N	--	--	--
ADA144	47 20 47	113 49 40	447	--	--	--	--	500	N	--	--	--
ADA147	47 20 45	113 49 27	447	--	--	--	--	200	N	--	--	--
ADA148	47 20 36	113 49 10	447	--	--	--	--	700	N	--	--	--
ADA137	47 20 25	113 50 8	448	--	--	--	--	300	N	--	--	--
582	47 21 29	112 45 37	449	1.5	5.00	10.00	.070	300	N	N	N	70
583	47 21 16	112 45 18	449	1.0	5.00	10.00	.070	150	N	N	N	30
328	47 21 19	112 46 55	450	2.0	2.00	7.00	.150	300	N	N	N	50
329	47 21 32	112 46 57	450	1.5	2.00	5.00	.150	200	N	N	N	50
330	47 21 33	112 46 43	450	1.5	7.00	10.00	.100	300	N	N	N	70
331	47 21 35	112 46 47	450	1.5	5.00	5.00	.150	500	N	N	N	50
CH191	47 21 22	112 47 3	451	7.0	.30	2.00	.010	1,000	<.5	<200	--	70
326	47 21 1	112 47 14	451	.7	.50	3.00	.100	150	N	N	N	20
327	47 21 22	112 47 3	451	1.0	2.00	7.00	.150	200	N	N	N	30
332	47 21 48	112 47 25	451	2.0	1.50	5.00	.150	200	N	N	N	50
333	47 21 54	112 47 26	451	1.0	1.00	5.00	.070	150	N	N	N	50
335	47 21 51	112 47 36	451	1.0	1.50	7.00	.100	150	N	N	N	30
336	47 21 51	112 47 41	451	1.5	2.00	5.00	.100	200	N	N	N	70
340	47 21 37	112 49 25	452	3.0	1.00	.70	.200	300	N	N	N	100
347	47 21 31	112 49 51	452	1.5	1.50	.30	.200	500	N	N	N	100

sample	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
358	300	<1.0	N	N	7	15	5	20	N	<10	10	10
BM357	700	<1.0	N	N	10	30	5	20	N	<10	15	15
029	700	1.5	N	N	5	15	15	30	N	<10	15	15
354	300	<1.0	N	N	10	20	7	30	N	<10	10	15
CH202	300	<1.0	<10	<20	<5	<10	5	50	<5.0	--	<5	<10
CH202	300	<1.0	<10	<20	<5	<10	5	50	<5.0	--	<5	<10
652	500	2.0	N	N	10	30	20	50	N	N	20	20
653	200	3.0	N	N	5	30	15	30	N	N	20	10
039	500	1.5	N	N	10	30	15	30	N	10	20	10
040	700	<1.0	N	N	5	15	100	20	N	N	15	<10
353	700	1.0	N	N	15	30	10	50	N	10	15	15
660	200	2.0	N	N	5	50	10	20	N	N	15	30
659	200	1.5	N	N	<5	20	7	30	N	N	7	10
683	500	2.0	N	N	N	30	20	50	N	N	10	10
266	300	1.0	N	N	20	70	20	50	N	15	30	20
684	300	1.0	N	N	7	50	20	30	N	N	20	15
616	300	1.5	N	N	10	50	10	30	N	N	20	50
JAF576	---	5.0	N	N	--	70	15	--	N	--	30	20
JAF575	---	5.0	N	N	--	100	50	--	N	--	70	30
JAF580	---	N	N	N	--	70	20	--	N	--	30	<20
JAF578	---	N	N	N	--	50	7	--	N	--	30	20
JAF579	---	N	N	N	--	50	15	--	N	--	30	<20
ADA609	300	--	--	--	15	50	30	--	N	--	20	10
ADA410	700	--	--	--	15	70	100	--	N	--	30	50
ADA411	700	--	--	--	15	70	30	--	N	--	30	20
ADA412	300	--	--	--	15	70	20	--	N	--	20	30
ADA413	300	--	--	--	15	70	50	--	N	--	30	15
ADA414	300	--	--	--	15	70	20	--	N	--	30	30
ADA415	200	--	--	--	15	50	20	--	N	--	30	<10
ADA141	300	--	--	--	20	70	30	--	N	--	70	50
ADA143	200	--	--	--	15	50	30	--	N	--	15	50
ADA144	200	--	--	--	10	50	20	--	N	--	10	70
ADA147	300	--	--	--	15	70	30	--	N	--	30	30
ADA148	300	--	--	--	15	50	20	--	N	--	20	50
ADA137	150	--	--	--	N	<10	20	--	N	--	N	20
582	100	<1.0	N	N	5	50	10	30	N	N	20	15
583	50	<1.0	N	N	5	30	10	<20	N	N	15	15
328	300	1.0	N	N	10	70	20	30	N	<10	20	20
329	300	1.0	N	N	<5	20	10	20	N	<10	5	10
330	150	<1.0	N	N	<5	50	15	N	N	N	15	15
331	300	<1.0	N	N	<5	70	15	30	N	N	15	50
CH191	200	1.0	<10	<20	<5	<10	<5	<20	<5.0	--	<5	<10
326	300	1.0	N	N	N	15	10	30	N	<10	7	10
327	500	<1.0	N	N	N	15	7	30	N	N	10	10
332	300	1.0	N	N	<5	50	30	20	N	N	15	20
333	300	1.0	N	N	N	20	20	20	N	N	7	10
335	300	<1.0	N	N	N	15	20	30	N	N	5	10
336	500	<1.0	N	N	<5	20	30	20	N	N	10	10
340	1,000	1.0	N	N	5	50	20	50	N	N	10	20
347	1,000	1.0	N	N	<5	20	7	70	N	N	7	15

Choteau seds---continued

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
358	N	7	N	N	30	N	15	N	150	--	.02
BM357	N	10	N	N	50	N	30	N	150	--	--
029	N	10	N	N	30	N	30	N	300	--	.06
354	N	7	N	N	30	N	20	N	150	--	.02
CH202	<100	<5	<10	<100	10	<50	10	<200	100	--	--
CH202	<100	<5	<10	<100	10	<50	10	<200	100	--	--
652	N	15	N	N	70	N	70	N	500	N	.02
653	N	10	N	N	70	N	30	N	300	N	<.02
039	N	10	N	N	50	N	30	N	150	--	.02
040	N	7	N	N	30	N	70	N	150	--	.03
353	N	15	N	N	50	N	30	N	200	N	N
660	N	10	N	N	70	N	30	N	300	N	.08
659	N	5	N	N	50	N	30	N	500	N	.02
683	N	5	N	N	50	N	20	N	500	--	N
266	N	15	N	N	70	N	30	N	300	--	.05
684	N	7	N	N	70	N	20	N	200	N	.08
616	N	15	N	N	70	N	30	N	150	N	.21
JAF576	N	--	N	--	70	N	--	N	--	--	.06
JAF575	N	--	N	--	100	N	--	N	--	--	.04
JAF580	N	--	N	--	70	N	--	N	--	--	.04
JAF578	N	--	N	--	70	N	--	N	--	--	<.02
JAF579	N	--	N	--	70	N	200	N	--	--	.08
ADA409	--	--	N	--	70	--	50	N	--	--	--
ADA410	--	--	N	--	70	--	70	N	--	--	--
ADA411	--	--	N	--	70	--	70	N	--	--	--
ADA412	--	--	N	--	70	--	20	N	--	--	--
ADA413	--	--	N	--	70	--	20	N	--	--	--
ADA414	--	--	N	--	70	--	20	N	--	--	--
ADA415	--	--	N	--	70	--	30	N	--	--	--
ADA141	--	--	N	--	70	--	20	N	--	--	--
ADA143	--	--	N	--	50	--	30	N	--	--	--
ADA144	--	--	100	--	70	--	20	N	--	--	--
ADA147	--	--	N	--	50	--	15	N	--	--	--
ADA148	--	--	N	--	70	--	20	N	--	--	--
ADA137	--	--	N	--	50	--	20	N	--	--	--
582	N	7	N	N	30	N	15	N	--	N	--
583	N	<5	N	N	30	N	10	N	20	N	.04
328	N	10	N	150	15	N	<10	N	30	N	.04
329	N	5	N	N	50	N	20	N	100	N	.02
330	N	5	N	N	20	N	15	N	150	--	.02
331	N	5	N	N	20	N	15	N	50	--	.02
CH191	N	5	N	N	30	N	15	N	70	--	<.02
326	<100	10	<10	<100	100	<50	50	<200	70	--	--
327	N	5	N	N	10	N	15	N	100	N	<.02
332	N	5	N	N	15	N	15	N	100	--	.04
333	N	5	N	N	30	N	15	N	150	--	.04
335	N	<5	N	N	15	N	15	N	70	--	.04
336	N	5	N	N	20	N	15	N	100	N	<.02
340	N	5	N	N	30	N	20	N	100	--	<.02
347	N	7	N	N	30	N	30	N	300	N	.02
	N	7	N	N	30	N	30	N	200	N	.06

sample	Latitude	Longitude	MAP_NO.	S-FEX	S-MGX	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
348	47 21 25	112 49 49	452	2.0	2.00	5.00	.100	300	N	N	N	50
345	47 21 16	112 50 7	453	3.0	3.00	5.00	.150	300	N	N	N	70
346	47 21 13	112 50 0	453	1.5	3.00	10.00	.070	200	N	N	N	50
BMQ31	47 21 18	113 1 36	454	1.5	.70	.15	.200	300	N	N	N	50
044	47 21 8	113 2 43	455	1.5	.70	.07	.200	150	N	N	N	50
597	47 21 52	113 2 37	455	2.0	1.50	1.50	.200	150	N	N	N	70
043	47 21 15	113 4 52	456	1.5	1.00	.05	.300	200	N	N	N	50
038	47 21 44	113 7 37	457	1.5	1.00	.07	.150	100	N	N	N	30
041	47 21 11	113 7 46	457	1.5	.70	.07	.200	150	N	N	N	70
042	47 21 11	113 7 32	457	2.0	1.50	.07	.300	200	N	N	N	70
661	47 21 4	113 10 34	458	1.5	.70	.20	.300	150	N	N	N	70
662	47 21 17	113 10 25	458	3.0	1.50	.20	.300	300	N	N	N	100
663	47 21 35	113 10 45	458	2.0	1.00	.15	.200	150	N	N	N	100
664	47 21 51	113 10 51	458	3.0	1.00	.30	.300	300	N	N	N	100
269	47 21 49	113 14 9	459	2.0	.70	.07	.500	300	N	N	N	70
265	47 21 57	113 16 4	460	1.5	1.00	.15	.500	300	N	N	N	70
265	47 21 27	113 16 31	460	2.0	1.50	.07	.500	300	N	N	N	70
268	47 21 54	113 17 57	461	2.0	1.00	.05	.700	500	N	N	N	50
276	47 21 38	113 19 1	462	2.0	1.00	.05	.700	500	N	N	N	70
342	47 21 58	113 19 0	462	3.0	1.00	.07	.300	200	N	N	N	70
341	47 21 40	113 20 13	463	2.0	1.00	.07	.300	300	N	N	N	100
619	47 21 9	113 21 19	464	3.0	1.00	.07	.300	300	N	N	N	150
620	47 21 6	113 21 3	464	3.0	1.00	.07	.300	150	N	N	N	100
621	47 21 48	113 21 1	464	3.0	1.50	.10	.300	700	N	N	N	150
618	47 21 45	113 22 45	465	3.0	1.00	.20	.300	500	N	N	N	100
617	47 21 54	113 23 16	466	5.0	.70	.07	.300	500	N	N	N	100
615	47 21 4	113 24 41	467	3.0	.70	.10	.300	300	N	N	N	100
614	47 21 32	113 25 58	468	3.0	1.00	.07	.300	300	N	N	N	150
569	47 21 22	113 31 9	469	3.0	3.00	.30	.300	500	N	N	N	100
570	47 21 35	113 31 7	469	2.0	3.00	2.00	.200	300	N	N	N	70
568	47 21 56	113 32 9	470	3.0	3.00	.50	.300	500	N	N	N	100
JAF577	47 21 25	113 40 15	471	2.0	--	.20	--	1,000	N	N	N	--
JAF57	47 21 5	113 46 10	472	3.0	--	.50	--	2,000	N	N	N	--
ADA067	47 21 47	113 47 16	473	--	--	--	--	700	N	--	--	--
ADA068	47 21 43	113 47 9	473	--	--	--	--	1,000	N	--	--	--
ADA069	47 21 26	113 47 24	473	--	--	--	--	700	N	--	--	--
AC2924	47 21 40	113 50 51	474	--	--	--	--	300	N	--	--	--
ADA406	47 21 53	113 54 44	475	--	--	--	--	300	N	--	--	--
ADA407	47 21 46	113 54 28	475	--	--	--	--	300	N	--	--	--
ADA408	47 21 43	113 54 28	475	--	--	--	--	500	N	--	--	--
322	47 22 55	112 47 9	476	--	--	--	--	300	N	--	--	150
323	47 22 53	112 47 16	476	3.0	3.00	5.00	.150	300	N	N	N	70
334	47 22 0	112 47 30	476	3.0	5.00	7.00	.100	300	N	N	N	100
CH190	47 22 14	112 48 41	477	5.0	2.00	20.00	.020	2,000	N	<200	--	10
337	47 22 17	112 48 12	477	1.5	2.00	7.00	.150	300	N	<.5	--	70
338	47 22 17	112 48 23	477	3.0	3.00	7.00	.200	200	N	N	N	70
339	47 22 10	112 48 47	477	3.0	1.50	2.00	.200	700	N	N	N	100
299	47 22 7	112 49 6	478	1.5	3.00	5.00	.150	200	N	N	N	50
552	47 22 4	112 52 59	479	5.0	1.50	1.50	.200	300	N	N	N	70
553	47 22 1	112 53 12	480	3.0	1.50	1.50	.200	700	N	N	N	70

Choteau seds---continued

sample	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
348	300	<1.0	N	N	10	70	15	30	N	N	20	20
345	500	<1.0	N	N	15	100	15	50	N	<10	30	50
346	150	<1.0	N	N	7	50	15	150	N	N	15	20
BM031	300	1.0	N	N	10	150-000	15	30	N	<10	15	<10
044	700	1.5	N	N	7	15	30	30	N	<10	10	<10
597	300	1.5	N	N	5	30	20	20	N	N	10	10
043	300	1.0	N	N	10	30	100	30	N	<10	20	10
038	300	<1.0	N	N	<5	15	70	30	N	N	10	<10
041	700	1.0	N	N	5	10	70	30	N	<10	10	10
042	700	1.5	N	N	10	15	<5	50	N	<10	15	<10
661	300	2.0	N	N	5	20	10	20	N	N	15	10
662	300	2.0	N	N	7	30	5	30	N	N	15	10
663	300	2.0	N	N	<5	20	30	20	N	N	10	20
664	700	2.0	N	N	5	30	20	30	N	N	15	20
269	500	1.0	N	N	20	50	20	50	N	10	20	20
263	500	1.0	N	N	15	50	70	50	N	10	20	20
265	500	1.5	N	N	15	50	100	30	N	<10	30	15
268	300	<1.0	N	N	15	50	20	50	N	<10	15	20
276	500	1.0	N	N	15	50	15	50	N	<10	30	10
342	300	<1.0	N	N	15	50	15	30	N	<10	30	15
341	500	<1.0	N	N	20	30	15	50	N	<10	30	15
619	300	1.5	N	N	15	30	10	30	N	N	20	30
620	200	1.5	N	N	10	50	10	30	N	N	20	20
621	300	2.0	N	N	15	70	15	30	N	N	20	70
618	300	1.5	N	N	10	50	15	30	N	N	20	70
617	300	1.5	N	N	15	50	10	30	N	N	20	30
615	300	1.5	N	N	10	50	10	30	N	N	15	30
614	300	1.5	N	N	15	50	7	20	N	N	20	10
569	300	2.0	N	N	15	50	15	50	N	N	30	30
570	150	1.5	N	N	10	30	15	30	N	N	15	30
568	300	3.0	N	N	15	50	30	50	N	N	20	50
JAF577	--	5.0	N	N	--	50	7	--	N	--	70	20
JAF587	--	<5.0	N	N	--	50	20	--	N	--	30	20
ADA067	300	--	--	--	20	70	70	--	N	--	50	30
ADA068	500	--	--	--	15	50	30	--	N	--	50	20
ADA069	300	--	--	--	20	70	20	--	N	--	30	<10
AC2924	500	--	--	--	10	15	20	--	N	--	10	50
ADA406	500	--	--	--	15	30	30	--	N	--	15	30
ADA407	500	--	--	--	7	30	15	--	N	--	10	30
ADA408	700	--	--	--	15	50	30	--	N	--	15	30
322	300	<1.0	N	N	10	50	15	30	N	<10	20	15
323	150	<1.0	N	N	7	70	15	20	N	<10	20	10
334	300	<1.0	N	N	10	100	20	50	N	N	20	15
CH190	70	<1.0	<10	<20	<5	<10	<5	<50	<5.0	--	7	10
337	300	N	N	N	<5	30	30	20	N	N	15	10
338	300	1.0	N	N	7	70	20	30	N	<10	15	10
339	700	1.5	N	N	10	70	50	30	N	<10	30	100
299	200	<1.0	N	N	5	30	10	30	N	N	15	30
552	300	1.0	N	N	10	150	15	30	N	<10	30	15
553	500	1.0	N	N	10	100	30	50	N	<10	30	15

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
348	N	7	N	N	30	N	15	N	100	--	.06
345	N	10	N	N	50	N	20	N	100	--	.02
346	N		N	150	20	N	15	N	100	--	<.02
BMU31	N	7	N		30	N	20	N	200	--	--
044	N	7	N	N	30	N	30	N	200	--	.04
597	N	7	N	N	50	N	30	N	150	N	.04
043	N	7	N	N	30	N	20	N	300	--	.07
038	N	5	N	N	30	N	10	N	150	--	.04
041	N	7	N	N	30	N	20	N	200	--	.05
042	N	7	N	N	30	N	50	N	200	--	.04
661	N	7	N	N	70	N	30	N	500	N	.04
662	N	5	N	N	70	N	20	N	200	--	.06
663	N	5	N	N	70	N	20	N	200	N	.04
664	N	10	N	N	70	N	50	N	700	--	.06
269	N	15	N	N	70	N	30	N	200	--	.06
263	N	10	N	N	70	N	30	N	200	--	.07
265	N	15	N	N	70	N	30	N	300	--	.08
268	N	15	N	N	70	N	20	N	150	--	.09
276	N	15	N	N	70	N	30	N	200	--	.05
342	N	10	N	N	50	N	30	N	200	--	.03
341	N	15	N	N	70	N	30	N	200	--	.03
619	N	15	N	N	100	N	30	N	200	N	.08
620	N	15	N	N	100	N	30	N	150	N	.08
621	N	15	N	N	150	N	30	N	150	--	.20
618	N	15	N	N	100	N	30	N	200	--	.35
617	N	15	N	N	100	N	70	N	200	N	.07
615	N	15	N	N	100	N	30	N	200	N	.19
614	N	15	N	N	100	N	30	N	200	N	.04
569	N	15	N	N	100	N	30	N	150	N	.04
570	N	15	N	N	70	N	30	N	100	N	.06
568	N	15	N	N	70	N	30	N	150	N	.04
JAF577	N	--	N	--	70	N	--	N	--	--	.06
JAF587	N	--	N	--	70	N	--	N	--	--	.04
ADA067	--	--	N	--	70	--	50	N	--	--	--
ADA068	--	--	N	--	70	--	30	N	--	--	--
ADA069	--	--	N	--	70	--	20	N	--	--	--
ACZ924	--	--	N	--	70	--	15	N	--	--	--
ADA406	--	--	N	--	70	--	20	N	--	--	--
ADA407	--	--	N	--	70	--	20	N	--	--	--
ADA408	--	--	N	--	70	--	50	N	--	--	--
322	N	7	N	N	30	N	15	N	70	N	.04
323	N	7	N	N	30	N	10	N	30	N	.02
334	N	7	N	<100	30	N	15	N	50	--	.02
CH190	<100	<5	<10	100	10	<50	30	<200	<10	--	--
337	N	5	N	N	30	N	15	N	150	--	.04
338	N	7	N	N	30	N	20	N	150	--	<.02
339	N	10	N	N	70	N	30	N	200	--	.04
299	N	5	N	<100	20	N	10	N	100	--	.02
552	N	10	N	N	50	N	20	N	70	N	.02
553	N	10	N	N	30	N	15	N	70	N	<.02

Choteau seds---continued

sample	latitude	longitude	MAP_NO.	S-FEX	S-MGX	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
554	47 22 11	112 53 3	480	3.0	1.50	1.50	.200	500	N	N	N	70
555	47 22 41	112 53 30	480	1.5	.70	.10	.150	150	N	N	N	30
556	47 22 41	112 53 25	480	5.0	1.50	2.00	.300	300	N	N	N	70
557	47 22 52	112 53 21	480	3.0	.70	.30	.200	300	N	N	N	70
644	47 22 35	112 56 57	481	3.0	1.00	.30	.300	300	N	N	N	70
642	47 22 52	112 57 17	482	3.0	1.50	.30	.300	300	N	N	N	100
643	47 22 53	112 57 0	482	2.0	1.00	.20	.200	200	N	N	N	70
645	47 22 22	112 57 10	482	3.0	1.50	.30	.300	300	N	N	N	70
646	47 22 35	112 57 43	482	2.0	1.00	.30	.300	200	N	N	N	150
BM352	47 22 33	112 57 23	482	1.5	.70	.10	.200	300	N	N	N	50
352	47 22 43	112 58 17	483	1.5	.70	.10	.200	300	N	N	N	50
CH201	47 22 57	113 1 20	484	1.5	.50	.15	.150	300	<.5	<200	--	70
598	47 22 48	113 2 11	485	1.5	.70	.15	.150	150	N	N	N	70
028	47 22 27	113 3 5	486	1.0	.70	.30	.150	150	N	N	N	30
599	47 22 45	113 4 4	487	2.0	.70	.70	.200	150	N	N	N	70
036	47 22 21	113 7 1	488	2.0	1.00	.10	.300	300	N	N	N	70
037	47 22 4	113 7 45	488	1.5	1.50	.05	.300	300	N	N	N	70
665	47 22 15	113 11 39	489	2.0	1.00	.15	.200	200	N	N	N	100
666	47 22 32	113 12 10	490	2.0	.70	.20	.200	150	N	N	N	100
270	47 22 3	113 14 3	491	2.0	.70	.07	.500	300	N	N	N	70
340	47 22 19	113 14 59	491	1.5	1.00	.07	.200	150	N	N	N	70
262	47 22 22	113 15 5	492	2.0	.70	.05	.500	300	N	N	N	70
271	47 22 35	113 15 4	492	1.5	.70	.05	.500	150	N	N	N	50
264	47 22 3	113 16 19	493	2.0	1.50	.05	.500	300	N	N	N	70
275	47 22 42	113 16 53	493	1.5	1.00	.07	.500	150	N	N	N	70
274	47 22 37	113 18 21	494	2.0	1.00	.05	.500	200	N	N	N	70
339	47 22 26	113 18 54	494	1.5	.70	.05	.200	150	N	N	N	50
623	47 22 10	113 18 59	494	3.0	1.50	.15	.300	500	N	N	N	100
624	47 22 11	113 18 31	494	3.0	1.50	.15	.300	300	N	N	N	150
622	47 22 7	113 19 20	495	3.0	3.00	.50	.300	500	N	N	N	100
277	47 22 43	113 20 9	496	2.0	1.00	.05	.500	200	N	N	N	70
571	47 22 47	113 32 26	497	3.0	3.00	.70	.300	500	N	N	N	100
JAF588	47 22 10	113 45 55	498	5.0	--	.30	--	1,000	N	N	N	--
ACZ111	47 22 52	113 47 55	499	--	--	--	--	700	N	--	--	--
ADA066	47 22 6	113 47 7	499	--	--	--	--	700	N	--	--	--
ADA064	47 22 5	113 48 10	500	--	--	--	--	1,500	N	--	--	--
ADA065	47 22 5	113 48 10	500	--	--	--	--	700	N	--	--	--
ADA471	47 22 47	113 48 29	500	--	--	--	--	500	N	--	--	--
ADA472	47 22 46	113 48 7	500	--	--	--	--	300	N	--	--	--
ADA099	47 22 51	113 50 57	501	--	--	--	--	300	N	--	--	--
ACZ913	47 22 53	113 51 26	502	--	--	--	--	500	N	--	--	--
ACZ914	47 22 57	113 51 0	502	--	--	--	--	1,500	N	--	--	--
ADA093	47 22 42	113 51 43	502	--	--	--	--	300	N	--	--	--
ADA094	47 22 34	113 51 38	502	--	--	--	--	700	N	--	--	--
ADA095	47 22 26	113 51 14	502	--	--	--	--	300	N	--	--	--
ADA097	47 22 24	113 51 0	502	--	--	--	--	200	N	--	--	--
AMS875	47 23 24	112 36 30	503	--	--	--	--	500	N	--	--	--
AMS877	47 23 48	112 44 30	504	--	--	--	--	200	N	--	--	--
324	47 23 19	112 47 41	505	2.0	2.00	3.00	.150	300	N	N	N	150
325	47 23 15	112 47 44	505	3.0	5.00	7.00	.070	150	N	N	N	70

sample	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
554	300	1.0	N	N	10	100	30	50	N	<10	30	15
555	700	1.0	N	N	5	20	7	30	N	N	7	10
556	500	1.0	N	N	7	100	20	50	N	N	30	15
557	500	<1.0	N	N	7	70	20	50	N	N	20	15
644	500	2.0	N	N	10	30	5	50	N	N	20	10
642	700	3.0	N	N	5	30	30	50	N	N	15	20
643	700	2.0	N	N	5	20	15	50	N	N	10	20
645	1,000	2.0	N	N	7	30	30	50	N	N	20	20
646	300	2.0	N	N	5	30	30	20	N	N	15	15
BM352	500	1.0	N	N	15	15	15	50	N	<10	15	15
352	500	1.0	N	N	15	15	15	50	N	<10	15	15
CH201	500	1.0	<10	<20	<5	30	15	50	<5.0	--	15	10
598	300	1.5	N	N	5	30	70	20	N	N	7	N
028	300	1.0	N	N	5	10	70	20	N	<10	10	10
599	200	1.5	N	N	5	30	20	20	N	N	7	N
036	500	1.0	N	N	15	50	20	30	N	N	30	10
037	700	1.0	N	N	7	20	30	20	N	N	10	<10
665	700	2.0	N	N	5	30	20	20	N	N	10	10
666	300	1.0	N	N	<5	30	20	20	N	N	10	15
270	500	1.0	N	N	20	50	15	50	N	10	20	30
340	500	1.0	N	N	15	30	7	30	N	<10	20	10
262	300	1.0	N	N	15	50	70	30	N	10	20	20
271	300	1.0	N	N	7	30	10	30	N	<10	15	15
264	300	1.0	N	N	15	50	20	30	N	10	20	20
275	200	1.0	N	N	10	50	30	30	N	15	15	15
274	200	1.0	N	N	15	30	150	30	N	<10	20	15
339	300	<1.0	N	N	10	70	10	50	N	<10	20	10
623	300	2.0	N	N	10	70	10	30	N	N	20	50
624	300	1.5	N	N	10	50	7	20	N	N	20	50
622	300	2.0	N	N	15	70	15	30	N	N	20	30
277	300	1.0	N	N	15	50	70	50	N	<10	20	15
571	300	2.0	N	N	15	50	50	30	N	N	20	50
JAF588	--	N	N	N	--	50	20	--	N	--	30	30
AC2111	300	--	--	--	15	50	30	--	5.0	--	20	50
ADA066	300	--	--	--	10	50	50	--	N	--	30	30
ADA064	300	--	--	--	15	30	20	--	N	--	30	30
ADA065	300	--	--	--	10	20	15	--	N	--	20	20
ADA471	300	--	--	--	5	30	15	--	N	--	15	15
ADA472	500	--	--	--	15	70	150	--	N	--	50	50
ADA099	300	--	--	--	7	30	50	--	N	--	5	70
AC2913	300	--	--	--	15	70	20	--	N	--	30	<10
AC2914	500	--	--	--	N	10	30	--	N	--	N	70
ADA093	200	--	--	--	<5	10	20	--	N	--	N	70
ADA094	300	--	--	--	7	15	70	--	N	--	7	50
ADA095	150	--	--	--	7	7	15	--	N	--	7	30
ADA097	300	--	--	--	5	30	30	--	N	--	5	70
AMS875	500	--	--	--	10	70	20	--	N	--	30	15
AMS877	200	--	--	--	5	50	5	--	N	--	10	20
324	300	1.0	N	N	10	50	15	--	N	<10	20	20
325	150	<1.0	N	N	N	30	15	<20	N	N	15	30

Choteau seds--continued

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
554	N	10	N	N	30	N	15	N	70	--	.02
555	N	7	N	N	20	N	20	N	100	--	.02
556	N	10	N	N	50	N	20	N	100	--	<.02
557	N	10	N	N	30	N	20	N	150	--	.02
644	N	10	N	N	70	N	50	N	300	--	<.02
642	N	15	N	N	70	N	50	N	300	N	.02
643	N	5	N	N	70	N	30	N	200	--	.02
645	N	15	N	N	70	N	50	N	300	N	<.02
646	N	5	N	N	50	N	20	N	300	N	.04
BM352	N	10	N	N	50	N	30	N	150	--	--
352	N	10	N	N	50	N	30	N	150	--	--
CH201	N	7	N	N	30	<50	30	<200	150	--	--
598	N	5	N	N	30	N	20	N	150	N	.05
028	N	5	N	N	20	N	20	N	150	--	.04
599	N	7	N	N	70	N	30	N	300	N	.05
036	N	7	N	N	30	N	20	N	300	--	.04
037	N	7	N	N	30	N	15	N	200	--	.05
665	N	5	N	N	70	N	50	N	500	N	.04
666	N	5	N	N	70	N	20	N	500	N	.02
270	N	15	N	N	70	N	20	N	150	--	.09
340	N	10	N	N	70	N	30	N	150	--	.03
262	N	15	N	N	70	N	30	N	300	--	.06
271	N	10	N	N	50	N	20	N	300	--	.05
264	N	10	N	N	70	N	30	N	300	--	.10
275	N	10	N	N	70	N	70	N	150	--	.03
274	N	10	N	N	50	N	30	N	200	--	.10
339	N	10	N	N	50	N	30	N	150	--	.02
623	N	15	N	N	100	N	30	N	150	N	.16
624	N	15	N	N	100	N	30	N	150	N	.08
622	N	15	N	N	150	N	30	N	150	N	.12
277	N	15	N	N	70	N	30	N	200	--	.05
571	N	15	N	N	100	N	30	N	150	N	.07
JAF588	N	--	N	N	70	N	--	N	--	--	.02
AC2111	--	--	N	N	70	--	50	N	--	--	--
ADA066	--	--	N	N	50	--	100	N	--	--	--
ADA064	--	--	N	N	70	--	20	N	--	--	--
ADA065	--	--	N	N	70	--	20	N	--	--	--
ADA471	--	--	N	N	50	--	15	N	--	--	--
ADA472	--	--	N	N	70	--	20	N	--	--	--
ADA099	--	--	N	N	70	--	15	N	--	--	--
AC2913	--	--	N	N	70	--	30	N	--	--	--
AC2914	--	--	N	N	30	--	15	N	--	--	--
ADA093	--	--	N	N	20	--	15	N	--	--	--
ADA094	--	--	N	N	70	--	15	N	--	--	--
ADA095	--	--	N	N	70	--	15	N	--	--	--
ADA097	--	--	N	N	70	--	15	N	--	--	--
AMS875	--	--	N	N	100	--	20	N	--	--	--
AMS877	--	--	N	N	30	--	N	N	--	--	--
324	N	7	N	N	50	N	15	N	70	--	.04
325	N	5	N	N	15	N	10	N	50	N	.02

sample	latitude	longitude	MAP_NO.	S-FEX	S-MGZ	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
612	47 23 24	112 48 38	506	3.0	3.00	7.00	.150	300	N	N	N	100
613	47 23 28	112 48 46	506	2.0	.70	1.50	.150	150	N	N	N	70
CH188	47 23 12	112 49 49	507	3.0	.70	10.00	.100	1,000	<.5	<200	--	20
CH189	47 23 21	112 49 45	507	1.0	1.00	20.00	.070	150	<.5	<200	--	15
614	47 23 14	112 49 16	507	2.0	1.00	7.00	.150	300	N	N	N	50
615	47 23 20	112 49 16	507	2.0	5.00	7.00	.150	300	N	N	N	70
350	47 23 40	112 50 39	508	1.5	3.00	7.00	.100	300	N	N	N	50
355	47 23 42	112 50 31	508	1.5	2.00	5.00	.100	200	N	N	N	50
558	47 23 8	112 53 31	509	3.0	.70	.30	.200	200	N	N	N	50
559	47 23 32	112 53 24	509	3.0	1.00	.30	.300	300	N	N	N	50
560	47 23 52	112 53 16	509	3.0	1.00	1.00	.300	300	N	N	N	70
351	47 23 2	112 59 56	510	1.5	.50	.10	.200	150	N	N	N	50
BM351	47 23 15	112 59 52	510	1.5	.50	.10	.200	150	N	N	N	50
CH200	47 23 6	113 1 28	511	1.0	.70	.15	.150	150	<.5	<200	--	50
641	47 23 39	113 1 19	511	2.0	1.00	.20	.200	150	N	N	N	50
Q34	47 23 26	113 4 38	512	1.5	1.00	.70	.200	150	N	N	N	50
CH203	47 23 46	113 4 50	512	1.0	.20	2.00	.200	2,000	<.5	<200	--	50
Q35	47 23 0	113 5 3	513	1.5	1.50	3.00	.200	200	N	N	N	50
606	47 23 39	113 12 31	514	3.0	.70	.10	.200	200	N	N	N	100
607	47 23 27	113 12 19	514	3.0	.70	.20	.200	200	N	N	N	100
260	47 23 28	113 13 55	515	3.0	1.00	.07	.500	300	N	N	N	70
261	47 23 5	113 13 11	515	1.5	.70	.05	.300	200	N	N	N	70
667	47 23 5	113 13 13	515	2.0	1.00	.20	.300	200	N	N	N	100
273	47 23 28	113 16 57	516	1.5	1.00	.07	.300	300	N	N	N	70
572	47 23 13	113 32 31	517	3.0	3.00	5.00	.150	300	N	N	N	70
573	47 23 35	113 33 4	518	2.0	3.00	5.00	.150	300	N	N	N	70
AC2110	47 23 10	113 48 45	519	--	--	--	--	700	N	--	--	--
AC2108	47 23 38	113 49 58	520	--	--	--	--	700	N	--	--	--
AC2109	47 23 30	113 49 12	520	--	--	--	--	700	N	--	--	--
ADA439	47 23 37	113 49 42	520	--	--	--	--	300	N	--	--	--
ADA440	47 23 26	113 49 23	520	--	--	--	--	700	N	--	--	--
ADA438	47 23 47	113 50 8	521	--	--	--	--	300	N	--	--	--
AC2911	47 23 22	113 51 51	522	--	--	--	--	700	N	--	--	--
AC2909	47 23 44	113 52 6	523	--	--	--	--	700	N	--	--	--
AC2910	47 23 48	113 52 3	523	--	--	--	--	1,000	N	--	--	--
AMS876	47 24 42	112 42 18	524	--	--	--	--	500	N	--	--	--
611	47 24 16	112 49 23	525	3.0	1.50	7.00	.200	300	N	N	N	70
349	47 24 0	112 50 55	526	2.0	1.50	2.00	.200	200	N	N	N	50
353	47 24 26	112 50 54	526	1.0	1.00	1.00	.100	150	N	N	N	50
354	47 24 21	112 50 50	526	1.5	2.00	5.00	.150	150	N	N	N	50
351	47 24 24	112 51 41	527	2.0	.70	.20	.150	150	N	N	N	70
352	47 24 29	112 51 38	527	2.0	1.50	.70	.150	300	N	N	N	70
561	47 24 17	112 53 20	528	2.0	.70	.30	.300	300	N	N	N	50
562	47 24 13	112 53 11	528	3.0	1.50	1.00	.300	300	N	N	N	70
563	47 24 33	112 53 1	528	.7	.50	.07	.100	150	N	N	N	70
599	47 24 7	112 54 51	529	3.0	1.00	1.50	.300	300	N	N	N	70
600	47 24 1	112 54 45	529	5.0	.70	.50	.200	300	N	N	N	100
601	47 24 7	112 54 37	529	1.5	.50	.70	.200	300	N	N	N	50
602	47 24 2	112 54 32	529	3.0	.70	1.00	.300	300	N	N	N	50
603	47 24 5	112 54 18	529	3.0	.70	.70	.200	300	N	N	N	50

Chateau seds--continued

sample	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
612	700	N	N	N	10	50	30	30	N	<10	20	15
613	300	1.0	N	N	<5	20	30	30	N	N	15	15
CH188	700	1.0	<10	<20	<5	20	10	50	<5.0	--	10	15
CH189	50	<1.0	<10	<20	<5	15	<5	<50	<5.0	--	7	10
614	300	<1.0	N	N	<5	30	20	50	N	N	15	10
615	300	N	N	N	<5	20	20	<20	N	N	15	15
350	300	<1.0	N	N	<5	20	7	30	N	N	10	15
355	200	<1.0	N	N	5	20	7	20	N	N	10	10
558	300	1.0	N	N	7	50	15	50	N	<10	15	15
559	300	1.0	N	N	7	50	30	50	N	N	15	10
560	500	<1.0	N	N	5	30	30	30	N	N	15	15
351	500	1.0	N	N	10	15	10	30	N	<10	15	15
BW351	500	1.0	N	N	10	15	10	30	N	<10	15	15
CH200	500	1.0	<10	<20	<5	30	10	50	N	<10	15	15
641	700	1.5	N	N	5	20	10	30	<5.0	--	15	15
034	200	<1.0	N	N	7	15	15	30	N	N	10	10
CH203	500	1.0	<10	<20	<5	20	15	50	<5.0	--	15	15
035	300	<1.0	N	N	5	15	70	30	N	N	10	10
606	150	1.5	N	N	7	50	15	30	N	N	15	N
607	300	1.5	N	N	10	30	10	50	N	N	15	10
260	300	1.0	N	N	15	30	15	30	N	10	30	10
261	500	<1.0	N	N	10	30	20	20	N	<10	15	10
667	700	2.0	N	N	5	30	100	50	N	10	10	20
273	300	1.0	N	N	10	30	30	30	N	N	15	15
572	200	2.0	N	N	10	30	20	30	N	N	20	30
573	200	2.0	N	N	10	30	20	30	N	N	15	50
AC2110	200	--	--	--	N	<10	20	--	N	--	N	70
AC2108	300	--	--	--	20	70	30	--	N	--	30	50
AC2109	300	--	--	--	15	50	30	--	N	--	15	50
ADA439	200	--	--	--	5	50	50	--	N	--	10	30
ADA440	300	--	--	--	20	70	30	--	N	--	50	30
ADA438	300	--	--	--	15	70	70	--	N	--	30	15
AC2911	300	--	--	--	15	70	50	--	N	--	20	70
AC2909	500	--	--	--	15	50	30	--	N	--	15	70
AC2910	500	--	--	--	5	20	100	--	N	--	7	50
AMS876	500	--	--	--	15	70	30	--	N	--	30	20
611	300	N	N	N	10	70	30	30	N	<10	30	10
349	700	<1.0	N	N	<5	30	15	20	N	N	10	10
353	300	<1.0	N	N	5	20	15	20	N	<10	7	10
354	300	1.0	N	N	5	20	30	30	N	<10	10	15
351	700	1.0	N	N	<5	30	15	20	N	N	15	15
352	500	1.0	N	N	5	30	15	30	N	N	15	15
561	700	1.0	N	N	5	30	15	30	N	N	10	15
562	500	1.0	N	N	7	50	20	50	N	<10	15	15
563	500	<1.0	N	N	<5	20	30	20	N	N	5	10
599	500	<1.0	N	N	7	70	20	50	N	<10	30	10
600	300	1.0	N	N	10	100	20	50	N	<10	50	10
601	300	<1.0	N	N	5	50	50	50	N	<10	15	10
602	500	<1.0	N	N	7	70	30	50	N	<10	20	10
603	300	<1.0	N	N	7	70	20	30	N	<10	20	10

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
612	N	7	N	N	30	N	15	N	30	--	<.02
613	N	7	N	N	30	N	20	N	150	--	<.02
CH188	<100	7	<10	100	30	<50	30	<200	100	--	--
CH189	<100	5	<10	100	15	<50	10	<200	20	--	--
614	N	5	N	N	30	N	10	N	100	--	.04
615	N	<5	N	N	20	N	<10	N	30	--	.02
350	N	5	N	N	20	N	15	N	100	N	<.02
355	N	5	N	N	30	N	15	N	150	--	.02
558	N	7	N	N	30	N	20	N	100	N	.02
559	N	7	N	N	30	N	15	N	100	--	.04
560	N	7	N	N	20	N	20	N	150	--	.02
351	N	7	N	N	30	N	20	N	150	--	N
BM351	N	7	N	N	30	N	20	N	150	--	--
CH200	<100	10	<10	<100	50	<50	20	<200	200	--	--
641	N	5	N	N	50	N	15	N	200	--	<.02
034	N	7	N	N	30	N	15	N	150	--	.04
CH203	<100	7	<10	<100	50	<50	20	<200	150	--	--
035	N	5	N	N	20	N	20	N	150	--	.03
606	N	15	N	N	70	N	30	N	200	N	.08
607	N	15	N	N	70	N	30	N	200	N	.10
260	N	15	N	N	70	N	30	N	300	--	.08
261	N	7	N	N	50	N	20	N	150	--	.06
667	N	5	N	N	70	N	50	N	700	N	.04
273	N	10	N	N	50	N	30	N	200	--	.04
572	N	15	N	N	70	N	30	N	70	N	.07
573	N	10	N	N	70	N	30	N	100	N	.07
AC2110	--	--	N	--	20	--	20	N	--	--	--
AC2108	--	--	N	--	70	--	30	N	--	--	--
AC2109	--	--	N	--	70	--	30	N	--	--	--
ADA439	--	--	N	--	70	--	20	N	--	--	--
ADA440	--	--	N	--	70	--	30	N	--	--	--
ADA438	--	--	N	--	70	--	30	N	--	--	--
AC2911	--	--	N	--	70	--	30	N	--	--	--
AC2909	--	--	N	--	70	--	20	N	--	--	--
AC2910	--	--	N	--	50	--	20	N	--	--	--
AMS876	--	--	N	--	150	--	10	N	--	--	--
611	N	7	N	<100	50	N	15	N	70	--	.04
349	N	5	N	N	20	N	15	N	150	N	<.02
353	N	5	N	N	20	N	15	N	300	N	.06
354	N	5	N	N	30	N	20	N	300	N	.08
351	N	7	N	N	30	N	20	N	200	--	.04
352	N	7	N	N	30	N	20	N	150	--	<.02
561	N	7	N	N	30	N	15	N	300	--	.02
562	N	7	N	N	30	N	20	N	150	--	.02
563	N	5	N	N	15	N	15	N	300	--	.06
599	N	10	N	N	50	N	20	N	100	--	<.02
600	N	10	N	N	70	N	30	N	100	--	.04
601	N	5	N	N	30	N	20	N	200	N	<.02
602	N	10	N	N	50	N	20	N	150	--	.04
603	N	7	N	N	50	N	15	N	200	--	.02

Choteau seds--continued

sample	latitude	longitude	MAP_NO.	S-FEZ	S-MGZ	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
604	47 24 8	112 54 24	529	2.0	.70	.30	.300	200	N	N	N	50
649	47 24 59	112 54 40	529	1.5	.70	2.00	.150	200	N	N	N	50
595	47 24 12	112 55 30	530	5.0	1.50	2.00	.200	300	N	N	N	70
596	47 24 7	112 55 29	530	5.0	1.00	1.00	.200	300	N	N	N	70
597	47 24 4	112 55 19	530	1.5	.50	.15	.300	200	N	N	N	50
598	47 24 7	112 55 9	530	2.0	.70	.15	.300	200	N	N	N	50
350	47 24 48	113 0 45	531	1.5	.50	.07	.200	150	N	N	N	50
BM350	47 24 42	113 0 48	531	1.5	.50	.07	.200	150	N	N	N	50
CH199	47 24 0	113 5 49	532	1.5	.70	1.00	.200	200	<.5	<200	--	70
600	47 24 33	113 6 26	533	2.0	.70	.70	.200	150	N	N	N	70
601	47 24 28	113 6 38	533	2.0	1.00	1.00	.200	150	N	N	N	70
259	47 24 16	113 11 46	534	2.0	1.50	.15	.500	500	N	N	N	70
709	47 24 51	113 20 17	535	3.0	3.00	.30	.500	300	N	N	N	150
706	47 24 55	113 22 10	536	5.0	1.50	.20	.500	150	N	N	N	70
574	47 24 9	113 33 14	537	3.0	3.00	2.00	.300	500	N	N	N	70
ADA027	47 24 31	113 47 29	538	--	--	--	--	700	N	--	--	--
ADA028	47 24 22	113 47 48	538	--	--	--	--	500	N	--	--	--
ADA053	47 24 2	113 47 56	538	--	--	--	--	300	N	--	--	--
ADA029	47 24 14	113 48 18	539	--	--	--	--	700	N	--	--	--
ADA149	47 24 48	113 49 24	540	--	--	--	--	500	N	--	--	--
ADA150	47 24 48	113 49 24	540	--	--	--	--	500	N	--	--	--
ADA450	47 24 48	113 49 26	540	--	--	--	--	300	N	--	--	--
ADA436	47 24 13	113 50 58	541	--	--	--	--	300	N	--	--	--
ADA437	47 24 10	113 50 56	541	--	--	--	--	700	N	--	--	--
ACZ098	47 24 58	113 51 56	542	--	--	--	--	700	N	--	--	--
ACZ104	47 24 45	113 51 36	542	--	--	--	--	200	N	--	--	--
ACZ105	47 24 38	113 51 20	542	--	--	--	--	1,500	N	--	--	--
ACZ106	47 24 30	113 51 13	542	--	--	--	--	700	N	--	--	--
ADA434	47 24 21	113 51 44	542	--	--	--	--	500	N	--	--	--
ACZ099	47 24 53	113 52 4	543	--	--	--	--	700	N	--	--	--
ACZ100	47 24 48	113 52 14	543	--	--	--	--	700	N	--	--	--
ADA426	47 24 59	113 52 54	543	--	--	--	--	1,000	N	--	--	--
ADA427	47 24 56	113 52 56	543	--	--	--	--	700	N	--	--	--
ADA428	47 24 55	113 52 51	543	--	--	--	--	700	N	--	--	--
ADA429	47 24 49	113 52 42	543	--	--	--	--	100	N	--	--	--
ADA430	47 24 44	113 52 33	543	--	--	--	--	700	N	--	--	--
ADA432	47 24 22	113 52 7	543	--	--	--	--	500	N	--	--	--
AMS873	47 25 15	112 33 6	544	--	--	--	--	500	N	--	--	--
AMS874	47 25 18	112 37 48	545	--	--	--	--	300	N	--	--	--
AMS872	47 25 36	112 47 48	546	--	--	--	--	2,000	N	--	--	--
650	47 25 8	112 50 31	547	2.0	.50	.20	.200	100	N	N	N	50
651	47 25 1	112 50 41	547	2.0	2.00	3.00	.200	150	N	N	N	50
652	47 25 27	112 50 55	547	5.0	1.00	.70	.200	300	N	N	N	70
653	47 25 18	112 50 54	547	1.0	1.50	3.00	.150	150	N	N	N	50
573	47 25 49	112 51 25	548	1.5	.70	.70	.200	150	N	N	N	50
574	47 25 47	112 51 38	548	5.0	2.00	7.00	.500	300	N	N	N	30
575	47 25 38	112 51 24	548	3.0	3.00	5.00	.300	200	N	N	N	70
CH187	47 25 54	112 53 19	549	.5	.05	1.00	.070	500	<.5	<200	--	10
564	47 25 2	112 53 35	549	1.0	.70	.10	.150	150	N	N	N	50
565	47 25 4	112 53 27	549	1.5	.70	.20	.300	150	N	N	N	20

sample	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
604	300	N	N	N	7	50	20	20	N	<10	15	N
649	300	<1.0	N	N	<5	10	10	30	N	N	10	N
595	500	1.0	N	N	10	100	15	30	N	<10	50	15
596	300	<1.0	N	N	10	100	20	100	N	<10	50	20
597	300	1.0	N	N	<5	30	30	150	N	N	<5	<10
598	300	<1.0	N	N	5	50	10	20	N	<10	7	N
350	500	1.0	N	N	10	20	7	20	N	<10	15	15
HM350	500	1.0	N	N	10	20	7	20	N	<10	15	15
CH199	300	<1.0	<10	<20	<5	20	20	50	<5.0	--	15	15
600	200	1.5	N	N	5	30	70	30	N	N	10	10
601	200	1.5	N	N	5	30	15	30	N	N	7	N
259	300	1.0	N	N	15	30	50	50	N	<10	20	10
709	300	2.0	N	N	10	50	30	50	N	N	20	10
706	200	1.0	N	N	5	30	20	20	N	N	15	N
574	200	2.0	N	N	10	70	50	30	N	N	20	50
ADA027	300	--	--	--	10	30	30	--	N	--	15	20
ADA028	300	--	--	--	15	70	150	--	N	--	50	<10
ADA053	700	--	--	--	15	50	30	--	N	--	30	30
ADA029	300	--	--	--	15	30	20	--	N	--	20	30
ADA149	300	--	--	--	20	50	100	--	N	--	50	20
ADA150	300	--	--	--	20	30	30	--	N	--	50	15
ACA450	300	--	--	--	15	70	20	--	N	--	50	30
ADA436	300	--	--	--	15	50	30	--	N	--	30	30
ADA437	300	--	--	--	15	70	70	--	N	--	30	70
AC2098	300	--	--	--	15	50	30	--	N	--	15	50
AC2104	300	--	--	--	15	70	30	--	N	--	30	10
AC2105	300	--	--	--	<5	15	30	--	N	--	N	30
AC2106	500	--	--	--	15	70	30	--	N	--	20	50
ADA434	300	--	--	--	<5	20	20	--	N	--	N	50
AC2099	300	--	--	--	15	50	30	--	N	--	20	50
AC2100	300	--	--	--	15	50	20	--	N	--	30	70
ADA426	200	--	--	--	20	50	30	--	N	--	30	70
ADA427	300	--	--	--	15	70	20	--	N	--	30	70
ADA428	300	--	--	--	15	70	15	--	N	--	30	70
ADA429	300	--	--	--	15	70	30	--	N	--	30	30
ADA430	300	--	--	--	15	30	30	--	N	--	20	50
ADA432	500	--	--	--	15	30	50	--	N	--	20	70
AMS873	1,500	--	--	--	20	70	50	--	N	--	50	50
AMS874	700	--	--	--	20	50	50	--	N	--	30	20
AMS872	200	--	--	--	15	30	70	--	N	--	7	70
650	500	<1.0	N	N	5	30	5	20	N	<10	15	10
651	300	<1.0	N	N	5	30	10	20	N	N	15	10
652	300	1.0	N	N	10	100	20	30	N	N	50	10
653	300	<1.0	N	N	5	20	15	20	N	N	10	<10
573	500	<1.0	N	N	<5	20	50	20	N	<10	10	15
574	300	N	N	N	7	50	10	50	N	<10	10	15
575	500	N	N	N	7	20	20	30	N	<10	10	15
CH187	100	1.0	<10	<20	5	<10	7	50	<5.0	--	<5	<10
564	700	<1.0	N	N	<5	15	10	30	N	N	7	10
565	500	1.0	N	N	5	20	10	30	N	N	7	10

Choteau seds--continued

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
604	N	7	N	N	50	N	20	N	300	--	<.02
649	N	5	N	N	20	N	15	N	100	N	.05
595	N	10	N	<100	50	N	20	N	70	--	.02
596	N	10	N	<100	50	N	20	N	200	--	.02
597	N	7	N	N	30	N	30	N	1,000	--	.02
598	N	10	N	N	50	N	20	N	500	--	<.02
350	N	7	N	N	50	N	30	N	150	--	N
BM350	N	7	N	N	50	N	30	N	150	--	--
CH199	<100	10	<10	<100	50	<50	20	<200	200	--	--
600	N	10	N	N	30	N	30	N	150	N	.06
601	N	10	N	N	70	N	30	N	300	N	.05
259	N	10	N	N	50	N	30	N	200	--	.07
709	N	20	N	N	70	N	50	N	300	N	.04
706	N	5	N	N	70	N	20	N	700	N	.06
574	N	15	N	N	100	N	30	N	150	N	.08
ADA027	--	--	N	--	70	--	30	N	--	--	--
ADA028	--	--	<10	--	70	--	30	N	--	--	--
ADA053	--	--	--	--	70	--	50	N	--	--	--
ADA029	--	--	N	--	70	--	30	N	--	--	--
ADA149	--	--	N	--	70	--	15	N	--	--	--
ADA150	--	--	N	--	70	--	20	N	--	--	--
ADA450	--	--	N	--	70	--	20	N	--	--	--
ADA436	--	--	N	--	70	--	15	N	--	--	--
ADA437	--	--	N	--	70	--	30	N	--	--	--
AC2098	--	--	N	--	70	--	50	N	--	--	--
AC2104	--	--	N	--	70	--	50	N	--	--	--
AC2105	--	--	N	--	30	--	30	N	--	--	--
AC2106	--	--	N	--	70	--	15	N	--	--	--
ADA434	--	--	N	--	30	--	20	N	--	--	--
AC2099	--	--	N	--	70	--	30	N	--	--	--
AC2100	--	--	N	--	70	--	30	N	--	--	--
ADA426	--	--	N	--	70	--	30	N	--	--	--
ADA427	--	--	N	--	70	--	30	N	--	--	--
ADA428	--	--	N	--	70	--	30	N	--	--	--
ADA429	--	--	N	--	70	--	70	N	--	--	--
ADA430	--	--	N	--	70	--	30	N	--	--	--
ADA432	--	--	N	--	70	--	30	N	--	--	--
AMS873	--	--	N	--	300	--	20	N	--	--	--
AMS874	--	--	N	--	100	--	15	N	--	--	--
AMS872	--	--	N	--	300	--	15	200	--	--	--
650	N	5	N	N	20	N	10	N	200	.06	.02
651	N	7	N	N	30	N	15	N	300	.06	<.02
652	N	10	N	N	30	N	15	N	70	.06	<.02
653	N	5	N	N	20	N	10	N	150	.06	<.02
573	N	<5	N	N	20	N	10	N	150	N	.02
574	N	5	N	N	150	N	15	N	200	--	.02
575	N	5	N	N	50	N	15	N	150	--	.02
CH187	<100	<5	<10	<100	<10	<50	<10	<200	70	--	--
564	N	7	N	N	15	N	15	N	100	N	.02
565	N	7	N	N	30	N	15	N	500	N	.02

sample	latitude	longitude	MAP_NO.	S-FEX	S-MG%	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
566	47 25 22	112 53 51	549	1.5	1.00	5.00	.150	150	N	N	N	70
605	47 25 20	112 53 44	549	2.0	1.00	1.00	.200	200	N	N	N	50
606	47 25 41	112 54 13	550	1.0	.70	1.00	.150	150	N	N	N	50
607	47 25 41	112 54 2	550	1.5	.70	.70	.200	200	N	N	N	50
CH205	47 25 49	113 3 5	551	1.0	.70	.20	.200	200	<.5	<200	--	50
045	47 25 36	113 4 33	552	1.5	1.50	1.00	.200	200	N	N	N	70
046	47 25 48	113 4 19	552	1.5	1.00	.70	.150	200	N	N	N	50
CH204	47 25 19	113 4 48	552	1.5	1.00	1.00	.200	300	<.5	<200	--	70
048	47 25 49	113 5 50	553	2.0	1.50	.20	.300	500	N	N	N	100
056	47 25 26	113 7 48	554	1.5	1.00	1.00	.150	100	N	N	N	20
347	47 25 18	113 7 16	554	1.5	1.00	.20	.150	300	N	N	N	50
348	47 25 30	113 7 16	554	2.0	1.00	.70	.300	200	N	N	N	70
343	47 25 29	113 10 55	555	1.5	1.00	.30	.200	200	N	N	N	50
708	47 25 6	113 20 21	556	5.0	1.50	.30	.700	300	N	N	N	150
707	47 25 10	113 21 18	557	5.0	1.50	.30	.500	300	N	N	N	150
704	47 25 27	113 23 56	558	5.0	2.00	.50	.500	300	N	N	N	100
705	47 25 18	113 23 58	558	5.0	1.50	.30	.500	300	N	N	N	150
701	47 25 31	113 26 22	559	3.0	2.00	.30	.500	300	N	N	N	150
702	47 25 29	113 26 5	559	3.0	2.00	.30	.500	300	N	N	N	150
699	47 25 53	113 27 44	560	3.0	2.00	.30	.300	300	N	N	N	70
700	47 25 43	113 27 43	560	3.0	2.00	.50	.500	300	N	N	N	150
695	47 25 44	113 30 17	561	3.0	1.50	.70	.700	2,000	N	N	N	150
575	47 25 4	113 33 38	562	3.0	3.00	2.00	.200	700	N	N	N	70
594	47 25 47	113 35 19	563	3.0	2.00	1.00	1,000	700	N	N	N	70
ADA015	47 25 58	113 48 28	564	--	--	--	--	500	N	--	--	--
AUA016	47 25 32	113 48 7	564	--	--	--	--	700	N	--	--	--
ADA446	47 25 30	113 48 27	564	--	--	--	--	700	N	--	--	--
ADA447	47 25 23	113 48 25	564	--	--	--	--	500	N	--	--	--
ADA448	47 25 15	113 49 3	565	--	--	--	--	500	N	--	--	--
ADA449	47 25 8	113 49 15	565	--	--	--	--	500	N	--	--	--
AC2097	47 25 9	113 51 56	566	--	--	--	--	1,500	<.5	--	--	--
AC2094	47 25 43	113 52 24	567	--	--	--	--	1,000	N	--	--	--
AUA425	47 25 18	113 52 55	567	--	--	--	--	700	N	--	--	--
516	47 26 38	112 47 36	568	3.0	3.00	2.00	.300	500	N	N	N	100
1413	47 26 18	112 48 17	569	2.0	3.00	5.00	.200	300	N	N	N	70
1414	47 26 57	112 49 11	570	3.0	1.50	3.00	.200	500	N	N	N	70
576	47 26 26	112 51 41	571	2.0	.70	.70	.100	200	N	N	N	100
577	47 26 43	112 51 58	571	2.0	2.00	7.00	.300	200	N	N	N	50
CH186	47 26 55	112 54 43	572	.5	.50	>20.00	.070	50	<.5	<200	--	20
608	47 26 47	112 54 38	572	1.5	.70	.70	.200	200	N	N	N	50
609	47 26 55	112 54 31	572	2.0	10.00	15.00	.100	200	N	N	N	70
CH185	47 26 56	112 55 3	573	1.0	1.00	.70	.200	150	<.5	<200	--	30
610	47 26 56	112 55 3	573	2.0	.70	.50	.200	150	N	N	N	50
619	47 26 29	112 55 41	573	2.0	1.00	.15	.200	200	N	N	N	70
620	47 26 31	112 55 47	573	2.0	1.00	.10	.150	200	N	N	N	50
621	47 26 54	112 55 28	573	2.0	1.00	.15	.200	150	N	N	N	70
618	47 26 20	112 56 19	574	2.0	1.00	.15	.150	200	N	N	N	50
616	47 26 11	112 57 18	575	2.0	1.00	2.00	.150	200	N	N	N	70
617	47 26 21	112 57 17	575	2.0	1.00	.20	.150	200	N	N	N	50
CH206	47 26 30	113 2 18	576	1.0	.70	.15	.150	200	<.5	<200	--	50

Chateau seds---continued

sample	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
566	700	1.0	N	N	<5	15	10	20	N	N	10	10
605	300	<1.0	N	N	5	50	50	30	N	N	15	10
606	300	N	N	N	N	15	30	N	N	N	7	N
607	300	N	N	N	7	30	20	20	N	N	15	N
CH205	700	1.0	<10	<20	<5	20	7	50	<5.0	--	10	10
045	500	1.0	N	N	10	20	20	30	N	<10	20	15
046	300	1.0	N	N	7	20	70	30	N	<10	15	10
CH204	300	1.0	<10	<20	<5	20	10	50	<5.0	--	15	10
048	700	1.0	N	N	10	70	30	50	N	<10	20	15
056	300	<1.0	N	N	7	15	50	30	N	<10	10	10
347	300	<1.0	N	N	10	15	7	30	N	<10	15	10
348	500	1.0	N	N	15	30	7	30	N	<10	20	15
343	300	<1.0	N	N	10	30	10	30	N	<10	20	10
708	300	2.0	N	N	15	50	20	50	N	N	30	15
707	500	3.0	N	N	10	30	30	50	N	N	20	10
704	700	2.0	N	N	10	30	30	30	N	N	15	10
705	500	2.0	N	N	7	30	20	30	N	N	15	10
701	300	2.0	N	N	15	50	15	50	N	N	30	30
702	300	2.0	N	N	15	70	30	50	N	N	30	30
699	300	2.0	N	N	10	30	30	30	N	N	20	30
700	300	2.0	N	N	15	50	30	50	N	N	30	30
695	1,000	3.0	N	N	20	50	50	70	N	N	20	50
575	200	2.0	N	N	10	70	30	30	N	N	30	50
594	300	1.5	N	N	20	50	20	20	N	N	30	30
ADA015	300	--	--	--	15	70	100	--	N	--	30	70
ADA016	300	--	--	--	15	70	20	--	N	--	30	70
ADA446	500	--	--	--	15	70	70	--	N	--	50	30
ADA447	500	--	--	--	15	70	30	--	N	--	30	50
ADA448	300	--	--	--	20	70	20	--	N	--	50	70
ADA449	300	--	--	--	15	70	50	--	N	--	30	30
AC2097	500	--	--	--	30	70	100	--	N	--	50	50
AC2094	300	--	--	--	15	70	30	--	N	--	30	70
ADA425	300	--	--	--	15	70	20	--	N	--	50	50
516	300	<1.0	N	N	10	50	15	50	N	<10	15	15
1413	300	1.5	N	N	<5	30	15	20	N	N	20	20
1414	300	2.0	N	N	5	50	20	20	N	N	20	15
576	300	1.0	N	N	7	30	30	70	N	<10	15	15
577	300	<1.0	N	N	<5	10	30	20	N	<10	<5	10
CH186	70	1.0	<10	<20	<5	30	<5	<20	<5.0	--	7	<10
608	300	N	N	N	5	20	7	20	N	N	15	N
609	150	N	N	N	5	50	20	N	N	N	15	15
CH185	3,000	1.0	<10	<20	<5	50	7	50	<5.0	--	7	10
610	200	<1.0	N	N	5	15	30	30	N	<10	15	<10
619	300	1.0	N	N	7	50	20	20	N	N	15	15
620	700	1.0	N	N	7	150	20	100	N	N	10	10
621	300	1.0	N	N	7	50	30	50	N	N	15	<10
618	500	1.0	N	N	7	30	30	30	N	N	10	10
616	500	1.0	N	N	7	30	30	30	N	N	15	10
617	700	1.0	N	N	5	30	15	30	N	N	10	<10
CH206	500	1.0	<10	<20	<5	20	50	50	<5.0	--	10	10

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
566	N	5	N	N	20	N	30	N	100	--	.04
605	N	5	N	N	30	N	20	N	200	--	<.02
606	N	5	N	N	20	N	15	N	200	N	<.02
607	N	5	N	N	30	N	15	N	150	N	.02
CH205	<100	5	<10	<100	30	<50	20	<200	300	--	--
045	N	7	N	N	30	N	30	N	200	--	.04
046	N	7	N	N	30	N	20	N	150	--	.04
CH204	<100	10	<10	<100	50	<50	30	<200	200	--	--
048	N	10	N	N	30	N	30	N	150	--	.03
056	N	5	N	N	20	N	15	N	200	--	.04
347	N	5	N	N	30	N	20	N	150	--	.02
348	N	10	N	N	70	N	30	N	200	--	.02
343	N	10	N	N	30	N	20	N	200	--	.02
708	N	15	N	N	70	N	70	N	700	N	.08
707	N	15	N	N	70	N	70	N	300	N	N
704	N	7	N	N	70	N	50	N	500	--	.04
705	N	10	N	N	70	N	70	N	500	N	.04
701	N	15	N	N	70	N	50	N	200	--	.08
702	N	15	N	N	70	N	50	N	300	N	.02
699	N	10	N	N	70	N	20	N	300	--	.26
700	N	15	N	N	70	N	50	N	300	N	.06
695	N	30	N	N	100	N	100	N	500	N	.30
575	N	10	N	N	70	N	30	N	150	N	.10
594	N	15	N	N	200	N	30	N	150	N	.08
ADA015	--	--	N	--	70	--	30	N	--	--	--
ADA016	--	--	N	--	70	--	30	N	--	--	--
ADA446	--	--	N	--	70	--	15	N	--	--	--
ADA447	--	--	N	--	70	--	15	N	--	--	--
ADA448	--	--	N	--	70	--	20	N	--	--	--
ADA449	--	--	N	--	70	--	30	N	--	--	--
AC2097	--	--	N	--	70	--	30	N	--	--	--
AC2094	--	--	N	--	70	--	30	N	--	--	--
ADA425	--	--	15	--	70	--	30	N	--	--	--
516	N	7	N	N	70	N	20	N	200	--	.06
1413	N	7	N	200	70	N	15	N	100	N	.04
1414	N	7	N	200	100	N	20	N	150	N	.02
576	N	5	N	N	20	N	15	N	100	--	.02
577	N	5	N	N	30	N	10	N	100	N	<.02
CH186	<100	<5	<10	<100	30	<50	<10	<200	20	--	.04
608	N	7	N	N	30	N	50	N	150	--	.02
609	N	5	N	N	20	N	<10	N	20	N	.02
CH185	<100	10	10	100	50	<50	20	<200	300	--	--
610	N	7	N	N	30	N	20	N	150	--	.02
619	N	7	N	N	30	N	20	N	200	N	<.02
620	N	7	N	N	20	N	30	N	300	N	.02
621	N	5	N	N	30	N	20	N	150	--	.02
618	N	7	N	N	30	N	20	N	300	N	<.02
616	N	7	N	N	30	N	15	N	150	--	.02
617	N	5	N	N	20	N	70	N	150	N	<.02
CH206	<100	10	<10	<100	30	<50	20	<200	200	--	--

Choteau seds--continued

sample	latitude	longitude	MAP_NO.	S-FEX	S-MGX	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-R
349	47 26 46	113 3 43	577	1.5	2.00	7.00	.150	200	N	N	N	30
BM349	47 26 49	113 3 38	577	1.5	2.00	7.00	.150	200	N	N	N	30
047	47 26 25	113 5 26	578	2.0	1.50	.50	.300	700	N	N	N	100
051	47 26 54	113 6 59	579	1.5	1.00	.15	.300	200	N	N	N	50
602	47 26 10	113 8 48	580	1.5	1.00	1.50	.200	150	N	N	N	70
057	47 26 44	113 10 45	581	1.5	.70	1.50	.300	150	N	N	N	30
058	47 26 37	113 10 58	581	2.0	1.50	.70	.300	300	N	N	N	70
338	47 26 35	113 16 11	582	1.5	1.50	.07	.200	150	N	N	N	50
694	47 26 5	113 22 24	583	5.0	2.00	.50	.500	500	N	N	N	100
698	47 26 48	113 28 38	584	5.0	1.50	.30	.300	300	N	N	N	70
696	47 26 25	113 29 22	585	7.0	1.50	.50	.500	500	N	N	N	150
697	47 26 35	113 29 3	585	5.0	1.50	.50	.500	700	N	N	N	150
593	47 26 0	113 35 16	586	3.0	1.50	.70	1.000	700	N	N	N	70
AC2012	47 26 58	113 48 19	587	--	--	--	--	700	N	--	--	--
ADA464	47 26 48	113 50 33	588	--	--	--	--	700	N	--	--	--
ADA466	47 26 20	113 50 36	588	--	--	--	--	700	N	--	--	--
ADA467	47 26 16	113 50 36	588	--	--	--	--	300	N	--	--	--
ADA468	47 26 7	113 50 16	588	--	--	--	--	500	N	--	--	--
AC2084	47 26 11	113 53 6	589	--	--	--	--	700	N	--	--	--
1330	47 27 24	112 45 33	590	5.0	1.50	.50	.500	1,000	N	N	N	70
1298	47 27 43	112 50 16	591	2.0	1.50	5.00	.200	500	N	N	N	70
570	47 27 36	112 52 33	592	1.5	1.00	1.00	.150	200	N	N	N	50
571	47 27 36	112 52 23	592	3.0	2.00	7.00	.300	300	N	N	N	50
572	47 27 13	112 52 12	592	1.5	2.00	7.00	.150	200	N	N	N	70
632	47 27 37	112 55 14	593	2.0	1.50	1.00	.200	150	N	N	N	50
049	47 27 32	113 6 47	594	2.0	1.50	.15	.300	300	N	N	N	100
050	47 27 50	113 6 33	594	2.0	1.50	.30	.300	200	N	N	N	70
069	47 27 55	113 9 16	595	1.5	1.50	.70	.300	200	N	N	N	50
070	47 27 41	113 9 10	595	1.5	1.00	.70	.300	150	N	N	N	50
059	47 27 0	113 11 33	596	1.5	1.00	3.00	.200	200	N	N	N	50
603	47 27 8	113 11 26	596	2.0	.70	.70	.200	150	N	N	N	70
272	47 27 51	113 14 7	597	1.5	1.00	.30	.300	150	N	N	N	50
608	47 27 20	113 15 13	598	2.0	.70	.10	.200	150	N	N	N	100
595	47 27 18	113 33 4	599	2.0	2.00	.50	.300	500	N	N	N	100
596	47 27 22	113 34 41	600	3.0	3.00	1.50	.300	700	N	N	N	100
1324	47 28 35	112 50 58	601	3.0	1.50	3.00	.200	300	N	N	N	30
CH17	47 28 49	112 52 17	602	5.0	2.00	2.00	.300	500	<.5	<200	--	50
569	47 28 39	112 52 56	602	1.5	.70	.50	.150	200	N	N	N	70
578	47 28 9	112 52 31	602	3.0	1.50	5.00	.500	300	N	N	N	30
CH183	47 28 19	112 55 47	603	10.0	3.00	20.00	.150	2,000	<.5	<200	--	<10
622	47 28 0	112 55 26	603	2.0	1.00	1.00	.200	150	N	N	N	50
623	47 28 2	112 55 34	603	1.5	1.00	1.50	.150	300	N	N	N	50
624	47 28 14	112 55 36	603	3.0	1.50	1.00	.300	150	N	N	N	70
644	47 28 19	112 55 47	603	1.5	.70	1.00	.150	150	N	N	N	70
643	47 28 31	112 56 57	604	2.0	1.00	5.00	.200	300	N	N	N	100
640	47 28 33	112 57 31	605	2.0	1.00	1.00	.150	200	N	N	N	70
641	47 28 27	112 57 25	605	1.5	.70	.07	.150	150	N	N	N	70
642	47 28 26	112 57 3	605	2.0	.70	.70	.200	200	N	N	N	70
027	47 28 55	112 58 24	606	2.0	1.50	1.00	.200	300	N	N	N	70
BM027	47 28 56	112 58 11	606	2.0	1.50	1.00	.200	300	N	N	N	70

sample	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
349	300	<1.0	N	N	7	15	15	20	N	<10	10	15
BM349	300	<1.0	N	N	7	15	15	20	N	<10	10	15
047	300	1.0	N	N	15	30	30	30	N	<10	20	15
051	300	1.0	N	N	15	50	70	30	N	<10	20	10
602	300	1.5	N	N	5	30	50	30	N	N	7	N
057	300	<1.0	N	N	7	15	10	20	N	<10	10	<10
058	500	1.0	N	N	15	20	70	50	N	10	20	10
338	300	<1.0	N	N	15	50	15	30	N	<10	20	10
694	300	1.0	N	N	15	50	50	30	N	N	30	30
698	200	2.0	N	N	10	30	30	30	N	N	30	30
696	500	2.0	N	N	15	50	20	50	N	N	30	30
697	300	2.0	N	N	15	30	50	50	N	N	30	30
593	200	1.5	N	N	20	50	70	20	N	N	30	50
AC2012	300	--	--	--	15	50	70	--	N	--	20	50
ADA464	700	--	--	--	30	50	30	--	N	--	30	20
ADA466	700	--	--	--	10	20	30	--	N	--	15	30
ADA467	500	--	--	--	7	20	20	--	N	--	7	30
ADA468	500	--	--	--	20	70	20	--	N	--	50	30
AC2084	200	--	--	--	5	15	10	--	N	--	10	50
1330	500	2.0	N	N	10	100	50	30	N	N	50	10
1298	300	1.5	N	N	5	30	20	20	N	N	20	15
570	300	<1.0	N	N	7	30	15	50	N	<10	15	10
571	1,000	N	N	N	7	30	15	30	N	N	10	10
572	300	<1.0	N	N	5	20	15	20	N	N	10	15
632	300	<1.0	N	N	7	15	15	20	N	<10	15	<10
049	500	1.0	N	N	10	70	7	30	N	10	20	15
050	700	1.0	N	N	10	50	30	20	N	10	20	20
069	700	1.5	N	N	15	30	10	30	N	10	15	30
070	500	1.0	N	N	15	30	10	30	N	10	15	10
059	300	1.0	N	N	7	15	100	20	N	<10	15	<10
603	200	1.5	N	N	10	30	50	30	N	N	15	10
272	200	1.0	N	N	10	30	20	30	N	<10	15	15
608	300	1.5	N	N	10	30	30	30	N	N	10	10
595	300	1.5	N	N	15	50	20	30	N	N	15	70
596	300	2.0	N	N	15	50	20	30	N	N	15	70
1324	300	1.5	N	N	7	50	20	30	N	N	30	10
CH17	500	1.0	<10	<20	<5	70	50	<20	<5.0	--	20	20
569	700	<1.0	N	N	5	30	10	30	N	<10	15	10
578	300	N	N	N	7	10	30	30	N	N	10	10
CH183	70	1.0	<10	<20	10	<10	7	<20	5.0	--	20	<10
622	300	<1.0	N	N	7	70	15	30	N	N	15	<10
623	500	<1.0	N	N	5	30	30	<20	N	N	10	15
624	300	<1.0	N	N	7	30	7	20	N	N	15	<10
644	200	<1.0	N	N	7	10	10	20	N	N	15	10
643	200	<1.0	N	N	10	70	15	50	N	N	20	10
640	500	<1.0	N	N	7	70	30	50	N	N	15	10
641	1,500	<1.0	N	N	<5	15	30	30	N	N	10	<10
642	200	1.0	N	N	7	30	10	70	N	N	15	<10
027	500	1.0	N	N	15	50	15	30	N	N	10	10
BM027	500	1.0	N	N	15	50	15	30	N	N	10	10

Choteau seds--continued

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
349	N	7	N	<100	30	N	30	N	150	--	N
BM349	N	7	N	<100	30	N	30	N	150	--	--
047	N	10	N	N	30	N	20	N	150	--	.08
051	N	10	N	N	50	N	20	N	200	--	.04
602	N	5	N	N	70	N	30	N	150	N	.06
057	N	7	N	N	30	N	20	N	150	--	.03
058	N	10	N	N	50	N	30	N	200	--	.05
338	N	15	N	N	50	N	30	N	200	--	.02
694	N	15	N	N	70	N	30	N	200	N	.16
698	N	5	N	N	70	N	20	N	200	--	.04
696	N	20	N	N	70	N	70	N	300	--	.06
697	N	20	N	N	70	N	70	N	500	N	.06
593	N	15	N	N	200	N	30	N	150	N	.13
AC2012	--	--	N	--	70	--	30	N	--	--	--
ADA464	--	--	N	--	70	--	30	N	--	--	--
ADA466	--	--	N	--	70	--	30	N	--	--	--
ADA467	--	--	N	--	50	--	20	N	--	--	--
ADA468	--	--	N	--	70	--	30	N	--	--	--
AC2084	--	--	N	--	70	--	20	N	--	--	--
1330	N	5	N	<100	150	N	20	N	150	N	.02
1298	N	7	N	200	100	N	20	N	150	N	.04
570	N	5	N	N	20	N	10	N	100	N	.02
571	N	5	N	N	100	N	15	N	100	--	<.02
572	N	<5	N	N	30	N	15	N	100	--	.02
632	N	5	N	N	30	N	15	N	150	N	.02
049	N	10	N	N	50	N	30	N	300	--	.04
050	N	10	N	N	50	N	70	N	200	--	.03
069	N	10	N	N	50	N	70	N	300	--	.04
070	N	10	N	N	50	N	30	N	200	--	.04
059	N	7	N	N	30	N	20	N	200	--	.04
603	N	10	N	N	70	N	30	N	200	N	.06
272	N	7	N	N	50	N	20	N	200	--	.03
608	N	10	N	N	70	N	30	N	150	N	.10
595	N	10	N	N	70	N	70	N	150	N	.31
596	N	15	N	N	70	N	30	N	150	N	.52
1324	N	10	N	150	100	N	20	N	150	N	.02
CH17	<100	5	<10	200	150	<50	15	<200	300	--	--
569	N	5	N	N	20	N	15	N	150	N	<.02
578	N	7	N	100	50	<50	100	<200	70	N	.04
CH183	<100	<5	<10	100	10	N	100	N	<10	--	--
622	N	5	N	N	30	N	20	N	200	N	<.02
623	N	<5	N	N	20	N	15	N	150	N	<.02
624	N	5	N	N	30	N	20	N	200	N	<.02
644	N	5	N	N	20	N	15	N	100	N	.04
643	N	10	N	N	50	N	15	N	50	1.00	.50
640	N	10	N	N	30	N	20	N	100	.08	.03
641	N	5	N	N	20	N	15	N	100	.08	.04
642	N	7	N	N	30	N	20	N	150	.08	.02
027	N	7	N	N	30	N	20	N	150	--	.07
BM027	N	7	N	N	30	N	20	N	150	--	--

sample	latitude	longitude	MAP_NO.	S-FEX	S-MGX	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
636	47 28 49	112 58 42	606	2.0	.70	.10	.150	150	N	N	N	50
637	47 28 57	112 58 47	606	2.0	.50	1.00	.150	200	N	N	N	70
639	47 28 53	112 58 24	606	2.0	.70	.30	.200	150	N	N	N	70
633	47 28 49	112 59 56	607	2.0	.30	1.00	.200	300	N	N	N	50
346	47 28 53	113 9 6	608	1.5	1.00	.70	.200	200	N	N	N	50
071	47 28 17	113 10 30	609	1.5	1.00	.20	.300	200	N	N	N	50
068	47 28 14	113 11 12	610	1.5	1.00	.70	.300	300	N	N	N	50
067	47 28 48	113 12 19	611	1.5	1.50	.70	.300	300	N	N	N	50
604	47 28 19	113 12 58	611	3.0	1.00	1.00	.200	150	N	N	N	70
060	47 28 31	113 13 32	612	1.5	.70	.30	.300	150	N	N	N	50
062	47 28 45	113 22 8	613	1.5	1.00	.07	.200	200	N	N	N	50
063	47 28 37	113 22 4	613	1.5	1.00	.10	.300	200	N	N	N	50
627	47 28 3	113 37 31	614	3.0	1.50	.70	.200	300	N	N	N	100
628	47 28 22	113 37 43	614	3.0	1.50	.50	.200	300	N	N	N	70
626	47 28 5	113 38 56	615	3.0	1.50	.50	.300	300	N	N	N	100
ADA129	47 28 46	113 51 34	616	--	--	--	--	300	N	--	--	--
ADA130	47 28 48	113 51 34	616	--	--	--	--	700	N	--	--	--
ADA131	47 28 48	113 51 29	616	--	--	--	--	700	N	--	--	--
ADA132	47 28 47	113 51 23	616	--	--	--	--	700	N	--	--	--
ADA133	47 28 52	113 51 16	616	--	--	--	--	700	N	--	--	--
ADA134	47 28 54	113 51 14	616	--	--	--	--	700	N	--	--	--
ACZ037	47 28 5	113 53 55	617	--	--	--	--	1,000	N	--	--	--
ACZ038	47 28 16	113 53 23	617	--	--	--	--	700	N	--	--	--
ACZ039	47 28 17	113 53 19	617	--	--	--	--	1,000	N	--	--	--
ACZ035	47 28 10	113 54 49	618	--	--	--	--	700	N	--	--	--
ACZ036	47 28 4	113 54 20	618	--	--	--	--	500	N	--	--	--
ADA079	47 28 3	113 54 27	618	--	--	--	--	1,000	N	--	--	--
ACZ030	47 28 4	113 55 18	619	--	--	--	--	1,500	N	--	--	--
ACZ032	47 28 4	113 55 10	619	--	--	--	--	700	N	--	--	--
ACZ034	47 28 13	113 55 7	619	--	--	--	--	1,500	N	--	--	--
ACZ059	47 28 53	113 55 31	619	--	--	--	--	300	N	--	--	--
ACZ060	47 28 57	113 55 36	619	--	--	--	--	1,500	N	--	--	--
1314	47 29 11	112 47 15	620	5.0	1.50	.70	.500	700	N	N	N	50
1315	47 29 24	112 47 12	620	5.0	1.50	2.00	.500	1,000	N	N	N	100
1316	47 29 36	112 47 38	620	2.0	1.00	1.50	.300	300	N	N	N	50
1317	47 29 45	112 47 38	620	3.0	1.50	1.50	.300	700	N	N	N	70
1318	47 29 52	112 47 52	620	3.0	.70	.50	.300	300	N	N	N	50
1319	47 29 44	112 48 30	621	3.0	1.00	2.00	.300	500	N	N	N	30
1320	47 29 49	112 48 42	621	3.0	2.00	3.00	.300	700	N	N	N	20
1321	47 29 30	112 48 42	621	3.0	1.50	3.00	.200	500	N	N	N	30
1323	47 29 7	112 49 55	622	3.0	1.50	5.00	.300	500	N	N	N	50
1322	47 29 2	112 50 15	623	3.0	1.50	3.00	.300	500	N	N	N	100
1341	47 29 48	112 50 41	623	5.0	1.50	2.00	.300	500	N	N	N	50
CH20	47 29 20	112 53 19	624	1.0	.70	5.00	.150	200	N	<200	--	50
1299	47 29 43	112 53 3	624	3.0	3.00	7.00	.200	500	N	<200	--	50
CH020	47 29 35	112 53 6	624	1.0	.70	5.00	.150	200	<.5	--	--	50
567	47 29 1	112 53 10	624	1.0	.70	.70	.150	150	N	N	N	50
568	47 29 0	112 53 5	624	3.0	1.50	5.00	.500	300	N	N	N	50
580	47 29 22	112 53 21	624	1.5	1.50	1.50	.200	200	N	N	N	70
581	47 29 19	112 53 14	624	3.0	1.50	3.00	.300	200	N	N	N	70

Choteau seds--continued

sample	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
636	300	1.0	N	N	5	20	7	30	N	N	10	N
637	500	<1.0	N	N	5	30	20	30	N	N	15	<10
639	700	<1.0	N	N	5	30	20	30	N	<10	15	<10
633	300	1.0	N	N	7	30	15	30	N	<10	20	10
346	500	1.0	N	N	10	20	7	20	N	<10	15	15
071	300	1.0	N	N	10	20	10	30	N	10	15	15
068	500	1.5	N	N	10	15	5	30	N	10	15	10
067	500	1.0	N	N	10	20	20	30	N	<10	15	10
604	200	1.5	N	N	10	30	5	30	N	N	15	N
060	300	1.5	N	N	15	15	7	30	N	10	20	<10
062	500	1.0	N	N	10	10	20	30	N	<10	15	<10
063	300	1.0	N	N	10	15	15	30	N	10	15	<10
627	300	1.5	N	N	10	30	20	30	N	N	20	70
628	300	1.5	N	N	15	30	50	30	N	N	30	50
626	300	1.5	N	N	15	30	50	30	N	N	30	50
ADA129	300	--	--	--	5	20	15	--	N	--	10	20
ADA130	300	--	--	--	70	50	70	--	N	--	50	30
ADA131	500	--	--	--	50	70	50	--	N	--	50	20
ADA132	300	--	--	--	30	30	70	--	N	--	50	20
ADA133	300	--	--	--	30	20	50	--	N	--	50	20
ADA134	300	--	--	--	30	15	30	--	N	--	50	15
ACZ037	500	--	--	--	15	20	20	--	N	--	15	50
ACZ038	300	--	--	--	15	50	50	--	N	--	30	70
ACZ039	300	--	--	--	15	30	30	--	N	--	20	100
ACZ035	500	--	--	--	15	30	30	--	N	--	20	50
ACZ036	150	--	--	--	N	15	20	--	N	--	N	20
ADA079	700	--	--	--	15	30	200	--	N	--	15	70
ACZ030	70	--	--	--	50	50	150	--	N	--	50	15
ACZ032	150	--	--	--	20	30	100	--	N	--	30	10
ACZ034	150	--	--	--	70	100	200	--	N	--	70	20
ACZ059	500	--	--	--	5	15	30	--	N	--	15	30
ACZ060	150	--	--	--	70	30	300	--	N	--	70	30
1314	700	1.5	N	N	7	70	30	30	N	N	30	15
1315	500	2.0	N	N	7	100	30	20	N	N	50	20
1316	300	2.0	N	N	5	50	15	20	N	N	20	10
1317	300	2.0	N	N	7	100	20	30	N	N	30	15
1318	500	2.0	N	N	7	70	30	30	N	N	30	10
1319	500	1.5	N	N	7	30	30	30	N	N	30	<10
1320	700	1.5	N	N	7	30	30	30	N	N	20	10
1321	300	2.0	N	N	5	70	30	30	N	N	30	10
1323	300	2.0	N	N	7	50	30	30	N	N	30	10
1322	500	1.5	N	N	7	70	20	20	N	N	30	15
1341	500	1.5	N	N	7	50	30	20	N	N	20	15
CH20	700	<1.0	<10	<20	N	20	20	<20	N	--	10	N
1299	300	1.0	N	N	5	50	30	20	N	N	30	20
CH020	700	<1.0	<10	<20	<10	20	20	<20	<5.0	--	10	<10
567	500	<1.0	N	N	<5	20	7	20	N	<10	10	<10
568	500	N	N	N	7	30	20	<20	N	N	15	10
580	1,000	1.0	N	N	5	15	20	20	N	<10	15	10
581	300	<1.0	N	N	7	10	15	20	N	<10	10	10

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
636	N	7	N	N	20	N	20	N	100	.10	.05
637	N	7	N	N	30	N	15	N	200	.06	.04
639	N	7	N	N	30	N	20	N	300	.10	.04
633	N	10	N	N	30	N	20	N	100	.08	.07
346	N	7	N	N	50	N	15	N	200	N	N
071	N	10	N	N	50	N	20	N	200	--	.04
068	N	7	N	N	50	N	20	N	150	--	.04
067	N	7	N	N	50	N	20	N	200	--	.04
604	N	15	N	N	70	N	30	N	150	N	.04
060	N	10	N	N	50	N	30	N	200	--	.06
062	N	7	N	N	30	N	20	N	200	--	.04
063	N	10	N	N	50	N	30	N	150	--	.02
627	N	15	N	N	70	N	20	N	100	N	.18
628	N	15	N	N	70	N	30	<200	150	N	.19
626	N	15	N	N	70	N	30	N	150	N	.09
ADA129	--	--	N	--	70	--	30	N	--	--	--
ADA130	--	--	N	--	200	--	30	N	--	--	--
ADA131	--	--	N	--	100	--	30	N	--	--	--
ADA132	--	--	N	--	150	--	50	N	--	--	--
ADA133	--	--	N	--	150	--	50	N	--	--	--
ADA134	--	--	N	--	150	--	30	N	--	--	--
ACZ037	--	--	N	--	70	--	20	N	--	--	--
ACZ038	--	--	N	--	70	--	30	N	--	--	--
ACZ039	--	--	N	--	70	--	30	N	--	--	--
ACZ035	--	--	N	--	50	--	30	N	--	--	--
ACZ036	--	--	N	--	30	--	15	N	--	--	--
ADA079	--	--	N	--	70	--	20	N	--	--	--
ACZ030	--	--	15	--	300	--	30	N	--	--	--
ACZ032	--	--	N	--	150	--	20	N	--	--	--
ACZ034	--	--	N	--	300	--	30	N	--	--	--
ACZ059	--	--	N	--	70	--	30	N	--	--	--
ACZ060	--	--	N	--	1,000	--	50	N	--	--	--
1314	N	15	N	200	150	N	20	N	150	N	.02
1315	N	15	N	150	150	N	30	N	300	N	.02
1316	N	10	N	200	100	N	20	N	150	N	.02
1317	N	15	N	150	100	N	30	N	150	N	.04
1318	N	15	N	150	150	N	20	N	150	N	.04
1319	N	15	N	150	150	N	20	N	150	N	.02
1320	N	10	N	300	100	N	20	N	150	N	.02
1321	N	10	N	100	100	N	20	N	150	N	.04
1323	N	10	N	200	100	N	20	N	150	N	<.02
1322	N	10	N	100	100	N	20	N	150	N	.02
1341	N	7	N	200	100	N	15	N	100	N	.04
CH20	<100	<5	N	50	50	<50	10	N	150	--	--
1299	N	7	N	150	100	N	20	N	100	N	.02
CH020	<100	<5	<10	50	50	<50	10	<200	150	--	<.02
567	N	<5	N	N	15	N	15	N	100	N	<.02
568	N	7	N	N	70	N	15	N	200	--	.04
580	N	5	N	N	20	N	15	N	150	--	.04
581	N	5	N	N	50	N	10	N	200	--	.02

Choteau seds--continued

sample	latitude	longitude	MAP_NO.	S-FEX	S-MGX	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
628	47 29 51	112 54 18	625	2.0	1.00	1.00	.200	150	N	N	N	50
629	47 29 51	112 54 18	625	1.5	1.00	1.00	.200	150	N	N	N	50
630	47 29 55	112 54 27	625	1.5	1.00	1.00	.200	200	N	N	N	70
625	47 29 9	112 55 42	626	2.0	1.00	.70	.150	300	N	N	N	100
626	47 29 3	112 55 37	626	2.0	1.00	1.00	.200	150	N	N	N	70
627	47 29 27	112 55 17	626	2.0	1.00	1.00	.200	200	N	N	N	100
LB648	47 29 24	112 58 41	627	2.0	.70	1.00	.200	200	N	N	N	100
638	47 29 4	112 58 22	627	2.0	.70	1.00	.200	300	N	N	N	100
648	47 29 24	112 58 41	627	2.0	.70	1.00	.200	200	N	N	N	100
LB647	47 29 0	113 0 13	628	2.0	.30	.50	.200	200	N	N	N	50
647	47 29 0	113 0 13	628	2.0	.30	.50	.200	200	N	N	N	50
625A	47 29 11	113 11 14	629	3.0	1.00	.30	.300	300	N	N	N	70
066	47 29 1	113 12 13	630	1.5	1.00	.50	.300	200	N	N	N	50
605	47 29 45	113 13 32	631	2.0	.70	1.00	.200	150	N	N	N	100
064	47 29 59	113 16 56	632	1.5	1.00	10.00	.200	500	N	N	N	30
065	47 29 31	113 17 31	633	3.0	1.00	3.00	.500	700	N	N	N	100
ADA135	47 29 29	113 50 59	634	---	---	---	---	700	<.5	---	---	---
AC2027	47 29 10	113 55 32	635	---	---	---	---	1,500	<.5	---	---	---
CH21	47 30 55	112 53 15	636	7.0	1.00	5.00	.200	700	<.5	700	---	50
CH022	47 30 22	112 53 34	636	1.5	.70	1.50	.200	100	<.5	<200	---	50
631	47 30 7	112 53 51	636	2.0	1.50	1.50	.300	150	N	N	N	50
660	47 30 48	112 53 52	636	2.0	1.50	3.00	.300	300	N	N	N	70
072	47 30 16	113 12 21	637	1.5	1.00	.20	.300	300	N	N	N	50
073	47 30 42	113 13 32	638	1.5	1.50	1.50	.500	300	N	N	N	70
076	47 30 43	113 15 55	639	1.5	1.00	.30	.200	300	N	N	N	30
612	47 30 40	113 15 30	639	2.0	1.50	1.00	.150	150	N	N	N	70
077	47 30 58	113 17 34	640	1.0	.70	15.00	.150	500	N	N	N	50
337	47 30 17	113 17 9	640	1.5	1.00	1.00	.150	150	N	N	N	70
336	47 30 45	113 20 58	641	2.0	1.50	.07	.200	150	N	N	N	100
100	47 30 50	113 30 40	642	2.0	1.50	.05	.500	500	N	N	N	100
629	47 30 8	113 37 20	643	2.0	2.00	1.50	.300	300	N	N	N	30
630	47 30 57	113 38 10	644	5.0	2.00	1.50	.700	500	N	N	N	---
ADA019	47 30 26	113 51 39	645	---	---	---	---	700	N	---	---	---
ADA025	47 30 25	113 51 19	645	---	---	---	---	1,500	N	---	---	---
ADA026	47 30 27	113 51 0	645	---	---	---	---	1,000	N	---	---	---
ADA022	47 30 17	113 52 20	646	---	---	---	---	700	N	---	---	---
ADA024	47 30 17	113 52 38	646	---	---	---	---	1,000	N	---	---	---
CH150	47 31 25	112 54 23	647	3.0	.70	1.00	.500	300	<.5	<200	---	30
CH150	47 31 24	112 54 31	647	3.0	.70	1.00	.500	300	<.5	<200	---	30
659	47 31 24	112 54 31	647	2.0	1.00	.70	.200	200	N	N	N	70
LB655	47 31 20	112 55 49	648	2.0	1.00	.50	.150	300	N	N	N	100
LB657	47 31 13	112 55 36	648	1.5	1.00	.70	.150	200	N	N	N	70
655	47 31 20	112 55 49	648	2.0	1.00	.50	.200	300	N	N	N	70
656	47 31 17	112 55 33	648	2.0	1.00	.50	.150	200	N	N	N	70
657	47 31 13	112 55 36	648	1.5	1.00	.50	.150	200	N	N	N	70
11	47 31 19	113 2 29	649	2.0	.50	.30	.150	200	N	N	N	50
53	47 31 26	113 3 52	650	2.0	.70	.15	.150	150	N	N	N	50
24	47 31 0	113 4 31	651	3.0	1.50	2.00	.200	300	N	N	N	50
52	47 31 26	113 4 12	651	3.0	1.50	1.50	.300	300	N	N	N	50
54	47 31 41	113 4 11	651	3.0	1.00	.30	.300	500	N	N	N	70

sample	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
628	300	1.0	N	N	7	30	20	70	N	N	15	<10
629	500	<1.0	N	N	5	20	20	30	N	N	10	N
630	500	<1.0	N	N	<5	15	15	20	N	N	10	<10
625	500	1.0	N	N	5	20	15	<20	N	N	15	<10
626	700	<1.0	N	N	5	30	5	50	N	N	15	<10
627	500	<1.0	N	N	5	50	10	30	N	N	15	10
LB648	300	<1.0	N	N	5	30	20	50	N	N	15	<10
638	300	<1.0	N	N	7	50	50	30	N	N	20	15
648	300	<1.0	N	N	5	30	20	50	N	N	15	<10
LB647	300	<1.0	N	N	5	30	30	30	N	N	20	<10
647	300	<1.0	N	N	5	30	30	30	N	N	20	30
625A	300	1.5	N	N	15	30	20	30	N	<10	15	10
066	500	1.0	N	N	10	20	20	30	N	N	10	N
605	150	1.5	N	N	10	30	10	30	N	N	10	<10
064	300	1.0	N	N	7	10	30	30	N	<10	10	20
065	500	1.0	N	N	20	70	15	50	N	<10	50	30
ADA135	300	--	--	--	30	20	50	--	N	--	70	10
ACZ027	100	--	--	--	100	50	300	--	<5.0	--	20	20
CH21	1,000	1.0	<10	<20	10	70	30	<20	<5.0	--	10	<10
CH022	500	1.0	<10	<20	<10	15	15	<20	N	--	10	<10
631	500	<1.0	N	N	5	20	20	<20	N	<10	10	15
660	500	N	N	N	5	20	30	<20	N	<10	10	15
072	500	1.0	N	N	15	30	20	30	N	10	20	30
073	700	1.5	N	N	15	30	70	30	N	10	20	30
076	300	1.0	N	N	7	30	50	30	N	<10	15	N
612	200	1.0	N	N	5	30	7	20	N	N	15	10
077	300	<1.0	N	N	<5	15	20	20	N	<10	10	15
337	300	1.0	N	N	10	20	15	30	N	<10	15	10
336	500	1.0	N	N	10	30	10	30	N	10	15	10
100	500	1.0	N	N	15	70	15	30	N	10	20	10
629	300	1.5	N	N	10	30	50	30	N	N	15	50
630	300	1.5	N	N	20	50	50	20	N	N	30	50
ADA019	300	--	--	--	15	30	50	--	N	--	30	70
ADA025	1,000	--	--	--	15	50	30	--	N	--	20	15
ADA026	500	--	--	--	10	20	30	--	N	--	20	20
ADA022	300	--	--	--	10	30	30	--	N	--	30	70
ADA024	300	--	--	--	15	30	30	--	N	--	<5	10
CH150	500	<1.0	<10	<20	<5	20	7	<20	<5.0	--	<5	10
CH150	500	1.0	<10	<20	<5	20	7	<20	<5.0	--	<5	10
659	300	<1.0	N	N	7	30	30	20	N	N	15	15
LB655	300	1.0	N	N	7	50	15	30	N	N	15	10
LB657	500	1.0	N	N	7	50	5	20	N	N	15	10
655	300	1.0	N	N	7	50	15	30	N	N	15	10
656	500	1.0	N	N	7	50	20	20	N	N	15	10
657	500	1.0	N	N	7	50	5	20	N	N	15	10
11	700	5.0	N	N	<5	30	15	20	N	N	15	10
53	700	1.0	N	N	<5	15	30	20	N	N	15	<10
24	300	<1.0	N	N	15	70	30	30	N	N	30	10
52	300	1.0	N	N	15	50	30	30	N	N	30	15
54	500	2.0	N	N	10	20	30	30	N	N	15	10

Chateau seds--continued

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
628	N	5	N	N	30	N	20	N	200	N	.02
629	N	<5	N	N	15	N	15	N	150	N	<.02
630	N	<5	N	N	20	N	10	N	150	N	.02
625	N	<5	N	N	30	N	10	N	300	--	<.02
626	N	<5	N	N	30	N	30	N	300	N	<.02
627	N	<5	N	N	30	N	15	N	200	N	.02
LB648	N	5	N	N	30	N	15	N	70	N	.04
638	N	7	N	N	50	N	15	N	100	.08	.07
648	N	5	N	N	30	N	15	N	70	N	.04
LB647	N	5	N	N	30	N	15	N	100	N	.04
647	N	5	N	N	30	N	15	N	100	N	.04
625A	N	15	N	N	100	N	30	N	150	N	.03
066	N	7	N	N	50	N	30	N	300	--	.05
605	N	10	N	N	70	N	30	N	200	N	.16
064	N	5	N	N	30	N	20	N	100	--	.04
065	N	15	N	N	70	N	20	N	100	--	.10
ADA135	--	--	N	--	10	--	50	N	--	--	--
AC2027	--	--	N	--	1,000	--	20	N	--	--	--
CH21	<100	10	<10	200	150	<50	10	<200	200	--	--
CH022	<100	<5	<10	50	20	<50	<10	<200	150	--	--
631	N	<5	N	N	20	N	30	N	150	N	<.02
660	N	7	N	N	50	N	10	N	100	.10	<.02
072	N	10	N	N	50	N	30	N	200	--	.03
073	N	15	N	N	30	N	30	N	200	--	.06
076	N	7	N	N	30	N	20	N	200	--	.04
612	N	7	N	N	70	N	30	N	150	N	N
077	N	5	N	N	15	N	15	N	70	--	.10
337	N	10	N	N	30	N	30	N	150	--	N
336	N	15	N	N	50	N	30	N	200	--	.03
100	N	15	N	N	70	N	30	N	200	--	.05
629	N	15	N	N	70	N	20	N	100	N	--
630	N	20	N	100	200	N	50	N	150	N	.02
ADA019	--	--	N	--	70	--	70	N	--	--	--
ADA025	--	--	N	--	50	--	50	N	--	--	--
ADA026	--	--	N	--	70	--	70	N	--	--	--
ADA022	--	--	N	--	70	--	30	N	--	--	--
ADA024	--	--	N	--	70	--	70	N	--	--	--
CH150	<100	5	<10	<100	100	<50	5	<200	300	--	--
CH150	<100	5	<10	<100	100	<50	<10	<200	300	--	--
659	N	7	N	N	50	N	20	N	200	.10	.02
LB655	N	7	N	N	30	N	15	N	100	.10	.04
LB657	N	7	N	N	30	N	15	N	100	.06	.02
655	N	7	N	N	30	N	15	N	100	.10	.04
656	N	7	N	N	50	N	20	N	200	.10	.06
657	N	7	N	N	30	N	15	N	100	.06	.02
11	N	7	N	N	30	N	20	N	150	N	.08
53	N	7	N	N	30	N	20	N	200	N	.08
24	N	10	N	N	50	N	20	N	100	N	.02
52	N	10	N	N	50	N	20	N	200	N	.04
54	N	10	N	N	100	N	30	N	200	N	.08

sample	latitude	longitude	MAP_NO.	S-FEX	S-MGX	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
074	47 31 18	113 13 46	652	1.5	1.00	.20	.300	150	N	N	N	70
611	47 31 53	113 17 53	653	2.0	2.00	2.00	.150	150	N	N	N	70
613	47 31 2	113 17 12	653	3.0	.70	1.50	.300	150	N	N	N	70
335	47 31 27	113 19 38	654	1.5	1.00	.50	.200	150	N	N	N	50
710	47 31 32	113 30 59	655	3.0	1.50	.30	.700	300	N	N	N	70
023	47 31 31	113 32 59	656	1.5	1.50	.20	.300	500	N	N	N	200
006	47 31 4	113 35 6	657	1.5	1.50	.30	.300	300	N	N	N	150
631	47 31 12	113 38 7	658	15.0	2.00	2.00	>1.000	700	N	N	N	20
ACZ062	47 31 41	113 50 50	659	--	--	--	--	500	N	--	--	--
ACZ063	47 31 53	113 50 54	659	--	--	--	--	700	N	--	--	--
ACZ064	47 31 52	113 50 54	659	--	--	--	--	700	N	--	--	--
ADA484	47 31 4	113 50 56	659	--	--	--	--	700	N	--	--	--
ADA483	47 31 2	113 51 31	660	--	--	--	--	1,000	N	--	--	--
ACZ076	47 31 40	113 53 54	661	--	--	--	--	1,500	N	--	--	--
ADA454	47 31 53	113 53 35	661	--	--	--	--	700	N	--	--	--
ACZ072	47 31 21	113 54 47	662	--	--	--	--	1,500	N	--	--	--
ACZ073	47 31 20	113 54 24	662	--	--	--	--	700	N	--	--	--
ACZ075	47 31 23	113 54 19	662	--	--	--	--	500	N	--	--	--
ADA405	47 31 55	113 54 42	662	--	--	--	--	500	N	--	--	--
ACZ069	47 31 15	113 55 12	663	--	--	--	--	1,000	N	--	--	--
ACZ070	47 31 22	113 55 12	663	--	--	--	--	700	N	--	--	--
1331	47 32 6	112 48 50	664	3.0	1.50	2.00	.300	700	N	N	N	50
1332	47 32 11	112 49 11	665	5.0	1.50	1.50	.300	700	N	N	N	70
1333	47 32 24	112 49 3	665	3.0	2.00	3.00	.300	500	N	N	N	50
1334	47 32 53	112 50 3	666	5.0	1.00	1.00	.300	700	N	N	N	50
1335	47 32 47	112 50 22	666	7.0	1.50	1.50	.500	700	N	N	N	50
177	47 32 52	112 54 58	667	2.0	1.50	2.00	.300	500	N	N	N	30
103	47 32 46	112 55 17	668	1.5	.70	.70	.150	200	N	N	N	30
419	47 32 9	112 58 54	669	2.0	1.00	.70	.300	300	N	N	N	100
422	47 32 59	113 0 1	670	1.5	.50	.15	.150	150	N	N	N	50
214	47 32 19	113 3 58	671	1.5	2.00	5.00	.300	300	N	N	N	50
075	47 32 6	113 14 18	672	1.5	1.00	1.50	.200	200	N	N	N	30
078	47 32 15	113 18 7	673	1.5	1.50	.70	.150	200	N	N	N	70
084	47 32 56	113 22 54	674	1.5	1.00	.10	.300	200	N	N	N	50
085	47 32 44	113 22 57	674	1.5	1.50	.07	.200	150	N	N	N	70
C98	47 32 8	113 31 41	675	2.0	1.50	.07	.300	500	N	N	N	100
711	47 32 6	113 31 24	675	3.0	3.00	.50	.700	500	N	N	N	100
712	47 32 9	113 31 40	675	5.0	3.00	.70	.700	700	N	N	N	150
713	47 32 42	113 31 27	675	2.0	1.00	.10	.200	150	N	N	N	70
022	47 32 51	113 33 1	676	2.0	2.00	.50	.300	500	N	N	N	150
C01	47 32 43	113 37 28	677	2.0	1.50	2.00	.500	500	N	N	N	20
ACZ065	47 32 9	113 50 59	678	--	--	--	--	500	N	--	--	--
ACZ066	47 32 17	113 50 41	678	--	--	--	--	700	N	--	--	--
ADA460	47 32 32	113 51 25	679	--	--	--	--	700	N	--	--	--
ADA451	47 32 14	113 52 16	680	--	--	--	--	500	N	--	--	--
ADA452	47 32 4	113 52 42	680	--	--	--	--	500	N	--	--	--
ADA459	47 32 15	113 53 50	681	--	--	--	--	700	N	--	--	--
ADA402	47 32 18	113 54 56	682	--	--	--	--	700	N	--	--	--
ADA403	47 32 7	113 54 48	682	--	--	--	--	500	N	--	--	--
ADA404	47 32 4	113 54 45	682	--	--	--	--	700	N	--	--	--

Chateau seds---continued

sample	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
074	500	1.0	N	N	15	50	15	50	N	15	20	10
611	200	1.5	N	N	5	30	7	20	N	N	15	15
613	150	1.0	N	N	5	30	7	20	N	N	10	N
335	500	1.0	N	N	10	30	15	30	N	<10	20	10
710	300	1.0	N	N	5	30	5	30	N	N	20	10
023	500	1.5	N	N	15	30	15	70	N	<10	30	30
006	300	1.0	N	N	10	20	15	30	N	<10	20	50
631	300	<1.0	N	N	30	70	100	20	N	N	50	20
AC2062	700	--	--	--	15	20	30	--	N	--	20	30
AC2063	700	--	--	--	15	30	200	--	N	--	30	50
AC2064	1,000	--	--	--	15	30	20	--	N	--	20	50
ADA484	700	--	--	--	15	70	30	--	N	--	30	30
ADA483	500	--	--	--	15	50	70	--	N	--	30	50
AC2076	200	--	--	--	5	30	70	--	N	--	7	50
ADA454	150	--	--	--	<5	15	20	--	N	--	<5	30
AC2072	500	--	--	--	15	30	20	--	N	--	20	70
AC2073	300	--	--	--	7	20	15	--	N	--	10	50
AC2075	700	--	--	--	15	50	30	--	N	--	20	70
ADA405	500	--	--	--	15	70	20	--	N	--	20	50
AC2069	300	--	--	--	15	30	30	--	N	--	15	70
AC2070	300	--	--	--	7	20	20	--	N	--	15	70
1331	300	1.5	N	N	7	50	20	50	N	N	20	10
1332	500	1.5	N	N	10	70	30	30	N	N	30	20
1333	300	1.0	N	N	7	70	30	30	N	N	20	10
1334	700	2.0	N	N	7	70	30	30	N	N	30	15
1335	700	2.0	N	N	10	70	70	50	N	N	50	20
177	700	<1.0	N	N	15	50	70	30	N	<10	30	20
103	300	1.0	N	N	10	15	70	20	N	N	10	10
419	700	1.5	N	N	10	30	70	30	N	N	15	15
422	500	1.0	N	N	<5	10	50	20	N	N	5	<10
214	300	<1.0	N	N	15	15	10	30	N	<10	15	15
075	500	1.0	N	N	10	30	15	50	N	<10	15	10
078	300	1.0	N	N	10	30	10	30	N	<10	15	<10
084	700	1.5	N	N	10	30	10	30	N	<10	15	10
085	300	1.0	N	N	10	50	5	30	N	10	15	<10
098	500	1.5	N	N	15	50	7	30	N	10	20	20
711	700	2.0	N	N	10	50	30	30	N	N	30	30
712	500	2.0	N	N	15	50	20	50	N	N	30	30
713	150	1.0	N	N	N	30	5	N	N	N	10	10
022	300	1.0	N	N	15	30	30	70	N	<10	30	50
001	300	<1.0	N	N	20	30	15	30	N	<10	30	30
AC2065	700	--	--	--	15	15	150	--	N	--	20	30
AC2066	700	--	--	--	15	30	20	--	N	--	30	30
ADA460	700	--	--	--	15	30	150	--	N	--	30	30
ADA451	700	--	--	--	15	30	20	--	N	--	20	30
ADA452	200	--	--	--	15	20	150	--	N	--	7	10
ADA459	200	--	--	--	N	<10	20	--	N	--	7	70
ADA402	500	--	--	--	7	20	20	--	N	--	30	70
ADA403	300	--	--	--	<5	30	20	--	N	--	7	30
ADA404	500	--	--	--	15	50	30	--	N	--	20	50

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
074	N	15	N	N	50	N	50	N	200	--	.07
611	N	5	N	N	70	N	20	N	150	N	.08
613	N	10	N	N	150	N	30	N	300	N	.02
335	N	10	N	N	30	N	30	N	150	--	.02
710	N	7	N	N	70	N	30	N	300	--	.08
023	N	10	N	N	100	N	20	N	300	--	--
006	N	7	N	N	50	N	20	N	200	--	--
631	N	50	N	100	2,000	N	30	N	150	N	.09
AC2062	--	--	N	--	70	--	15	N	--	--	--
AC2063	--	--	10	--	70	--	70	N	--	--	--
AC2064	--	--	N	--	70	--	30	N	--	--	--
ADA484	--	--	N	--	70	--	20	N	--	--	--
ADA483	--	--	N	--	70	--	70	N	--	--	--
AC2076	--	--	N	--	50	--	50	N	--	--	--
ADA454	--	--	N	--	30	--	15	N	--	--	--
AC2072	--	--	N	--	70	--	30	N	--	--	--
AC2073	--	--	N	--	50	--	20	N	--	--	--
AC2075	--	--	N	--	70	--	30	N	--	--	--
ADA405	--	--	N	--	70	--	50	N	--	--	--
AC2069	--	--	N	--	50	--	30	N	--	--	--
AC2070	--	--	N	--	70	--	30	N	--	--	--
1331	N	10	N	<100	100	N	20	N	1,000	N	.04
1332	N	15	N	100	100	N	20	N	150	N	.02
1333	N	10	N	100	100	N	15	N	100	N	.02
1334	N	10	N	200	100	N	20	N	150	N	<.02
1335	N	20	N	300	200	N	30	N	200	N	.02
177	N	10	N	<100	100	N	20	N	200	--	.04
103	N	5	N	N	50	N	15	N	150	N	.04
419	N	7	N	N	50	N	20	N	150	N	.04
422	N	<5	N	N	30	N	15	N	150	N	.05
214	N	7	N	N	30	N	30	N	150	--	.03
075	N	10	N	N	30	N	30	N	200	--	.04
078	N	10	N	N	30	N	30	N	200	--	.07
084	N	7	N	N	30	N	30	N	200	--	.04
085	N	10	N	N	30	N	30	N	150	--	.03
098	N	10	N	N	50	N	30	N	300	--	.04
711	N	10	N	N	100	N	50	N	200	N	.10
712	N	20	N	N	100	N	70	N	300	N	.14
713	N	5	N	N	70	N	10	N	100	N	.08
022	N	10	N	N	70	N	20	N	300	--	--
001	N	15	N	N	150	N	20	N	150	--	--
AC2065	--	--	N	--	70	--	20	N	--	--	--
AC2066	--	--	N	--	70	--	30	N	--	--	--
ADA460	--	--	N	--	70	--	30	N	--	--	--
ADA451	--	--	N	--	70	--	20	N	--	--	--
ADA452	--	--	N	--	50	--	15	N	--	--	--
ADA459	--	--	N	--	50	--	20	N	--	--	--
ADA402	--	--	N	--	70	--	20	N	--	--	--
ADA403	--	--	N	--	70	--	15	N	--	--	--
ADA404	--	--	N	--	70	--	30	N	--	--	--

Choteau seds---continued

sample	Latitude	Longitude	MAP_NO.	S-FEX	S-MGX	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
1336	47 33 22	112 50 12	683	5.0	1.00	1.00	.300	500	N	N	N	50
1337	47 33 29	112 50 44	683	5.0	1.00	1.50	.500	700	N	N	N	30
1338	47 33 49	112 50 26	683	5.0	1.00	1.00	.500	500	N	N	N	50
1339	47 33 58	112 50 7	683	3.0	3.00	7.00	.200	500	N	N	N	50
172	47 33 32	112 55 27	684	2.0	.70	.70	.200	150	N	N	N	50
238	47 33 33	112 55 8	684	2.0	1.00	1.00	.200	200	N	N	N	50
CH74	47 33 16	112 57 3	685	2.0	.70	2.00	.500	100	N	<200	--	15
167	47 33 9	112 57 12	685	2.0	1.00	.70	.200	200	N	N	N	50
CH75	47 33 4	112 58 27	686	2.0	1.50	1.50	.300	100	N	<200	--	15
CH76	47 33 11	112 58 34	686	2.0	2.00	1.50	.700	500	N	<200	--	50
8	47 33 20	113 0 42	687	3.0	1.00	.70	.300	300	N	N	N	70
421	47 33 7	113 0 42	687	1.5	.50	.70	.150	150	N	N	N	50
166	47 33 49	113 2 8	688	1.5	1.00	.70	.150	200	N	N	N	100
344	47 33 48	113 9 42	689	.5	.50	15.00	.030	100	N	N	N	10
609	47 33 1	113 17 53	690	2.0	1.50	1.50	.150	150	N	N	N	70
079	47 33 17	113 18 21	691	1.0	5.00	15.00	.100	200	N	N	N	50
610	47 33 54	113 18 15	691	3.0	2.00	2.00	.200	150	N	N	N	70
C82	47 33 43	113 20 59	692	2.0	.70	.30	.300	500	N	N	N	70
083	47 33 16	113 22 26	693	3.0	.70	.05	.300	500	N	N	N	70
097	47 33 20	113 30 58	694	1.5	2.00	.20	.200	300	N	N	N	70
714	47 33 16	113 30 40	694	3.0	1.50	.30	.300	200	N	N	N	100
715	47 33 28	113 31 54	695	3.0	3.00	.30	.300	300	N	N	N	100
716	47 33 54	113 32 36	696	3.0	3.00	.30	.300	300	N	N	N	150
009	47 33 23	113 36 25	697	1.5	1.50	1.50	.300	500	N	N	N	30
002	47 33 56	113 39 59	698	1.5	.70	.50	.500	500	N	N	N	20
003	47 33 19	113 39 8	698	2.0	.70	.70	.700	500	N	N	N	20
ADA100	47 33 41	113 51 58	699	--	--	--	--	300	N	--	--	--
ADA101	47 33 39	113 52 0	700	--	--	--	--	500	N	--	--	--
ADA102	47 33 36	113 52 10	700	--	--	--	--	150	N	--	--	--
ADA103	47 33 48	113 52 41	700	--	--	--	--	700	N	--	--	--
ADA104	47 33 34	113 52 57	700	--	--	--	--	50	N	--	--	--
ADA105	47 33 32	113 53 33	701	--	--	--	--	500	N	--	--	--
ADA106	47 33 33	113 54 8	702	--	--	--	--	700	N	--	--	--
ADA107	47 33 32	113 54 13	702	--	--	--	--	700	N	--	--	--
ADA108	47 33 21	113 54 22	702	--	--	--	--	1,000	N	--	--	--
482	47 34 42	112 44 43	703	2.0	3.00	7.00	.150	300	N	N	N	50
483	47 34 11	112 46 24	704	3.0	3.00	1.00	.200	500	N	N	N	70
1340	47 34 41	112 50 38	705	5.0	1.50	2.00	.300	700	N	N	N	50
375	47 34 18	112 54 49	706	2.0	1.00	.70	.200	200	N	N	N	50
424	47 34 19	112 54 32	706	3.0	.70	.70	.300	700	N	N	N	50
418	47 34 28	112 56 35	707	5.0	.70	.70	1,000	700	N	N	N	50
420	47 34 9	112 57 19	708	3.0	.50	.70	.700	500	N	N	N	30
134	47 34 18	113 3 1	709	1.0	.50	.70	.150	100	N	N	N	30
178	47 34 19	113 3 25	709	1.5	1.50	1.50	.200	300	N	N	N	70
179	47 34 5	113 3 34	709	1.5	1.00	.20	.300	300	N	N	N	50
163	47 34 48	113 4 19	710	2.0	.50	.10	.200	150	N	N	N	50
213	47 34 42	113 5 50	711	1.5	1.00	.07	.300	150	N	N	N	70
162	47 34 38	113 5 38	711	2.0	.70	.10	.200	150	N	N	N	70
160	47 34 44	113 6 54	712	3.0	1.00	.15	.300	300	N	N	N	100
161	47 34 52	113 6 3	712	2.0	.70	.10	.200	150	N	N	N	70

sample	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
1336	500	1.5	N	N	10	70	50	30	N	N	30	10
1337	700	2.0	N	N	7	30	30	30	N	N	20	10
1338	700	1.5	N	N	7	100	50	30	N	N	30	10
1339	300	1.5	N	N	5	70	30	30	N	N	20	10
172	700	1.0	N	N	7	<10	30	20	N	N	15	<10
238	500	1.0	N	N	10	15	30	30	N	N	15	10
CH74	700	<1.0	<10	<20	5	15	7	<20	N	--	10	15
167	500	1.0	N	N	10	15	30	20	N	N	15	<10
CH75	200	<1.0	<10	<20	5	20	5	20	N	--	15	15
CH76	1,000	1.0	<10	<20	5	30	7	50	<5.0	--	5	10
8	700	1.5	N	N	7	30	20	50	N	N	15	<10
421	700	1.0	N	N	5	10	70	20	N	N	5	15
166	500	1.5	N	N	7	20	20	20	N	N	15	<10
344	20	N	N	N	N	<5	<5	N	N	N	5	<10
609	150	1.5	N	N	5	30	7	30	N	N	7	10
079	100	<1.0	N	N	7	20	30	<20	N	N	10	10
610	300	1.5	N	N	5	50	7	N	N	N	15	10
082	500	1.0	N	N	15	50	20	30	N	10	20	<10
083	500	1.0	N	N	15	50	20	30	N	15	15	30
097	500	1.0	N	N	10	50	20	30	N	10	20	20
714	300	2.0	N	N	7	30	5	30	N	N	20	10
715	300	1.5	N	N	10	50	20	20	N	N	30	20
716	300	2.0	N	N	10	30	10	30	N	N	30	20
009	1,000	<1.0	N	N	15	30	15	30	N	<10	15	15
002	500	<1.0	N	N	10	20	50	50	N	<10	20	20
003	300	<1.0	N	N	20	30	30	30	N	<10	30	30
ADA100	300	--	--	--	10	30	10	--	N	--	7	15
ADA101	700	--	--	--	15	50	15	--	N	--	15	15
ADA102	300	--	--	--	5	20	15	--	N	--	5	15
ADA103	300	--	--	--	10	15	10	--	N	--	5	20
ADA104	300	--	--	--	<5	15	5	--	N	--	N	20
ADA105	500	--	--	--	15	50	15	--	N	--	20	15
ADA106	300	--	--	--	15	50	20	--	N	--	20	50
ADA107	500	--	--	--	15	50	30	--	N	--	30	50
ADA108	700	--	--	--	15	50	30	--	N	--	30	50
482	300	1.0	N	N	5	30	15	30	N	N	15	20
483	500	1.0	N	N	7	30	30	30	N	<10	15	20
1340	700	2.0	N	N	7	50	30	30	N	15	15	10
375	500	1.0	N	N	7	15	50	20	N	N	15	<10
424	500	1.0	N	N	15	100	30	<20	N	N	50	10
418	700	<1.0	N	N	15	30	100	<20	N	N	15	15
420	300	<1.0	N	N	10	<10	100	<20	N	N	7	10
134	200	<1.0	N	N	7	10	5	30	N	<10	10	<10
178	500	1.0	N	N	10	30	15	50	N	<10	10	15
179	300	1.0	N	N	10	50	70	30	N	<10	15	10
163	500	1.5	N	N	7	20	30	30	N	N	15	N
213	500	<1.0	N	N	15	30	10	30	N	<10	15	15
162	500	2.0	N	N	7	20	20	50	N	N	15	<10
160	700	2.0	N	N	10	20	30	30	N	N	15	10
161	500	1.5	N	N	7	30	70	30	N	N	15	<10

Choteau seds--continued

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
1336	N	15	N	200	150	N	20	N	150	N	.08
1337	N	10	N	300	150	N	20	N	200	N	.02
1338	N	10	N	200	150	N	20	N	150	N	.08
1339	N	7	N	100	100	N	20	N	70	N	.04
172	N	5	N	N	50	N	15	N	150	N	.11
238	N	7	N	N	70	N	15	N	200	N	.14
CH74	N	5	N	100	50	N	10	N	200	N	.10
167	<100	7	N	30	30	<50	20	N	200	N	.10
CH75	<100	<5	N	50	50	<50	<10	N	150	N	.07
CH76	<100	5	N	100	100	<50	10	<200	200	N	.05
8	N	7	N	150	150	N	20	N	300	N	.04
421	N	<5	N	30	30	N	15	N	200	N	.02
166	N	5	N	N	70	N	20	N	10	N	.07
364	N	N	N	150	10	N	N	N	70	N	.04
609	N	7	N	N	20	N	10	N	150	N	.07
079	N	5	N	<100	70	N	20	N	150	N	.04
610	N	10	N	N	70	N	20	N	150	N	.08
082	N	10	N	N	30	N	30	N	200	N	.06
083	N	10	N	N	50	N	30	N	200	N	.04
097	N	10	N	N	30	N	30	N	150	N	.05
714	N	10	N	N	70	N	30	N	300	N	.06
715	N	10	N	N	70	N	30	N	300	N	.03
716	N	10	N	N	70	N	30	N	300	N	.06
009	N	7	N	N	30	N	15	N	150	N	.06
002	N	7	N	N	70	N	20	N	200	N	.06
003	N	15	N	N	150	N	20	N	150	N	.06
ADA100	N	7	N	N	70	N	50	N	N	N	.06
ADA101	N	7	N	N	70	N	20	N	N	N	.08
ADA102	N	7	N	N	50	N	15	N	N	N	.02
ADA103	N	7	N	N	70	N	15	N	N	N	.04
ADA104	N	7	N	N	70	N	20	N	N	N	.06
ADA105	N	7	N	N	70	N	30	N	N	N	.03
ADA106	N	7	N	N	70	N	30	N	N	N	.06
ADA107	N	7	N	N	70	N	30	N	N	N	.06
ADA108	N	7	N	N	70	N	30	N	N	N	.06
482	N	7	N	N	30	N	15	N	100	N	.20
483	N	7	N	N	50	N	20	N	100	N	.08
1340	N	10	N	300	100	N	20	N	300	N	.02
375	N	5	N	N	50	N	20	N	200	N	.04
424	N	15	N	150	150	N	15	N	150	N	.06
418	N	15	N	200	200	N	15	N	300	N	.03
420	N	15	N	100	100	N	15	N	150	N	.06
134	N	7	N	N	30	N	10	N	100	N	.06
178	N	7	N	N	30	N	20	N	150	N	.02
179	N	7	N	N	50	N	20	N	150	N	.02
163	N	7	N	N	50	N	20	N	200	N	.10
213	N	10	N	N	50	N	30	N	150	N	.02
162	N	7	N	N	50	N	30	N	200	N	.12
160	N	10	N	N	50	N	30	N	200	N	.08
161	N	7	N	N	50	N	20	N	200	N	.06

sample	Latitude	Longitude	MAP_NO.	S-FEZ	S-MGX	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
248	47 34 12	113 9 48	713	.5	10.00	>20.00	.030	150	N	N	N	10
250	47 34 53	113 11 52	714	.5	10.00	20.00	.030	150	N	N	N	10
852	47 34 20	113 12 55	715	1.0	7.00	15.00	.070	150	N	N	N	20
853	47 34 36	113 12 44	715	1.5	7.00	15.00	.100	200	N	N	N	30
251	47 34 12	113 14 29	716	.3	7.00	20.00	.030	70	N	N	N	<10
856	47 34 22	113 16 4	717	1.5	7.00	15.00	.150	300	N	N	N	70
086	47 34 59	113 17 35	718	1.0	5.00	20.00	.100	150	N	N	N	20
081	47 34 54	113 18 18	719	1.5	1.00	1.00	.300	150	N	N	N	70
854	47 34 19	113 18 22	719	2.0	1.50	2.00	.200	200	N	N	N	50
334	47 34 19	113 19 25	720	1.5	1.00	1.00	.200	200	N	N	N	50
090	47 34 55	113 25 54	721	1.5	1.50	.07	.300	300	N	N	N	70
333	47 34 32	113 26 29	722	1.5	1.00	.07	.200	150	N	N	N	70
091	47 34 47	113 27 22	723	1.5	1.50	.10	.300	200	N	N	N	70
092	47 34 42	113 28 1	724	2.0	1.50	.07	.300	200	N	N	N	100
093	47 34 36	113 28 47	724	2.0	1.50	.07	.300	300	N	N	N	100
094	47 34 16	113 28 51	724	3.0	1.50	.15	.300	300	N	N	N	70
095	47 34 19	113 29 19	725	1.5	1.50	.50	.300	700	N	N	N	100
096	47 34 9	113 29 38	725	2.0	2.00	.10	.300	700	N	N	N	70
021	47 34 8	113 33 27	726	2.0	2.00	.30	.300	700	N	N	N	150
717	47 34 2	113 33 11	726	3.0	3.00	.50	.500	300	N	N	N	150
718	47 34 15	113 33 15	726	3.0	3.00	.50	.300	500	N	N	N	150
010	47 34 20	113 37 25	727	2.0	1.50	1.00	.300	1,000	N	N	N	70
004	47 34 47	113 39 33	728	2.0	.70	.70	.700	700	N	N	N	30
AC2053	47 34 22	113 52 6	729	--	--	--	--	1,000	N	--	--	--
376	47 35 12	112 54 31	730	2.0	1.00	.70	.300	300	N	N	N	30
377	47 35 8	112 54 18	730	2.0	1.00	.70	.300	150	N	N	N	50
417	47 35 22	112 56 55	731	3.0	.70	3.00	.300	500	N	N	N	100
215	47 35 39	112 58 3	732	7.0	1.00	5.00	1,000	700	N	N	N	30
415	47 35 42	113 2 52	733	2.0	5.00	7.00	.150	300	N	N	N	150
205	47 35 4	113 4 10	734	1.5	2.00	1.00	.200	150	N	N	N	50
158	47 35 49	113 4 28	734	3.0	.70	.10	.200	200	N	N	N	70
159	47 35 51	113 4 19	734	2.0	1.00	.50	.200	150	N	N	N	70
164	47 35 27	113 4 23	734	2.0	.50	.07	.200	100	N	N	N	70
165	47 35 42	113 4 19	734	3.0	1.00	.70	.200	150	N	N	N	10
249	47 35 8	113 12 1	735	.7	10.00	20.00	.050	150	N	N	N	100
862	47 35 6	113 16 19	736	3.0	1.50	3.00	.300	700	N	N	N	100
861	47 35 39	113 18 8	737	1.5	3.00	7.00	.200	150	N	N	N	70
104	47 35 58	113 23 55	738	2.0	1.50	.10	.300	200	N	N	N	100
088	47 35 8	113 25 43	739	3.0	1.50	.10	.500	200	N	N	N	70
101	47 35 18	113 25 22	739	1.0	.70	.05	.200	70	N	N	N	70
102	47 35 8	113 25 22	739	3.0	1.50	.07	.500	200	N	N	N	100
025	47 35 12	113 36 52	740	2.0	1.50	.30	.300	700	N	N	N	70
ADA494	47 35 8	113 52 59	741	--	--	--	--	1,000	N	--	--	--
ADA491	47 35 15	113 53 56	742	--	--	--	--	700	N	--	--	--
ADA493	47 35 13	113 53 25	742	--	--	--	--	1,500	N	--	--	--
ADA474	47 35 37	113 54 38	743	--	--	--	--	300	N	--	--	--
ADA475	47 35 37	113 54 26	743	--	--	--	--	200	N	--	--	--
ADA476	47 35 30	113 54 19	743	--	--	--	--	1,000	N	--	--	--
CH144	47 36 14	112 48 34	744	3.0	2.00	5.00	.500	500	N	<200	--	100
CH100	47 36 22	112 49 52	745	7.0	2.00	3.00	.700	2,000	<.5	<200	--	30

Choteau sed--continued

sample	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
248	50	N	N	N	N	7	5	N	N	N	<5	<10
250	70	N	N	N	N	15	7	N	N	N	<5	10
852	150	<1.0	N	N	<5	30	20	<20	N	N	10	15
853	150	<1.0	N	N	5	30	10	20	N	N	15	15
251	70	N	N	N	N	5	<5	N	N	N	<5	<10
856	300	<1.0	N	N	5	50	30	20	N	N	15	10
086	100	N	N	N	5	20	15	N	N	N	7	<10
081	300	1.0	N	N	15	30	50	30	N	10	15	<10
854	300	1.5	N	N	5	20	30	30	N	N	15	10
334	500	1.0	N	N	15	30	20	50	N	<10	20	20
090	300	1.0	N	N	15	50	7	50	N	<10	20	10
333	700	1.0	N	N	10	30	15	30	N	<10	15	20
C91	500	1.0	N	N	10	50	7	30	N	<10	20	<10
092	500	1.0	N	N	15	50	20	30	N	<10	20	<10
093	500	1.5	N	N	15	70	70	50	N	15	30	<10
094	300	1.0	N	N	15	70	15	70	N	10	20	<10
095	500	1.5	N	N	15	50	70	50	N	10	20	10
096	700	1.0	N	N	15	70	50	30	N	10	30	20
021	700	1.0	N	N	15	30	15	50	N	<10	30	50
717	300	2.0	N	N	15	50	15	30	N	N	30	30
718	300	1.0	N	N	15	50	20	30	N	N	30	30
010	500	1.0	N	N	15	30	15	30	N	<10	30	15
004	300	<1.0	N	N	15	30	50	50	N	<10	30	15
AC2053	500	--	--	--	15	30	15	--	N	--	20	50
376	500	<1.0	N	N	10	15	50	30	N	N	15	<10
377	500	1.0	N	N	7	10	50	20	N	N	15	<10
417	300	1.5	N	N	15	50	50	30	N	N	20	30
215	500	N	N	N	30	20	70	<20	N	<10	15	15
415	200	<1.0	N	N	10	15	30	20	N	N	15	20
205	300	<1.0	N	N	10	30	15	30	N	<10	15	10
158	500	2.0	N	N	<5	20	30	30	N	N	15	N
159	500	1.5	N	N	5	20	30	30	N	N	15	10
164	500	1.5	N	N	5	15	30	20	N	N	15	N
165	500	2.0	N	N	5	15	50	30	N	N	15	N
249	70	N	N	N	N	15	7	N	N	N	7	10
862	500	2.0	N	N	15	70	70	50	N	N	20	30
861	200	<1.0	N	N	5	30	50	30	N	N	15	15
104	500	1.5	N	N	10	30	10	50	N	10	15	10
088	500	1.0	N	N	20	70	30	70	N	<10	30	<10
101	300	<1.0	N	N	5	15	5	20	N	<10	10	<10
102	300	1.0	N	N	10	50	7	30	N	<10	20	10
025	500	1.0	N	N	15	30	20	70	N	<10	30	30
ADA494	500	--	--	--	20	30	20	--	N	--	50	70
ADA491	300	--	--	--	15	30	20	--	N	--	30	50
ADA493	300	--	--	--	20	30	20	--	N	--	50	70
ADA474	300	--	--	--	7	15	15	--	N	--	7	20
ADA475	300	--	--	--	15	30	15	--	N	--	30	30
ADA476	500	--	--	--	20	30	15	--	N	--	30	50
CH144	200	1.0	<10	<20	10	70	10	50	N	--	30	10
CH100	1,500	<1.0	<10	<20	5	70	30	<20	<5.0	--	50	15

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
248	N	N	N	300	10	N	<10	N	10	--	.02
250	N	N	N	300	<10	N	N	N	20	--	N
852	N	<5	N	150	30	N	10	N	50	N	.02
853	N	5	N	150	50	N	10	N	50	N	<.02
251	N	5	N	300	<10	N	<10	N	15	--	.02
856	N	5	N	150	70	N	15	N	100	N	.02
086	N	5	N	300	20	N	10	N	70	--	.03
081	N	10	N	N	30	N	30	N	200	--	.04
854	N	5	N	70	70	N	20	N	150	N	.02
334	N	10	N	50	50	N	20	N	150	--	N
090	N	10	N	<100	50	N	20	N	200	--	.04
333	N	10	N	N	50	N	30	N	150	--	N
091	N	10	N	N	50	N	20	N	150	--	.04
092	N	10	N	N	50	N	20	N	150	--	.04
093	N	10	N	N	70	N	30	N	200	--	.03
094	N	10	N	N	50	N	30	N	200	--	N
095	N	10	N	N	50	N	30	N	200	--	.04
096	N	10	N	N	50	N	30	N	150	--	.04
021	N	10	N	N	70	N	20	N	300	--	--
717	N	15	N	N	70	N	30	N	300	N	.10
718	N	10	N	N	70	N	50	N	150	N	.12
010	N	10	N	N	50	N	30	N	200	--	--
010	N	10	N	N	100	N	20	N	200	--	--
004	N	10	N	N	50	N	30	N	--	--	--
AC2053	--	--	N	--	50	--	30	N	150	N	.09
576	N	7	N	N	70	N	15	N	200	N	.10
377	N	7	N	N	70	N	20	N	150	N	.24
417	N	10	N	100	70	N	20	N	100	N	.03
215	N	15	N	<100	300	N	30	N	50	--	.06
415	N	7	N	<100	30	N	10	N	150	N	.03
205	N	7	N	N	30	N	20	N	300	N	.08
158	N	7	N	N	50	N	20	N	300	N	.07
159	N	7	N	N	50	N	20	N	300	N	.08
164	N	5	N	N	50	N	15	N	300	N	.11
165	N	7	N	N	50	N	15	N	300	N	N
249	N	N	N	300	10	N	<10	N	15	--	.02
862	N	10	N	<100	70	N	30	N	200	N	<.02
861	N	<5	N	100	50	N	30	N	200	N	.02
104	N	15	N	N	50	N	30	N	500	--	.02
088	N	15	N	N	70	N	30	N	300	--	.06
101	N	5	N	N	30	N	15	N	300	--	.03
102	N	10	N	N	50	N	30	N	300	--	--
025	N	10	N	N	100	N	20	N	300	--	--
ADA494	--	--	N	--	70	--	50	N	--	--	--
ADA491	--	--	N	--	50	--	30	N	--	--	--
ADA493	--	--	N	--	50	--	20	N	--	--	--
ADA474	--	--	N	--	70	--	20	N	--	--	--
ADA475	--	--	N	--	70	--	20	N	--	--	--
ADA476	--	--	N	--	70	--	20	N	--	--	--
ADA476	--	--	N	--	70	--	20	N	--	--	--
CH144	<100	<5	<10	200	150	<50	10	<200	100	--	--
CH100	<100	7	<10	300	300	<50	30	<200	300	--	--

Choteau seds--continued

sample	Latitude	Longitude	MAP_NO.	S-FEX	S-MGX	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
CH71	47 36 57	112 52 56	746	3.0	1.00	2.00	.700	300	<.5	<200	--	20
CH72	47 36 4	112 52 46	746	1.5	.70	2.00	.500	300	<.5	<200	--	20
379	47 36 51	112 52 47	746	3.0	1.00	1.00	.500	200	N	N	N	50
378	47 36 6	112 53 12	747	3.0	.70	.70	.500	200	N	N	N	30
413	47 36 37	112 55 25	748	3.0	.70	.70	.500	700	N	N	N	30
411	47 36 32	112 57 13	749	3.0	.70	.50	.300	700	N	N	N	50
412	47 36 40	112 57 20	749	3.0	1.00	1.50	.300	700	N	N	N	30
206	47 36 6	113 4 22	750	1.5	1.50	1.00	.300	200	N	N	N	50
207	47 36 54	113 4 29	750	2.0	1.50	1.00	.300	300	N	N	N	70
208	47 36 48	113 4 16	750	1.5	10.00	20.00	.150	300	N	N	N	30
55	47 36 27	113 4 30	750	2.0	.70	.07	.150	150	N	N	N	70
212	47 36 56	113 6 35	751	1.5	.70	.10	.200	150	N	N	N	70
345	47 36 8	113 12 4	752	1.0	5.00	15.00	.070	150	N	N	N	15
132	47 36 20	113 18 10	753	3.0	3.00	5.00	.300	500	N	N	N	70
087	47 36 34	113 19 46	754	2.0	1.00	.15	.300	300	N	N	N	50
860	47 36 44	113 19 18	754	2.0	2.00	5.00	.200	200	N	N	N	70
105	47 36 29	113 23 9	755	2.0	1.50	.15	.300	500	N	N	N	100
015	47 36 29	113 40 44	756	5.0	1.00	.70	1.000	700	N	N	N	15
AC2121	47 36 45	113 55 58	757	--	--	--	--	700	N	--	--	--
AC2122	47 36 44	113 55 51	757	--	--	--	--	1,000	N	--	--	--
AC2941	47 36 44	113 55 0	757	--	--	--	--	1,000	N	--	--	--
AC2119	47 36 35	113 56 25	758	--	--	--	--	1,000	N	--	--	--
AC2968	47 36 30	113 56 48	758	--	--	--	--	700	N	--	--	--
AC2115	47 36 52	113 57 5	759	--	--	--	--	700	N	--	--	--
AC2118	47 36 37	113 57 25	759	--	--	--	--	700	N	--	--	--
AC2120	47 36 27	113 57 22	759	--	--	--	--	1,000	N	--	--	--
CH444	47 37 40	112 44 18	760	1.0	3.00	10.00	.200	300	N	500	--	30
CH47	47 37 15	112 45 26	761	2.0	2.00	2.00	.300	1,000	<.5	1,000	--	70
CH51	47 37 4	112 46 10	762	2.0	2.00	15.00	.150	300	N	<200	--	70
CH52	47 37 39	112 47 6	763	2.0	5.00	20.00	.100	300	<.5	<200	--	50
CH99	47 37 58	112 51 36	764	<.1	.30	15.00	.005	50	<.5	<200	--	<10
CH70	47 37 17	112 52 54	765	3.0	.70	2.00	.500	300	N	<200	--	15
380	47 37 53	112 52 12	765	3.0	.70	.70	.300	300	N	N	N	50
381	47 37 38	112 52 17	765	2.0	1.00	1.50	.200	200	N	N	N	50
362	47 37 23	112 54 33	766	3.0	.70	.70	.300	300	N	N	N	50
414	47 37 4	112 54 10	766	3.0	1.00	1.50	.300	500	N	N	N	50
435	47 37 38	112 55 35	767	3.0	.70	1.50	.300	500	N	N	N	50
436	47 37 31	112 55 44	767	3.0	1.00	.70	.300	300	N	N	N	50
434	47 37 47	112 56 53	768	3.0	1.50	1.50	.300	500	N	N	N	70
209	47 37 33	113 4 37	769	1.5	.70	.15	.200	200	N	N	N	70
364	47 37 38	113 4 7	769	1.5	3.00	5.00	.150	150	N	N	N	50
366	47 37 57	113 6 25	770	1.5	.70	.15	.200	200	N	N	N	70
252	47 37 59	113 12 47	771	.7	10.00	15.00	.050	150	N	N	N	10
253	47 37 56	113 12 30	771	1.0	10.00	15.00	.070	150	N	N	N	30
851	47 37 12	113 12 31	771	2.0	7.00	15.00	.100	300	N	N	N	30
131	47 37 28	113 19 7	772	1.5	.70	3.00	.300	150	N	N	N	50
859	47 37 39	113 20 27	773	1.5	2.00	5.00	.200	150	N	N	N	50
012	47 37 16	113 37 46	774	3.0	2.00	.50	.700	500	N	N	N	150
.005	47 37 19	113 41 9	775	1.5	.70	.30	.300	300	N	N	N	20
AC2124	47 37 32	113 54 59	776	--	--	--	--	200	N	--	--	--

sample	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
CH71	700	<1.0	<10	<20	7	30	15	<20	<5.0	--	15	15
CH72	700	1.0	<10	<20	5	20	7	30	<5.0	--	15	15
379	700	1.0	N	N	7	15	50	20	N	N	10	<10
378	500	1.0	N	N	7	15	50	<20	N	N	10	10
413	500	1.0	N	N	15	20	50	20	N	<10	20	10
411	300	1.0	N	N	15	30	50	30	N	N	20	10
412	300	1.0	N	N	15	20	30	30	N	N	15	<10
206	200	1.0	N	N	10	30	15	30	N	<10	15	10
207	700	1.5	N	N	10	30	50	50	N	<10	15	15
208	100	<1.0	N	N	7	20	70	<20	N	N	15	15
55	500	1.5	N	N	5	30	20	30	N	N	15	10
212	700	1.5	N	N	10	15	10	30	N	<10	15	15
345	50	<1.0	N	N	7	15	5	<20	N	N	10	15
132	500	1.0	N	N	15	30	10	30	N	<10	15	30
087	300	1.0	N	N	20	50	50	30	N	10	20	<10
850	300	1.0	N	N	5	20	50	30	N	N	15	<10
105	500	1.0	N	N	20	70	15	30	N	<10	20	15
015	300	N	N	N	50	30	20	<20	N	10	30	30
AC2121	500	--	--	--	10	30	20	--	N	--	15	50
AC2122	500	--	--	--	15	30	20	--	N	--	30	70
AC2941	300	--	--	--	10	20	30	--	N	--	15	70
AC2119	500	--	--	--	20	50	30	--	N	--	30	50
AC2968	300	--	--	--	15	20	20	--	N	--	15	30
AC2115	300	--	--	--	15	30	30	--	N	--	20	70
AC2118	500	--	--	--	20	30	30	--	N	--	20	70
AC2120	300	--	--	--	5	20	70	--	N	--	5	70
CH44	500	1.0	<10	<20	10	70	10	<20	N	--	20	N
CH47	1,000	2.0	<10	<20	20	100	15	100	<5.0	--	30	70
CH51	500	1.0	<10	<20	5	30	10	<20	N	--	15	<10
CH52	300	<1.0	<10	<20	7	30	10	<20	<5.0	--	15	<10
CH99	--	<1.0	<10	<20	<5	--	<5	<20	<5.0	--	<5	<10
CH70	700	1.0	<10	<20	10	20	30	<20	N	--	30	15
380	500	2.0	N	N	10	150	50	20	N	N	15	15
381	500	1.0	N	N	7	20	70	20	N	N	15	10
362	700	1.0	N	N	20	70	30	30	N	10	70	20
414	700	1.0	N	N	15	30	30	20	N	N	20	10
435	500	1.5	N	N	15	70	70	20	N	N	50	15
436	300	1.0	N	N	15	50	30	20	N	N	20	10
434	500	1.0	N	N	15	30	30	20	N	N	20	15
209	500	1.5	N	N	10	20	15	70	N	10	20	15
364	300	<1.0	N	N	10	30	10	20	N	N	15	20
366	300	1.5	N	N	10	20	5	50	N	<10	15	10
252	70	N	N	N	N	7	7	N	N	N	5	10
253	100	N	N	N	5	20	15	<20	N	N	10	10
851	200	<1.0	N	N	7	50	20	N	N	N	20	15
131	300	<1.0	N	N	7	15	7	20	N	<10	10	<10
859	200	<1.0	N	N	5	20	50	30	N	N	15	<10
012	500	<1.0	N	N	30	30	70	50	N	<10	30	70
005	300	1.0	N	N	10	20	10	50	N	<10	20	30
AC2124	500	--	--	--	15	30	15	--	N	--	30	<10

Chateau seds---continued

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
CH71	<100	5	<10	200	100	<50	7	<200	150	--	--
CH72	<100	<5	<10	200	70	<50	5	<200	150	--	--
379	N	7	N	N	100	N	20	N	150	N	.18
378	N	7	N	N	100	N	15	N	150	N	.08
413	N	10	N	N	150	N	15	N	150	N	.13
411	N	10	N	N	70	N	20	N	150	N	.13
412	N	10	N	<100	100	N	15	N	150	N	.10
206	N	7	N	<100	30	N	20	N	150	--	.04
207	N	10	N	N	30	N	30	N	200	--	.02
208	N	5	N	<100	20	N	10	N	50	--	.02
55	N	7	N	N	30	N	20	N	200	N	.07
212	N	10	N	N	30	N	30	N	300	--	.04
345	N	<5	N	200	20	N	10	N	70	--	.02
132	N	15	N	N	50	N	20	N	200	--	.07
087	N	10	N	N	50	N	30	N	300	--	.05
860	N	7	N	<100	30	N	20	N	150	N	.02
105	N	15	N	N	70	N	30	N	300	--	.04
015	N	15	N	N	200	N	20	N	150	--	--
ACZ121	--	--	N	--	70	--	50	N	--	--	--
ACZ122	--	--	N	--	70	--	50	N	--	--	--
ACZ941	--	--	N	--	70	--	30	N	--	--	--
ACZ119	--	--	N	--	70	--	70	N	--	--	--
ACZ968	--	--	N	--	70	--	15	N	--	--	--
ACZ115	--	--	N	--	70	--	30	N	--	--	--
ACZ118	--	--	N	--	70	--	30	N	--	--	--
ACZ120	--	--	N	--	70	--	20	N	--	--	--
CH44	<100	5	N	200	100	<50	<10	N	200	--	.16
CH47	<100	10	<10	150	100	<50	7	<200	300	--	.07
CH51	<100	7	N	1,000	70	<50	10	N	100	--	--
CH52	<100	7	<10	700	50	<50	5	<200	70	--	--
CH99	<100	--	<10	--	<10	<50	<5	<200	<10	--	--
CH70	<100	7	N	200	150	<50	<10	N	300	--	--
380	N	10	N	100	70	N	20	N	150	N	.16
381	N	7	N	N	50	N	20	N	150	N	.07
362	N	15	N	N	150	N	30	N	150	--	.06
414	N	15	N	<100	150	N	20	N	150	N	.08
435	N	15	N	100	100	N	20	N	200	N	.06
436	N	7	N	N	100	N	15	N	200	N	.06
434	N	10	N	N	100	N	15	N	150	N	.05
209	N	10	N	N	30	N	30	N	150	--	.04
364	N	7	N	N	30	N	15	N	100	--	.09
366	N	7	N	N	30	N	30	N	150	--	.02
252	N	<5	N	150	10	N	<10	N	20	--	N
253	N	5	N	100	15	N	<10	N	30	--	N
851	N	7	N	100	50	N	10	N	70	N	.02
131	N	7	N	N	30	N	15	N	100	--	.05
859	N	5	N	<100	70	N	20	N	100	N	.02
012	N	15	N	N	150	N	50	N	200	--	--
005	N	7	N	N	30	N	15	N	300	--	--
ACZ124	--	--	N	--	70	--	30	N	--	--	--

sample	latitude	longitude	MAP_NO.	S-FEX	S-MGZ	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
CH43	47 38 27	112 51 22	777	1.5	2.00	7.00	.300	500	<.5	1,000	--	50
382	47 38 56	112 52 25	778	2.0	2.00	3.00	.200	300	N	N	N	30
427	47 38 56	112 58 8	779	2.0	1.50	1.50	.300	500	N	N	N	100
432	47 38 5	112 58 17	779	2.0	2.00	2.00	.200	200	N	N	N	50
433	47 38 4	112 58 0	779	2.0	1.50	1.50	.500	300	N	N	N	30
365	47 38 16	113 2 37	780	1.5	5.00	10.00	.150	300	N	N	N	70
425	47 38 0	113 3 3	781	3.0	1.50	1.50	.300	500	N	N	N	200
426	47 38 3	113 3 22	781	3.0	2.00	3.00	.300	300	N	N	N	150
210	47 38 11	113 4 48	782	1.5	.70	.07	.150	150	N	N	N	50
211	47 38 20	113 4 43	782	1.5	.50	.05	.150	100	N	N	N	30
536	47 38 57	113 4 55	782	3.0	1.50	3.00	.200	500	N	N	N	100
896	47 38 58	113 12 45	783	1.5	7.00	15.00	.100	300	N	N	N	30
858	47 38 34	113 21 29	784	2.0	2.00	5.00	.200	200	N	N	N	50
118	47 38 51	113 22 44	785	1.5	2.00	.07	.300	200	N	N	N	70
332	47 38 37	113 22 43	785	2.0	1.00	.07	.300	200	N	N	N	70
106	47 38 32	113 24 51	786	1.5	1.00	.07	.300	200	N	N	N	50
108	47 38 41	113 25 55	787	1.5	1.50	.07	.500	150	N	N	N	70
107	47 38 55	113 26 7	788	2.0	2.00	.10	.500	300	N	N	N	100
109	47 38 36	113 26 14	788	3.0	1.50	.15	.700	500	N	N	N	70
110	47 38 58	113 27 20	789	1.5	1.50	.10	.300	150	N	N	N	70
111	47 38 46	113 27 25	789	2.0	2.00	1.00	.300	300	N	N	N	100
114	47 38 47	113 30 31	790	3.0	2.00	.20	.700	700	N	N	N	100
115	47 38 53	113 31 59	791	2.0	2.00	.70	.700	700	N	N	N	70
116	47 38 59	113 33 15	792	2.0	1.50	.15	.700	500	N	N	N	100
117	47 38 51	113 33 29	792	5.0	5.00	2.00	.700	1,500	N	N	N	70
016	47 38 7	113 40 41	793	1.5	.70	.30	.200	700	N	N	N	30
ADA121	47 38 36	113 54 59	794	--	--	--	--	150	N	--	--	--
ADA122	47 38 39	113 54 38	794	--	--	--	--	100	N	--	--	--
ADA123	47 38 44	113 54 5	794	--	--	--	--	100	N	--	--	--
ADA118	47 38 44	113 55 44	795	--	--	--	--	200	N	--	--	--
ADA119	47 38 41	113 55 38	795	--	--	--	--	200	N	--	--	--
ADA120	47 38 40	113 55 36	795	--	--	--	--	300	N	--	--	--
AC2994	47 38 38	113 56 43	796	--	--	--	--	700	N	--	--	--
ADA505	47 38 57	113 56 37	796	--	--	--	--	300	N	--	--	--
ADA508	47 38 23	113 56 55	796	--	--	--	--	1,500	N	--	--	--
ADA509	47 38 23	113 56 55	796	--	--	--	--	700	N	--	--	--
AC2902	47 38 51	113 57 38	797	--	--	--	--	700	N	--	--	--
79555	47 39 37	112 43 55	798	--	--	10.00	--	300	N	N	N	--
CH134	47 39 41	112 45 22	799	1.0	1.00	5.00	.300	500	<.5	<200	--	20
1329	47 39 50	112 50 26	800	1.0	5.00	10.00	.050	100	N	N	N	10
CH56	47 39 46	112 52 52	801	3.0	1.00	1.00	.700	300	N	<200	--	10
428	47 39 36	112 57 18	802	3.0	1.50	3.00	.700	700	N	N	N	50
254	47 39 49	113 12 33	803	.7	10.00	20.00	.050	150	N	N	N	10
255	47 39 46	113 12 21	803	.7	7.00	20.00	.070	300	N	N	N	30
130	47 39 0	113 20 5	804	2.0	1.00	.50	.500	200	N	N	N	100
850	47 39 38	113 20 23	804	3.0	2.00	5.00	.500	500	N	N	N	50
120	47 39 27	113 21 51	805	1.5	.50	.50	.200	200	N	N	N	50
121	47 39 16	113 21 47	805	1.5	1.00	.20	.300	200	N	N	N	70
119	47 39 9	113 22 14	806	1.5	1.00	.07	.300	150	N	N	N	20
112	47 39 5	113 28 31	807	2.0	1.50	.07	.300	300	N	N	N	150

Choteau seds--continued

sample	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
CH43	1,000	1.0	<10	<20	20	70	15	50	<5.0	--	30	20
382	500	1.0	N	N	10	30	30	20	N	N	15	10
427	500	1.0	N	N	15	30	70	30	N	N	20	20
432	300	1.0	N	N	10	30	30	20	N	N	15	15
433	300	<1.0	N	N	10	20	50	20	N	N	15	10
365	200	<1.0	N	N	10	50	15	30	N	<10	20	30
425	300	1.0	N	N	15	100	20	30	N	N	50	15
426	500	1.5	N	N	10	30	30	50	N	N	20	15
210	500	1.0	N	N	10	20	10	50	N	<10	15	10
211	200	<1.0	N	N	7	15	15	30	N	<10	15	10
536	700	3.0	N	N	5	N	20	50	N	N	20	10
896	150	<1.0	N	N	<5	30	15	N	N	N	15	10
858	200	<1.0	N	N	5	20	50	20	N	N	15	<10
118	200	1.5	N	N	10	30	10	70	N	10	15	10
332	300	1.0	N	N	15	30	7	30	N	<10	20	15
106	300	1.0	N	N	10	30	20	30	N	<10	15	10
108	300	1.0	N	N	10	70	7	30	N	<10	15	<10
107	500	1.0	N	N	15	70	15	50	N	<10	20	10
109	300	1.0	N	N	15	50	15	30	N	<10	30	10
110	500	1.0	N	N	10	50	7	30	N	<10	20	<10
111	700	1.0	N	N	10	50	15	30	N	<10	30	20
114	500	1.5	N	N	20	70	15	50	N	<10	30	15
115	500	1.0	N	N	20	50	20	50	N	10	20	10
116	300	1.0	N	N	15	50	10	30	N	<10	30	10
117	700	1.0	N	N	30	50	70	20	N	<10	30	50
016	500	1.5	N	N	10	30	15	70	N	10	15	15
ADA121	200	--	--	--	N	10	20	--	N	--	N	70
ADA122	300	--	--	--	5	15	20	--	N	--	5	30
ADA123	500	--	--	--	15	30	20	--	N	--	30	10
ADA118	500	--	--	--	15	50	30	--	N	--	20	<10
ADA119	500	--	--	--	15	30	15	--	N	--	15	30
ADA120	500	--	--	--	15	30	20	--	N	--	20	30
AC2994	200	--	--	--	5	30	150	--	N	--	10	30
ADA505	150	--	--	--	5	10	10	--	N	--	5	N
ADA508	500	--	--	--	30	70	15	--	N	--	50	50
ADA509	150	--	--	--	<5	<10	50	--	N	--	<5	70
AC2902	500	--	--	--	15	50	70	--	N	--	15	50
795SS	--	N	N	N	--	70	10	--	N	--	--	15
CH134	700	<1.0	<10	<20	5	50	5	30	<5.0	--	7	20
1329	50	<1.0	N	N	<5	50	7	<20	N	N	7	15
CH56	700	1.0	<10	<20	7	70	10	20	N	--	20	15
428	500	<1.0	N	N	15	20	30	<20	N	N	20	20
254	70	N	N	N	N	7	15	<20	N	N	5	10
255	100	N	N	N	7	20	10	30	N	N	15	15
130	500	1.5	N	N	10	20	30	30	N	10	15	10
850	300	1.0	N	N	10	50	30	N	N	N	15	<10
120	200	1.0	N	N	10	30	15	30	N	<10	15	<10
121	500	1.0	N	N	15	50	10	30	N	<10	20	15
119	300	1.0	N	N	15	30	10	30	N	<10	15	10
112	500	1.5	N	N	15	70	10	30	N	<10	20	15

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
CH43	<100	10	<10	20	150	<50	7	<200	300	--	--
382	N	7	N	100	70	N	15	N	100	N	.16
427	N	10	N	N	70	N	15	N	150	N	.04
432	N	5	N	N	50	N	15	N	150	N	.12
433	N	10	N	N	100	N	15	N	150	N	.10
365	N	10	N	150	30	N	15	N	70	--	N
425	N	15	N	N	70	N	15	N	100	N	.07
426	N	10	N	N	70	N	20	N	150	N	.02
210	N	7	N	N	30	N	30	N	150	--	.03
211	N	5	N	N	20	N	15	N	100	--	.03
536	N	7	N	N	50	N	30	N	150	--	.15
896	N	<5	N	<100	30	N	10	N	70	N	.02
858	N	5	N	<100	70	N	20	N	150	N	.02
118	N	10	N	N	50	N	50	N	200	N	.04
332	N	15	N	N	70	N	20	N	300	--	N
106	N	10	N	N	30	N	30	N	200	--	.05
108	N	10	N	N	50	N	30	N	200	--	.03
107	N	15	N	N	70	N	30	N	300	--	.04
109	N	15	N	N	150	N	30	N	200	--	.04
110	N	10	N	N	70	N	30	N	500	--	.02
111	N	7	N	N	50	N	30	N	200	--	.05
114	N	15	N	N	100	N	30	N	300	--	.05
115	N	15	N	N	100	N	30	N	200	--	.04
116	N	10	N	N	70	N	20	N	200	--	.10
117	N	20	N	N	200	N	30	N	150	--	.06
016	N	10	N	N	70	N	50	N	300	--	--
ADA121	--	--	N	--	30	--	30	N	--	--	--
ADA122	--	--	30	--	50	--	70	N	--	--	--
ADA123	--	--	N	--	70	--	30	N	--	--	--
ADA118	--	--	N	--	70	--	50	N	--	--	--
ADA119	--	--	N	--	70	--	20	N	--	--	--
ADA120	--	--	N	--	70	--	20	N	--	--	--
AC2994	--	--	N	--	50	--	50	N	--	--	--
ADA505	--	--	N	--	15	--	30	N	--	--	--
ADA508	--	--	N	--	70	--	50	N	--	--	--
ADA509	--	--	N	--	50	--	10	N	--	--	--
AC2902	--	--	N	--	70	--	50	N	--	--	--
79555	N	--	N	--	70	N	20	N	--	N	--
CH134	<100	5	<10	200	70	<50	10	<200	300	--	<.02
1329	N	<5	N	N	20	N	<10	N	20	N	--
CH56	<100	10	N	150	100	<50	<10	N	300	--	.03
428	N	15	N	N	150	N	15	N	200	N	N
254	N	N	N	300	<10	N	<10	N	20	--	.03
255	N	<5	N	300	15	N	10	N	30	--	.03
130	N	10	N	N	50	N	30	N	200	--	.02
850	N	7	N	N	100	N	20	N	150	N	.04
120	N	7	N	N	30	N	15	N	150	--	.05
121	N	10	N	N	50	N	30	N	200	--	.03
119	N	7	N	N	30	N	30	N	200	--	.07
112	N	15	N	N	70	N	20	N	200	--	

Choteau seds--continued

sample	Latitude	Longitude	MAP_NO.	S-FEZ	S-MGX	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
113	47 39 6	113 30 14	808	2.0	1.00	.15	.500	500	N	N	N	100
ADA116	47 39 0	113 55 45	809	--	--	--	--	700	N	--	--	--
ADA510	47 39 36	113 56 54	810	--	--	--	--	700	N	--	--	--
AC2901	47 39 3	113 57 19	811	--	--	--	--	500	N	--	--	--
AC2903	47 39 25	113 57 15	811	--	--	--	--	300	N	--	--	--
79255	47 40 48	112 40 26	812	--	--	--	--	200	N	N	N	--
79355	47 40 41	112 40 36	812	--	--	--	--	200	N	N	N	--
79455	47 40 34	112 40 30	812	--	--	--	--	300	N	N	N	--
CH143	47 40 45	112 45 22	813	5.0	2.00	5.00	.500	1,000	<.5	<200	--	20
1328	47 40 25	112 47 27	814	2.0	3.00	5.00	.200	300	N	N	N	50
CH57	47 40 2	112 52 58	815	2.0	1.50	3.00	.500	300	<.5	<200	--	15
384	47 40 6	112 53 30	816	2.0	3.00	3.00	.200	200	N	N	N	50
CH69	47 40 58	112 54 29	817	3.0	1.50	3.00	.700	300	N	<200	--	10
431	47 40 38	112 55 52	818	2.0	1.50	2.00	.200	300	N	N	N	70
429	47 40 5	112 57 10	819	1.5	1.50	2.00	.200	150	N	N	N	70
437	47 40 54	113 6 42	820	2.0	.70	.20	.200	500	N	N	N	70
258	47 40 51	113 12 44	821	.5	7.00	15.00	.030	100	N	N	N	20
122	47 40 4	113 20 7	822	1.5	1.00	.15	.200	200	N	N	N	50
849	47 40 46	113 20 37	822	2.0	1.50	5.00	.200	300	N	N	N	50
756	47 40 40	113 37 14	823	5.0	3.00	.50	.300	700	N	N	N	150
757	47 40 32	113 38 13	824	7.0	3.00	1.00	1.000	1,000	N	N	N	150
758	47 40 45	113 39 32	825	3.0	2.00	5.00	.200	300	N	N	N	100
759	47 40 26	113 40 39	826	3.0	2.00	3.00	.200	700	N	N	N	100
026	47 40 15	113 42 0	827	3.0	1.50	.30	.300	500	N	N	N	100
AC2001	47 40 43	113 55 30	828	--	--	--	--	700	N	--	--	--
AC2024	47 40 56	113 55 36	828	--	--	--	--	700	N	--	--	--
AC2990	47 40 41	113 56 28	829	--	--	--	--	700	N	--	--	--
ADA003	47 40 50	113 56 26	829	--	--	--	--	700	N	--	--	--
ADA006	47 40 52	113 57 13	830	--	--	--	--	700	N	--	--	--
ADA035	47 40 33	113 57 35	830	--	--	--	--	2,000	N	--	--	--
ADA036	47 40 27	113 57 34	830	--	--	--	--	2,000	N	--	--	--
ADA037	47 40 32	113 57 16	830	--	--	--	--	500	N	--	--	--
CH142	47 41 12	112 45 13	831	3.0	3.00	7.00	.300	700	<.5	<200	--	50
CH137	47 41 53	112 46 11	832	1.5	2.00	7.00	.500	500	<.5	<200	--	50
CH139	47 41 41	112 47 6	833	1.5	2.00	7.00	.500	300	<.5	<200	--	50
528	47 41 35	112 50 35	834	3.0	1.50	1.00	.200	300	N	N	N	30
527	47 41 14	112 51 39	835	3.0	1.50	1.50	.300	500	N	N	N	50
CH58	47 41 43	112 53 0	836	2.0	2.00	3.00	.200	300	N	<200	--	15
529	47 41 44	112 53 28	836	3.0	1.00	1.00	.200	500	N	N	N	50
385	47 41 5	112 54 7	837	3.0	1.50	1.00	.300	500	N	N	N	50
386	47 41 8	112 54 27	837	2.0	2.00	5.00	.300	300	N	N	N	50
388	47 41 44	112 54 58	837	3.0	2.00	3.00	.200	200	N	N	N	50
387	47 41 32	112 55 4	838	3.0	2.00	3.00	.500	500	N	N	N	70
430	47 41 0	112 55 33	838	3.0	.70	.70	.300	300	N	N	N	50
217	47 41 58	113 3 36	839	1.5	1.00	.30	.200	300	N	N	N	50
218	47 41 53	113 3 26	839	1.5	3.00	7.00	.150	150	N	N	N	50
535	47 41 15	113 3 20	839	3.0	3.00	3.00	.300	500	N	N	N	100
531	47 41 45	113 4 39	840	2.0	.70	.70	.150	200	N	N	N	50
532	47 41 44	113 4 28	840	2.0	1.50	2.00	.150	300	N	N	N	50
219	47 41 11	113 5 58	841	1.5	.70	.10	.150	200	N	N	N	50

sample	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
113	300	1.0	N	N	10	50	10	30	N	<10	20	10
ADA116	500	--	--	--	15	30	50	--	N	--	20	50
ADA510	700	--	--	--	30	50	30	--	N	--	30	70
ACZ901	200	--	--	--	<5	15	20	--	N	--	N	50
ACZ903	200	--	--	--	N	15	20	--	N	--	<5	10
792SS	--	N	N	N	--	70	10	--	N	--	--	30
793SS	--	N	N	N	--	200	15	--	N	--	--	30
794SS	--	N	N	N	--	70	7	--	N	--	--	30
CH143	20	1.0	<10	<20	5	70	30	20	<5.0	--	30	30
1328	200	1.5	N	N	5	50	15	20	<5.0	--	20	<10
CH57	700	<1.0	<10	<20	5	30	7	<20	<5.0	--	10	15
384	700	1.0	N	N	7	20	30	20	N	N	15	15
CH69	500	<1.0	<10	<20	7	200	10	20	N	--	10	N
431	500	1.0	N	N	10	50	30	30	N	N	15	15
429	300	1.0	N	N	5	30	70	<20	N	N	10	20
437	300	1.5	N	N	7	20	30	20	N	N	15	15
258	50	N	N	N	<5	7	7	<20	N	N	7	10
122	500	1.0	N	N	15	50	5	30	N	<10	20	10
849	300	1.0	N	N	5	30	30	20	N	--	15	<10
756	500	1.0	N	N	5	50	50	20	N	N	15	20
757	700	<1.0	N	N	10	50	70	20	N	N	15	20
758	500	1.0	N	N	5	30	10	20	N	N	10	20
759	500	1.5	N	N	5	30	20	20	N	N	15	30
026	500	1.0	N	N	15	30	10	50	N	<10	30	20
ACZ001	200	--	--	--	5	10	15	--	N	--	10	15
ACZ024	500	--	--	--	20	30	30	--	N	--	50	70
ACZ990	300	--	--	--	7	15	20	--	N	--	15	10
ADA003	500	--	--	--	5	30	10	--	N	--	<5	10
ADA006	300	--	--	--	7	30	20	--	N	--	5	15
ADA035	300	--	--	--	15	15	150	--	N	--	7	10
ADA036	300	--	--	--	5	15	20	--	N	--	7	10
ADA037	300	--	--	--	N	15	30	--	N	--	7	10
CH142	300	1.0	<10	<20	5	50	30	20	<5.0	--	30	20
CH137	700	1.0	<10	<20	5	50	5	30	<5.0	--	15	10
CH139	300	<1.0	<10	<20	5	70	5	30	<5.0	--	10	15
528	300	1.0	N	N	15	50	20	30	N	N	30	15
527	500	1.0	N	N	15	70	20	30	N	N	30	15
CH58	700	<1.0	<10	<20	7	50	15	20	N	--	20	15
529	500	1.5	N	N	15	70	20	30	N	N	30	20
385	500	1.5	N	N	15	30	70	20	N	N	20	10
386	500	1.5	N	N	10	30	50	20	N	N	15	15
388	300	<1.0	N	N	10	30	30	20	N	N	15	15
387	500	1.0	N	N	10	50	50	20	N	N	20	15
430	500	1.0	N	N	10	30	30	30	N	N	20	15
217	500	1.0	N	N	10	20	10	30	N	10	15	15
218	300	<1.0	N	N	10	30	10	30	N	<10	15	30
535	700	2.0	N	N	10	50	20	50	N	N	30	15
531	300	1.5	N	N	7	30	<5	20	N	N	10	15
532	300	1.0	N	N	7	50	<5	30	N	N	15	10
219	500	1.0	N	N	10	10	10	30	N	<10	15	15

Choteau seds---continued

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
113	N	15	N	N	50	N	30	N	300	--	.06
ADA116	--	--	N	--	70	--	30	N	--	--	--
ADA510	--	--	N	--	70	--	30	N	--	--	--
AC2901	--	--	N	--	30	--	15	N	--	--	--
AC2903	--	--	N	--	50	--	15	N	--	--	--
792SS	N	--	N	--	70	N	30	N	--	N	--
793SS	N	--	N	--	70	N	50	N	--	N	--
794SS	N	--	N	--	70	N	30	N	--	N	--
CH143	<100	10	<10	300	200	<50	10	<200	150	--	--
1328	<100	10	<10	<100	70	<50	15	N	70	N	.02
CH57	<100	5	<10	300	100	<50	5	<200	300	--	--
384	N	7	N	<100	70	<50	15	N	150	N	.15
CH69	<100	<5	N	100	150	<50	<10	N	100	--	--
431	N	10	N	N	100	N	15	N	150	N	.10
429	N	5	N	N	50	N	20	N	300	N	.04
437	N	7	N	N	50	N	20	N	150	N	.05
258	N	N	N	150	10	N	<10	N	30	--	N
122	N	7	N	N	30	N	30	N	150	--	.05
849	N	7	N	N	50	N	20	N	150	N	<.02
756	N	10	N	N	70	N	30	N	200	N	.06
757	N	15	N	N	300	N	30	N	150	N	.04
758	N	7	N	N	30	N	15	N	150	N	.02
759	N	7	N	N	50	N	20	N	150	--	.06
026	N	10	N	N	70	N	20	N	300	--	--
AC2001	--	--	N	--	50	--	70	N	--	--	--
AC2024	--	--	N	--	70	--	15	N	--	--	--
AC2990	--	--	N	--	50	--	50	N	--	--	--
ADA003	--	--	N	--	30	--	20	N	--	--	--
ADA006	--	--	15	--	30	--	15	N	--	--	--
ADA035	--	--	N	--	70	--	30	N	--	--	--
ADA036	--	--	N	--	50	--	20	N	--	--	--
ADA037	--	--	N	--	70	--	30	N	--	--	--
CH142	<100	10	<10	200	150	<50	10	<200	150	--	--
CH137	<100	5	<10	200	100	<50	5	<200	70	--	--
CH139	<100	5	<10	200	70	<50	10	<200	50	--	--
528	N	10	N	<100	100	N	15	N	100	N	.10
527	N	15	N	100	100	N	20	N	150	N	.06
CH58	<100	7	N	300	100	<50	<10	N	150	--	--
529	N	15	N	100	100	N	20	N	150	N	.10
385	N	10	N	100	100	N	20	N	150	N	.08
386	N	10	N	100	100	N	20	N	150	N	.16
388	N	7	N	100	70	N	15	N	70	N	.06
387	N	10	N	100	150	N	20	N	200	N	.11
430	N	10	N	<100	100	N	20	N	150	N	.14
217	N	10	N	N	30	N	30	N	100	--	.02
218	N	10	N	N	30	N	20	N	100	--	.05
535	N	15	N	N	70	N	20	N	200	--	.11
531	N	7	N	N	50	N	20	N	300	N	.04
532	N	5	N	N	50	N	15	N	200	N	.05
219	N	7	N	N	30	N	30	N	150	--	.02

sample	Latitude	Longitude	MAP_NO.	S-FEX	S-MGZ	S-CAZ	S-TIZ	S-MN	S-AG	S-AS	S-AU	S-B
897	47 41 55	113 12 40	842	1.0	5.00	7.00	.070	200	N	N	N	30
898	47 41 45	113 12 59	842	.5	3.00	7.00	.050	200	N	N	N	20
129	47 41 13	113 21 59	843	.7	1.00	15.00	.100	150	N	N	N	30
848	47 41 38	113 22 1	844	3.0	1.50	5.00	.500	500	N	N	N	30
876	47 41 36	113 23 58	845	3.0	2.00	.30	.300	700	N	N	N	100
878	47 41 57	113 23 25	845	3.0	2.00	.30	.300	300	N	N	N	100
874	47 41 21	113 24 58	846	1.5	.70	.30	.200	700	N	N	N	70
875	47 41 27	113 24 49	846	1.5	1.00	.20	.150	300	N	N	N	70
877	47 41 44	113 24 11	846	2.0	1.50	.30	.200	700	N	N	N	100
873	47 41 1	113 25 57	847	1.5	.50	.30	.200	1,000	N	N	N	100
754	47 41 48	113 37 13	848	5.0	2.00	.70	.300	700	N	N	N	150
755	47 41 23	113 37 1	848	3.0	1.50	.30	.300	500	N	N	N	100
AC2025	47 41 14	113 55 10	849	--	--	--	--	700	N	--	--	--
CH135	47 42 32	112 45 9	850	1.0	2.00	10.00	.150	300	<.5	<200	--	20
CH131	47 42 11	112 48 31	851	20.0	.10	.20	.010	20	<.5	<200	--	<10
469	47 42 35	112 49 3	852	2.0	1.50	2.00	.150	300	N	N	N	70
470	47 42 39	112 49 29	852	1.0	5.00	7.00	.050	70	N	N	N	<10
471	47 42 33	112 49 51	852	3.0	1.50	3.00	.150	200	N	N	N	50
472	47 42 21	112 51 25	853	3.0	1.00	2.00	.200	300	N	N	N	50
CH59	47 42 11	112 52 55	854	1.0	3.00	7.00	.150	200	<.5	<200	--	15
473	47 42 7	112 52 31	854	2.0	1.50	2.00	.150	150	N	N	N	15
CH60	47 42 44	112 53 32	855	1.5	.70	.70	.300	300	<.5	<200	--	15
389	47 42 39	112 54 19	856	3.0	2.00	3.00	.300	200	N	N	N	70
406	47 42 57	112 54 26	857	2.0	1.50	1.50	.150	150	N	N	N	50
405	47 42 42	112 58 29	858	2.0	1.50	2.00	.150	150	N	N	N	50
403	47 42 27	112 59 48	859	3.0	1.50	2.00	.200	200	N	N	N	100
404	47 42 22	112 59 36	859	2.0	1.00	2.00	.150	100	N	N	N	50
216	47 42 23	113 0 36	860	1.0	3.00	5.00	.150	150	N	N	N	30
402	47 42 12	113 0 48	860	2.0	2.00	5.00	.150	200	N	N	N	50
401	47 42 11	113 2 21	861	2.0	1.00	1.00	.200	150	N	N	N	70
256	47 42 52	113 12 21	862	.7	10.00	15.00	.050	200	N	N	N	30
257	47 42 50	113 12 12	862	.7	10.00	15.00	.050	150	N	N	N	30
125	47 42 31	113 19 12	863	1.5	1.00	.10	.300	300	N	N	N	70
126	47 42 20	113 19 12	863	2.0	1.00	.20	.500	150	N	N	N	70
124	47 42 29	113 20 47	864	1.5	.70	.20	.300	150	N	N	N	70
123	47 42 16	113 21 43	865	1.5	1.00	.10	.200	150	N	N	N	50
126	47 42 16	113 22 35	866	2.0	1.50	3.00	.200	150	N	N	N	50
872	47 42 55	113 23 24	867	2.0	1.50	.20	.300	200	N	N	N	100
871	47 42 45	113 24 56	868	3.0	2.00	.20	.300	500	N	N	N	150
866	47 42 24	113 26 17	869	2.0	1.00	1.50	.200	700	N	N	N	70
867	47 42 15	113 26 16	869	1.5	1.00	.30	.200	700	N	N	N	70
868	47 42 28	113 26 3	869	1.5	.50	.20	.200	150	N	N	N	100
316	47 42 29	113 31 30	870	3.0	1.00	.07	.300	300	N	N	N	70
763	47 42 39	113 33 53	871	5.0	1.00	.70	.500	1,500	N	N	N	100
764	47 42 35	113 33 40	871	7.0	1.50	.50	.500	1,000	N	N	N	150
765	47 42 50	113 33 34	871	7.0	1.50	1.00	.700	2,000	N	N	N	70
766	47 42 56	113 33 26	871	7.0	1.50	.70	.500	1,500	N	N	N	100
767	47 42 56	113 33 8	871	7.0	1.50	.70	.700	1,500	N	N	N	150
762	47 42 31	113 34 28	872	7.0	1.00	.70	1,000	1,000	N	N	N	100
761	47 42 18	113 35 3	873	7.0	1.50	1.50	1,000	1,000	N	N	N	100

Choteau seds--continued

sample	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
897	150	1.0	N	N	<5	70	7	20	N	N	15	15
898	70	N	N	N	N	70	<5	N	N	N	5	10
129	150	<1.0	N	N	<5	10	5	<20	N	N	<5	<10
848	300	<1.0	N	N	10	30	50	20	N	N	15	10
876	1,500	3.0	N	N	15	70	50	70	N	N	30	30
878	1,500	3.0	N	N	10	70	50	70	N	N	20	20
874	1,500	3.0	N	N	5	20	50	30	N	N	10	30
875	1,500	2.0	N	N	N	15	100	20	N	N	7	15
877	1,500	3.0	N	N	7	50	50	30	N	N	15	15
873	1,500	3.0	N	N	10	20	7	30	N	N	10	30
754	300	1.0	N	N	5	70	30	30	N	N	30	50
755	300	1.0	N	N	5	30	50	20	N	N	15	20
AC2025	300	--	--	--	15	30	30	--	N	--	30	30
CH135	500	<1.0	<10	<20	<5	50	7	20	<5.0	--	7	10
CH181	50	<1.0	<10	<20	5	<10	50	<20	30.0	--	50	50
469	150	1.0	N	N	10	50	10	30	N	N	20	<10
470	20	N	N	N	<5	10	10	<20	N	N	7	<10
471	150	1.5	N	N	10	50	20	30	N	N	30	10
472	200	1.0	N	N	10	50	20	30	N	N	20	10
CH59	700	<1.0	<10	<20	5	50	7	20	<5.0	--	10	15
473	200	1.0	N	N	10	50	10	100	N	N	15	10
CH60	700	1.0	<10	<20	5	50	15	<20	<5.0	--	15	<10
389	500	1.0	N	N	10	15	50	30	N	N	20	20
406	300	1.0	N	N	7	20	100	30	N	N	10	<10
405	300	1.0	N	N	5	15	50	20	N	N	10	<10
403	700	2.0	N	N	10	20	30	30	N	N	15	10
404	300	1.0	N	N	5	15	50	20	N	N	10	<10
216	200	<1.0	N	N	7	20	10	20	N	N	15	15
402	300	1.0	N	N	10	50	50	30	N	N	15	15
401	500	1.0	N	N	5	15	50	20	N	N	10	<10
256	70	N	N	N	5	20	7	<20	N	N	15	10
257	70	N	N	N	7	15	10	<20	N	N	10	15
125	300	1.0	N	N	10	30	15	20	N	<10	15	10
126	700	1.0	N	N	15	30	10	30	N	10	15	<10
124	300	1.0	N	N	10	50	15	20	N	<10	15	<10
123	500	<1.0	N	N	10	30	7	20	N	<10	15	<10
128	300	1.0	N	N	10	20	15	30	N	<10	15	<10
872	1,000	3.0	N	N	7	50	100	50	N	N	15	15
871	1,000	3.0	N	N	10	70	30	50	N	N	20	20
866	700	1.5	N	N	5	50	50	30	N	N	20	15
867	500	2.0	N	N	5	30	50	30	N	N	15	10
868	700	2.0	N	N	N	20	50	20	N	N	15	15
316	300	1.0	N	N	20	50	10	50	N	10	30	20
763	700	1.5	N	N	10	300	70	20	N	N	200	50
764	300	1.5	N	N	15	300	50	20	N	N	300	30
765	500	1.5	N	N	15	200	100	30	N	N	150	50
766	300	1.5	N	N	15	200	50	50	N	N	200	30
767	500	1.5	N	N	15	300	50	30	N	N	300	20
762	700	1.5	N	N	15	200	70	30	N	N	150	30
761	700	1.0	N	N	10	70	70	20	N	N	30	50

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
897	N	5	N	N	70	N	N	N	15	N	.04
898	N	<5	N	N	20	N	N	N	15	N	.04
129	N	N	N	N	20	N	10	N	70	--	.04
848	N	7	N	N	150	N	30	N	500	N	.02
876	N	15	N	N	70	N	50	N	300	N	.08
878	N	15	N	N	70	N	50	N	200	N	.08
874	N	7	N	N	30	N	30	N	500	N	.06
875	N	7	N	N	30	N	30	N	300	N	.06
877	N	7	N	N	70	N	50	N	500	N	.08
873	N	7	N	N	50	N	30	N	500	N	.10
754	N	10	N	N	70	N	30	N	150	N	.06
755	N	7	N	N	70	N	15	N	150	N	.04
AC2025	--	--	N	--	70	--	20	N	--	--	--
CH135	<100	5	<10	200	70	<50	5	<200	50	--	--
CH181	<100	<5	<10	<100	100	<50	10	3,000	<10	--	--
469	N	10	N	N	30	N	15	N	30	N	.08
470	N	<5	N	N	N	N	<10	N	20	N	.16
471	N	7	N	<100	50	N	20	N	100	N	.11
472	N	7	N	N	50	N	20	N	100	N	.09
CH59	<100	5	<10	300	70	<50	7	<200	100	--	--
473	N	7	N	100	50	N	20	N	100	N	.06
CH60	<100	10	<10	200	70	<50	7	<200	200	--	--
389	N	7	N	100	70	N	20	N	150	N	.06
406	N	5	N	N	30	N	15	N	200	N	.08
405	N	5	N	N	30	N	15	N	150	N	.05
403	N	10	N	N	50	N	20	N	200	N	.05
404	N	5	N	N	30	N	15	N	150	N	.08
216	N	5	N	N	30	N	15	N	100	--	--
402	N	7	N	N	30	N	15	N	70	N	.03
401	N	7	N	N	50	N	20	N	150	N	.02
256	N	<5	N	100	15	N	<10	N	20	--	.02
257	N	<5	N	100	10	N	15	N	70	--	N
125	N	10	N	N	30	N	20	N	200	--	.02
126	N	10	N	N	50	N	30	N	200	--	.06
124	N	10	N	N	50	N	20	N	300	--	.04
123	N	7	N	N	30	N	20	N	150	--	.06
128	N	7	N	N	70	N	20	N	150	--	.04
372	N	10	N	N	30	N	50	N	300	N	.02
871	N	15	N	N	100	N	50	N	300	N	.04
866	N	7	N	N	30	N	30	N	300	--	.04
867	N	7	N	N	30	N	30	N	300	N	.06
868	N	7	N	N	70	N	30	N	500	N	.06
316	N	15	N	N	70	N	30	N	150	--	.02
763	N	15	N	N	70	N	30	N	200	--	.14
764	N	15	N	N	100	N	30	N	300	--	.14
765	N	15	N	N	150	N	30	N	200	--	.24
766	N	15	N	N	100	N	30	N	300	--	.06
767	N	15	N	N	150	N	30	N	300	--	.06
762	N	15	N	N	150	N	30	N	300	--	.16
761	N	15	N	N	150	N	30	N	500	N	.08

Choteau seds--continued

sample	latitude	longitude	MAP_NO.	S-FEX	S-MGX	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
751	47 42 17	113 37 12	874	3.0	2.00	.30	.300	700	N	N	N	150
752	47 42 10	113 37 5	874	5.0	2.00	.30	.300	700	N	N	N	150
753	47 42 7	113 37 23	874	3.0	2.00	.50	.300	700	N	N	N	150
745	47 42 52	113 40 3	875	5.0	1.50	1.00	.200	700	N	N	N	50
746	47 42 47	113 40 16	875	5.0	3.00	1.50	.300	500	N	N	N	100
747	47 42 49	113 41 3	876	3.0	2.00	1.50	.300	1,000	N	N	N	50
AMS871	47 43 40	112 37 0	877	--	--	--	--	500	N	--	--	--
1300	47 43 52	112 42 58	878	3.0	2.00	3.00	.300	300	N	N	N	70
1303	47 43 48	112 45 55	879	.7	10.00	10.00	.050	70	N	N	N	30
CH170	47 43 42	112 47 8	880	3.0	2.00	5.00	.300	300	<.5	<200	--	70
359	47 43 19	112 51 42	881	2.0	.50	.70	.300	500	N	N	N	30
CH61	47 43 49	112 53 23	882	1.0	3.00	15.00	.100	300	<.5	<200	--	20
CH68	47 43 25	112 54 37	883	2.0	1.50	3.00	.300	200	N	<200	--	20
390	47 43 38	112 54 16	883	5.0	2.00	5.00	.500	300	N	N	N	70
410	47 43 39	112 55 19	884	2.0	1.50	1.50	.200	150	N	N	N	70
361	47 43 8	112 56 32	885	1.5	3.00	5.00	.200	200	N	N	N	70
408	47 43 42	112 56 32	885	1.5	.50	.70	.200	200	N	N	N	30
409	47 43 23	112 56 10	885	2.0	1.50	2.00	.200	150	N	N	N	50
407	47 43 16	112 57 32	886	2.0	.70	1.00	.200	300	N	N	N	30
397	47 43 55	113 3 57	887	3.0	1.00	.70	.300	150	N	N	N	100
396	47 43 28	113 4 44	888	1.5	2.00	3.00	.150	100	N	N	N	100
174	47 43 16	113 5 24	889	3.0	1.50	.10	.300	300	N	N	N	70
394	47 43 22	113 5 44	889	2.0	.70	.10	.200	200	N	N	N	100
395	47 43 11	113 5 48	889	2.0	.50	.15	.200	150	N	N	N	70
127	47 43 0	113 22 35	890	2.0	1.00	.50	.300	150	N	N	N	50
847	47 43 46	113 22 33	890	3.0	2.00	5.00	.300	300	N	N	N	50
857	47 43 5	113 22 8	890	2.0	2.00	7.00	.150	200	N	N	N	50
934	47 43 52	113 25 32	891	2.0	1.00	.15	.300	300	N	N	N	100
928	47 43 10	113 27 24	892	3.0	1.50	.10	.300	300	N	N	N	150
929	47 43 0	113 27 29	892	1.5	.70	.30	.200	500	N	N	N	70
931	47 43 30	113 27 4	892	2.0	.70	.10	.200	200	N	N	N	70
780	47 43 34	113 29 57	893	5.0	1.50	.70	.500	1,500	N	N	N	150
782	47 43 1	113 29 54	893	5.0	1.50	.50	.300	1,000	N	N	N	100
783	47 43 48	113 29 44	893	5.0	1.00	.70	.700	1,000	N	N	N	100
778	47 43 35	113 30 45	894	7.0	1.50	1.00	1.000	1,500	N	N	N	150
779	47 43 25	113 30 46	894	5.0	1.50	.70	.500	1,000	N	N	N	100
781	47 43 7	113 30 4	894	3.0	1.50	.50	.300	1,000	N	N	N	70
317	47 43 17	113 31 40	895	5.0	1.00	.70	>1.000	700	N	N	N	50
768	47 43 4	113 32 29	896	7.0	1.50	.70	.300	1,000	N	N	N	150
744	47 43 38	113 39 58	897	3.0	2.00	1.50	.300	700	N	N	N	100
748	47 43 1	113 41 28	898	5.0	3.00	2.00	.300	700	N	N	N	70
749	47 43 8	113 42 32	899	5.0	3.00	1.50	.300	700	N	N	N	70
750	47 43 3	113 43 38	900	3.0	3.00	2.00	.300	700	N	N	N	100
728	47 43 2	113 44 50	901	3.0	3.00	1.50	.300	300	N	N	N	70
1301	47 44 10	112 43 2	902	3.0	2.00	7.00	.200	300	N	N	N	70
1302	47 44 1	112 43 14	902	3.0	3.00	5.00	.300	500	N	N	N	50
1304	47 44 3	112 44 24	903	3.0	2.00	5.00	.300	500	N	N	N	70
CH168	47 44 7	112 45 19	904	2.0	2.00	7.00	.200	300	<.5	<200	--	30
1305	47 44 7	112 45 19	904	5.0	2.00	5.00	.300	700	N	N	N	70
1306	47 44 2	112 45 23	904	3.0	1.50	3.00	.300	500	N	N	N	70

sample	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
751	500	1.0	N	N	5	30	15	30	N	N	30	20
752	500	1.0	N	N	10	50	15	20	N	N	50	10
753	300	1.0	N	N	5	50	20	30	N	N	20	70
745	500	1.5	N	N	5	20	30	20	N	N	15	70
746	300	1.5	N	N	7	15	10	20	N	N	15	10
747	700	1.5	N	N	5	20	20	30	N	N	20	20
AMS871	300	--	--	--	N	70	20	--	--	--	20	15
1300	500	1.5	N	N	7	70	30	30	N	N	30	30
1303	50	<1.0	N	N	N	30	10	N	N	N	10	20
CH170	300	1.0	<10	<20	15	70	20	50	<5.0	--	20	30
359	700	1.0	N	N	15	30	20	20	N	<10	50	20
CH61	300	<1.0	<10	<20	<5	50	7	<20	<5.0	--	10	15
CH68	500	1.0	<10	<20	5	30	10	20	N	--	10	N
390	500	1.0	N	N	15	20	70	20	N	N	30	20
410	300	1.0	N	N	7	30	30	30	N	N	15	<10
361	300	1.0	N	N	10	20	15	30	N	<10	20	20
408	500	1.0	N	N	<5	10	20	20	N	N	10	<10
409	300	1.0	N	N	5	10	100	20	N	N	15	<10
407	300	1.0	N	N	10	20	30	20	N	N	15	10
397	300	1.5	N	N	7	20	30	30	N	N	15	<10
396	300	1.0	N	N	5	10	15	20	N	N	10	10
174	500	1.0	N	N	15	50	10	50	N	<10	15	<10
394	700	1.5	N	N	5	20	15	30	N	N	10	N
395	500	2.0	N	N	7	15	20	30	N	N	10	N
127	200	<1.0	N	N	10	20	10	20	N	N	15	<10
847	700	<1.0	N	N	5	30	70	20	N	N	15	10
857	200	<1.0	N	N	5	30	50	20	N	N	15	<10
934	700	3.0	N	N	5	50	30	50	N	N	15	10
928	300	2.0	N	N	10	70	15	30	N	N	20	N
929	700	3.0	N	N	N	70	10	30	N	N	30	10
931	300	3.0	N	N	5	70	20	30	N	N	30	N
780	500	1.5	N	N	15	70	70	30	N	N	20	30
782	700	1.5	N	N	10	300	70	20	N	N	150	30
783	500	1.0	N	N	15	100	70	30	N	N	70	10
778	500	1.0	N	N	15	150	70	30	N	N	70	30
779	500	1.5	N	N	10	50	70	30	N	N	15	30
781	700	1.5	N	N	5	50	70	50	N	N	20	50
317	500	<1.0	N	N	30	50	30	30	N	10	30	20
768	500	1.0	N	N	15	300	50	30	N	N	300	20
744	300	1.5	N	N	10	50	30	20	N	N	20	50
748	700	1.5	N	N	5	20	20	30	N	N	15	30
749	500	1.0	N	N	5	30	10	30	N	N	20	30
750	500	1.0	N	N	5	70	10	20	N	N	70	30
728	500	3.0	N	N	5	30	20	30	N	N	20	30
1301	300	1.0	N	N	5	70	30	20	N	N	20	20
1302	500	1.5	N	N	5	50	30	30	N	N	30	20
1304	700	1.5	N	N	5	70	30	30	N	N	30	15
CH168	200	1.0	<10	<20	10	50	20	20	5.0	--	30	20
1305	700	1.5	N	N	7	70	30	30	N	N	30	15
1306	700	2.0	N	N	5	50	20	30	N	N	30	10

Choteau seds---continued

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
751	N	10	N	N	50	N	15	N	150	N	.04
752	N	10	N	N	50	N	20	N	200	N	.04
753	N	7	N	N	50	N	20	N	150	N	.06
745	N	7	N	N	30	N	20	N	150	--	.16
746	N	10	N	N	50	N	20	N	200	N	.06
747	N	7	N	N	50	N	100	N	150	N	.06
AMS871	--	--	N	--	200	--	10	N	--	--	--
1300	N	10	N	100	100	N	20	N	150	N	.06
1303	N	<5	N	<100	15	N	<10	N	15	N	.04
CH170	<100	5	<10	200	70	<50	10	<200	200	--	--
359	N	10	N	200	100	N	20	N	150	--	.04
CH61	<100	<5	<10	300	50	<50	5	<200	50	--	--
CH68	<100	<5	N	200	100	<50	10	N	150	--	--
390	N	15	N	100	150	N	20	N	500	N	.10
410	N	10	N	<100	70	N	20	N	150	N	.11
361	N	7	N	100	30	N	15	N	100	--	.08
408	N	7	N	100	50	N	15	N	150	N	.10
409	N	7	N	N	50	N	15	N	150	--	.09
407	N	7	N	N	70	N	15	N	150	N	.14
397	N	7	N	N	50	N	15	N	100	N	.11
396	N	5	N	N	30	N	20	N	200	--	.02
174	N	10	N	N	50	N	70	N	200	N	.10
394	N	7	N	N	30	N	20	N	150	N	.16
395	N	7	N	N	30	N	20	N	200	N	.03
127	N	7	N	N	100	N	30	N	500	N	<.02
847	N	7	N	<100	50	N	15	N	150	N	<.02
857	N	5	N	<100	50	N	30	N	300	N	.08
934	N	15	N	N	50	N	30	N	300	N	.02
928	N	15	N	N	70	N	30	N	300	N	.08
929	N	15	N	N	50	N	30	N	300	N	.06
931	N	7	N	N	50	N	30	N	300	--	.06
780	N	15	N	N	50	N	30	N	200	N	.06
782	N	10	N	N	70	N	20	N	300	--	.06
783	N	15	N	N	100	N	30	N	300	--	.08
778	N	15	N	N	150	N	30	N	300	--	.06
779	N	15	N	N	100	N	30	N	300	N	.06
781	N	7	N	N	70	N	30	N	150	N	.02
317	N	20	N	N	300	N	50	N	200	--	.08
768	N	15	N	N	100	N	30	N	300	--	.08
744	N	10	N	N	50	N	20	N	150	N	.04
748	N	7	N	N	50	N	15	N	150	N	.04
749	N	7	N	N	20	N	15	N	150	N	.04
750	N	10	N	N	50	N	20	N	300	N	.06
728	N	10	N	N	70	N	30	N	100	N	.02
1301	N	7	N	150	100	N	20	N	100	N	.02
1302	N	7	N	150	100	N	20	N	100	N	.02
1304	N	10	N	150	100	N	20	N	150	N	.04
CH168	<100	5	<10	100	70	<50	10	<200	150	--	--
1305	N	10	N	150	100	N	20	N	200	N	.02
1306	N	10	N	150	100	N	20	N	150	N	.02

sample	latitude	longitude	MAP_NO.	S-FEX	S-MGZ	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
360	47 44 11	112 50 39	905	1.5	5.00	15.00	.150	500	N	N	N	30
530	47 44 0	112 52 40	906	2.0	3.00	7.00	.150	300	N	N	N	30
CH62	47 44 2	112 53 53	907	1.5	.50	1.00	.300	200	<.5	<200	--	10
CH63	47 44 34	112 53 54	907	.7	3.00	10.00	.100	150	N	<200	--	15
391	47 44 27	112 54 37	908	2.0	1.50	3.00	.200	300	N	N	N	70
392	47 44 56	112 54 56	908	3.0	1.50	2.00	.300	300	N	N	N	70
175	47 44 55	113 1 27	909	2.0	1.50	5.00	.300	300	N	N	N	50
400	47 44 32	113 1 39	909	2.0	.70	.70	.200	100	N	N	N	70
460	47 44 54	113 1 17	909	1.5	.70	1.50	.100	200	N	N	N	50
398	47 44 10	113 2 42	910	2.0	1.00	.70	.200	150	N	N	N	70
399	47 44 28	113 2 16	910	1.5	.50	1.00	.150	200	N	N	N	50
899	47 44 11	113 11 38	911	3.0	2.00	1.50	.300	300	N	N	N	70
237	47 44 14	113 12 0	912	1.0	7.00	10.00	.150	300	N	N	N	50
863	47 44 0	113 20 57	913	3.0	1.50	.50	.300	700	N	N	N	100
864	47 44 8	113 20 40	913	1.5	.70	.10	.200	200	N	N	N	70
244	47 44 48	113 22 58	914	1.5	2.00	10.00	.300	150	N	N	N	50
840	47 44 8	113 22 57	914	3.0	2.00	7.00	.500	500	N	N	N	100
865	47 44 0	113 22 9	914	3.0	2.00	5.00	.300	300	N	N	N	50
323	47 44 27	113 24 12	915	1.5	.70	.15	.200	150	N	N	N	50
841	47 44 9	113 24 47	915	1.5	1.50	1.50	.300	500	N	N	N	70
935	47 44 9	113 24 47	915	2.0	1.00	.10	.150	150	N	N	N	70
936	47 44 18	113 24 47	915	3.0	1.00	3.00	.300	500	.7	N	N	50
933	47 44 2	113 25 31	916	3.0	1.50	.15	.200	300	N	N	N	100
315	47 44 25	113 29 42	917	3.0	1.00	.30	.700	700	N	N	N	100
784	47 44 25	113 29 42	917	5.0	1.50	.70	1.000	1,000	N	N	N	100
313	47 44 59	113 31 48	918	3.0	1.50	.10	.500	500	N	N	N	70
1327	47 45 18	112 40 30	919	3.0	2.00	5.00	.300	300	N	N	N	50
329	47 45 47	112 50 55	920	1.5	2.00	15.00	.100	150	N	N	N	30
441	47 45 52	112 50 18	920	3.0	2.00	3.00	.300	500	N	N	N	70
136	47 45 41	112 52 36	921	1.5	5.00	20.00	.100	200	N	N	N	50
442	47 45 41	112 52 2	921	2.0	3.00	10.00	.100	200	N	N	N	20
443	47 45 55	112 52 51	921	3.0	1.00	1.50	.300	500	N	N	N	30
444	47 45 29	112 53 45	922	2.0	5.00	10.00	.150	300	N	N	N	30
393	47 45 35	112 55 34	923	3.0	1.50	2.00	.300	200	N	N	N	70
464	47 45 47	112 57 36	924	2.0	.50	.30	.300	200	N	N	N	20
462	47 45 26	112 58 46	925	1.5	.50	.30	.150	150	N	N	N	15
463	47 45 31	112 58 44	925	3.0	.70	.70	1.000	500	N	N	N	50
461	47 45 13	112 59 58	926	2.0	.50	.20	.150	150	N	N	N	30
561	47 45 42	113 6 33	927	1.0	.50	.20	.200	300	N	N	N	100
562	47 45 29	113 6 46	927	3.0	1.50	.30	.300	1,000	N	N	N	150
563	47 45 30	113 7 2	928	2.0	1.50	.20	.300	1,000	N	N	N	150
900	47 45 3	113 10 55	929	3.0	2.00	.15	.300	300	N	N	N	100
901	47 45 22	113 13 5	930	1.0	3.00	7.00	.100	150	N	N	N	50
239	47 45 25	113 17 38	931	2.0	1.50	.50	.300	150	N	N	N	30
240	47 45 34	113 17 47	931	1.5	1.50	2.00	.200	200	N	N	N	30
241	47 45 31	113 18 44	932	1.5	1.50	1.00	.200	300	N	N	N	50
242	47 45 35	113 18 34	932	1.5	1.00	.10	.300	150	N	N	N	50
879	47 45 37	113 19 3	933	3.0	2.00	1.00	.300	700	N	N	N	150
880	47 45 41	113 19 41	933	2.0	2.00	2.00	.200	300	N	N	N	100
881	47 45 24	113 20 15	934	3.0	1.50	.70	.300	500	N	N	N	100

Chateau seds--continued

sample	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
360	300	<1.0	N	N	10	30	15	20	N	<10	30	15
530	300	<1.0	N	N	10	30	20	30	N	N	20	15
CH62	1,000	1.0	<10	<20	5	50	7	30	<5.0	--	15	<10
CH63	500	1.0	<10	<20	<5	30	10	20	N	--	7	15
391	500	1.0	N	N	10	20	70	20	N	N	15	10
392	700	1.0	N	N	10	20	30	30	N	N	20	15
175	700	<1.0	N	N	15	50	30	30	N	<10	20	20
400	500	1.5	N	N	5	15	30	20	N	N	15	<10
460	300	1.0	N	N	10	30	20	30	N	N	15	10
398	500	1.0	N	N	5	10	30	30	N	N	10	<10
399	700	1.0	N	N	<5	10	30	20	N	N	10	<10
899	500	1.5	N	N	15	70	15	50	N	N	30	10
237	70	<1.0	N	N	7	30	15	20	N	N	15	15
863	700	2.0	N	N	15	70	70	50	N	<20	30	15
864	500	1.5	N	N	<5	20	50	30	N	N	7	10
244	200	<1.0	N	N	7	15	15	30	N	<10	15	10
840	200	<1.0	N	N	10	30	20	30	N	N	10	10
865	500	1.0	N	N	5	20	50	30	N	N	10	10
323	200	<1.0	N	N	7	15	N	30	N	<10	15	15
841	500	1.0	N	N	5	30	30	20	N	N	10	<10
935	700	2.0	N	N	5	15	30	30	N	N	15	10
936	700	3.0	N	N	15	150	500	50	N	N	30	15
933	700	2.0	N	N	10	70	30	30	N	N	30	15
315	500	1.0	N	N	20	100	15	50	N	10	20	20
784	700	1.0	N	N	15	50	70	20	N	10	20	20
313	500	1.0	N	N	15	50	10	50	N	N	30	10
1327	200	1.5	N	N	7	70	30	30	N	N	15	15
329	200	N	N	N	7	30	10	<20	N	N	30	15
441	200	1.5	N	N	15	30	30	20	N	<10	20	15
136	100	<1.0	N	N	5	30	50	30	N	N	20	15
442	200	<1.0	N	N	<5	30	20	<20	N	N	15	10
443	500	2.0	N	N	10	30	50	30	N	N	20	10
444	200	1.0	N	N	5	20	30	20	N	N	15	10
393	700	1.0	N	N	10	50	30	30	N	N	20	15
464	150	<1.0	N	N	7	15	30	20	N	N	10	<10
462	200	1.0	N	N	5	15	15	20	N	N	10	<10
463	300	<1.0	N	N	15	30	50	30	N	N	15	15
461	200	1.0	N	N	7	20	30	30	N	N	15	10
561	1,000	2.0	N	N	N	N	50	N	N	N	5	20
562	1,500	3.0	N	N	5	20	20	N	N	N	15	20
563	1,000	3.0	N	N	N	20	30	N	N	N	10	20
900	700	1.5	N	N	15	50	10	30	N	N	15	N
901	70	<1.0	N	N	N	70	7	N	N	N	15	10
239	500	1.0	N	N	15	50	20	30	N	<10	20	15
240	300	<1.0	N	N	10	30	20	30	N	<10	20	10
241	300	1.5	N	N	10	30	30	50	N	10	20	10
242	200	1.0	N	N	10	50	20	30	N	10	20	15
879	700	3.0	N	N	10	70	50	100	N	N	30	50
880	1,000	2.0	N	N	10	50	50	20	N	N	15	15
881	700	2.0	N	N	20	100	70	70	N	N	70	30

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
360	N	7	N	200	50	N	15	N	50	--	.04
530	N	7	N	100	70	N	15	N	70	N	.10
CH62	<100	5	<10	150	100	<50	7	<200	150	--	--
CH63	<100	<5	N	300	50	<50	<10	N	70	--	--
391	N	7	N	100	70	N	20	N	150	N	.14
392	N	10	N	N	70	N	15	N	200	N	.14
175	N	7	N	N	50	N	15	N	150	--	.02
400	N	5	N	N	30	N	20	N	200	N	.08
460	N	7	N	<100	30	N	15	N	100	N	.10
398	N	5	N	N	30	N	20	N	150	N	.03
399	N	5	N	N	30	N	10	N	150	N	.04
899	N	15	N	N	100	N	30	N	300	N	.04
237	N	7	N	100	20	N	15	N	50	--	N
863	N	15	N	N	70	N	50	N	300	N	.08
864	N	5	N	N	30	N	30	N	200	N	.02
244	N	7	N	100	30	N	20	N	150	--	.03
840	N	7	N	N	150	N	30	N	300	N	.02
865	N	10	N	100	70	N	30	N	200	N	.06
323	N	7	N	N	50	N	15	N	200	--	N
841	N	7	N	N	30	N	30	N	300	N	.04
935	N	7	N	N	30	N	20	N	200	N	.02
936	N	15	N	N	70	N	30	N	200	N	.24
933	N	7	N	N	50	N	30	N	200	--	.08
315	N	15	N	N	150	N	30	N	200	--	N
784	N	15	N	N	150	N	50	N	300	N	.06
313	N	10	N	N	100	N	30	N	200	--	N
1327	N	10	N	100	100	N	20	N	100	--	.06
329	N	5	N	200	30	N	15	N	20	--	.03
441	N	10	N	<100	100	N	20	N	100	--	.06
136	N	5	N	500	30	N	20	N	70	--	.03
442	N	7	N	150	50	N	15	N	50	N	.08
443	N	10	N	100	150	N	20	N	200	N	.26
444	N	7	N	100	70	N	15	N	70	N	.06
393	N	10	N	N	70	N	20	N	150	N	.14
464	N	7	N	N	70	N	15	N	150	N	.10
462	N	5	N	N	30	N	10	N	100	N	.10
463	N	15	N	<100	150	N	20	N	300	N	.10
461	N	7	N	N	30	N	15	N	150	N	.10
561	N	5	N	N	20	N	10	N	200	N	.06
562	N	10	N	N	70	N	30	N	200	--	.06
563	N	10	N	N	50	N	30	N	150	N	.07
900	N	10	N	N	70	N	30	N	150	N	.04
901	N	5	N	N	70	N	N	N	50	N	.02
239	N	10	N	N	50	N	30	N	200	--	.02
240	N	7	N	N	30	N	30	N	150	--	N
241	N	10	N	N	30	N	30	N	150	--	N
242	N	7	N	N	50	N	20	N	200	--	N
879	N	15	N	N	100	N	50	N	300	N	.08
880	N	10	N	<100	70	N	30	N	500	N	.02
881	N	15	N	N	150	N	30	N	200	N	.02

Choteau seds---continued

sample	latitude	longitude	MAP_NO.	S-FEX	S-MGX	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
882	47 45 34	113 20 10	934	2.0	2.00	2.00	.200	200	N	N	N	100
883	47 45 28	113 20 45	934	3.0	2.00	7.00	.300	500	N	N	N	100
884	47 45 10	113 20 40	934	2.0	1.50	.50	.200	150	N	N	N	100
885	47 45 12	113 21 7	935	2.0	2.00	3.00	.200	200	N	N	N	100
887	47 45 1	113 21 51	935	2.0	2.00	5.00	.200	200	N	N	N	100
842	47 45 14	113 23 50	936	3.0	3.00	5.00	.500	300	N	N	N	70
311	47 45 32	113 29 52	937	3.0	1.00	.15	.500	500	N	N	N	70
776	47 45 19	113 31 49	938	3.0	1.00	.70	.300	1,000	N	N	N	100
777	47 45 6	113 31 4	938	5.0	1.50	.70	.500	1,000	N	N	N	150
775	47 45 6	113 33 11	939	5.0	1.50	.50	.300	1,000	N	N	N	100
314	47 45 6	113 34 26	940	3.0	1.00	.07	.500	500	N	N	N	100
773	47 45 11	113 35 33	941	1.5	.50	.70	.200	1,000	N	N	N	70
774	47 45 2	113 35 18	941	5.0	1.50	.50	.300	1,000	N	N	N	100
771	47 45 30	113 36 25	942	5.0	1.50	.70	.300	1,500	N	N	N	100
772	47 45 25	113 36 43	942	5.0	1.50	1.00	.300	1,500	N	N	N	150
770	47 45 51	113 37 7	943	5.0	1.50	.50	.300	1,500	N	N	N	100
729	47 45 30	113 42 23	944	3.0	3.00	.70	.300	500	N	N	N	70
AMS870	47 46 20	112 37 20	945	--	--	--	--	500	N	--	--	--
1311	47 46 30	112 44 30	946	5.0	1.50	3.00	.300	700	N	N	N	70
1312	47 46 36	112 44 23	946	5.0	2.00	5.00	.300	700	N	N	N	70
1313	47 46 17	112 44 15	946	5.0	1.50	3.00	.500	500	N	N	N	70
1309	47 46 10	112 45 22	947	5.0	2.00	3.00	.300	700	N	N	N	100
1310	47 46 39	112 45 15	947	5.0	2.00	3.00	.300	700	N	N	N	70
138	47 46 7	112 48 58	948	2.0	1.50	5.00	.300	300	N	N	N	100
137	47 46 23	112 49 2	949	1.0	3.00	15.00	.150	200	N	N	N	50
439	47 46 16	112 49 45	949	3.0	7.00	10.00	.050	70	N	N	N	15
440	47 46 8	112 50 19	950	3.0	2.00	3.00	.200	500	N	N	N	70
445	47 46 22	112 54 54	951	3.0	1.00	1.50	.300	300	N	N	N	50
CH65	47 46 58	112 55 6	952	2.0	2.00	5.00	.500	200	N	<200	--	20
450	47 46 58	112 55 41	952	3.0	.70	.70	.300	300	N	N	N	50
456	47 46 30	112 55 22	952	2.0	1.00	1.50	.200	200	N	N	N	50
176	47 46 3	112 56 23	953	3.0	1.00	2.00	.700	700	N	N	N	70
465	47 46 4	112 56 37	953	2.0	.50	.30	.300	200	N	N	N	50
466	47 46 11	112 56 32	953	2.0	.50	.70	.200	200	N	N	N	20
299	47 46 52	112 57 37	954	2.0	1.50	5.00	.300	500	N	N	N	50
564	47 46 12	113 6 42	955	3.0	1.00	.20	.300	300	N	N	N	150
565	47 46 18	113 7 0	956	2.0	1.50	.30	.300	200	N	N	N	150
566	47 46 22	113 7 14	956	2.0	1.50	.20	.200	300	N	N	N	200
843	47 46 5	113 23 48	957	2.0	2.00	5.00	.300	200	N	N	N	70
309	47 46 1	113 29 39	958	3.0	1.00	.30	.700	500	N	N	N	50
961	47 46 30	113 29 30	958	3.0	1.50	1.00	.500	700	N	N	N	70
962	47 46 30	113 29 11	958	3.0	1.00	.70	.300	500	N	N	N	70
960	47 46 45	113 30 19	959	2.0	1.00	.70	.200	500	N	N	N	70
958	47 46 45	113 32 8	960	1.0	.20	.20	.100	300	N	N	N	30
723	47 46 11	113 41 19	961	3.0	3.00	1.50	.300	200	N	N	N	100
724	47 46 24	113 41 4	961	3.0	2.00	.50	.200	200	N	N	N	70
725	47 46 39	113 41 37	961	3.0	3.00	15.00	.300	300	N	N	N	100
726	47 46 26	113 42 39	962	3.0	3.00	7.00	.500	500	N	N	N	100
727	47 46 15	113 43 38	963	3.0	3.00	10.00	.300	300	N	N	N	150
446	47 47 58	112 53 29	964	3.0	3.00	7.00	.200	300	N	N	N	30

sample	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
882	1,000	2.0	N	N	10	50	50	30	N	N	20	15
883	700	3.0	N	N	15	100	30	50	N	N	30	30
884	1,000	3.0	N	N	7	50	70	30	N	N	15	10
885	700	2.0	N	N	7	50	30	50	N	N	15	15
887	1,000	2.0	N	N	7	70	10	50	N	N	20	150
842	300	1.0	N	N	5	30	30	20	N	N	7	<10
311	500	1.0	N	N	20	50	15	50	N	10	20	20
776	500	1.5	N	N	7	70	30	30	N	N	20	30
777	500	1.5	N	N	10	100	50	50	N	N	30	30
775	500	1.5	N	N	7	70	50	30	N	N	30	30
314	500	1.0	N	N	20	70	10	50	N	10	20	20
773	300	1.5	N	N	5	15	30	30	N	N	10	30
774	500	1.5	N	N	10	70	70	20	N	N	50	50
771	500	1.5	N	N	10	70	70	30	N	N	50	50
772	500	1.5	N	N	10	70	70	20	N	N	30	70
770	500	1.0	N	N	10	150	50	30	N	N	70	50
729	300	2.0	N	N	10	30	20	30	N	N	30	30
AMS870	500	--	--	--	15	150	30	--	N	--	30	20
1311	500	2.0	N	N	7	100	50	30	N	N	30	20
1312	1,500	1.5	N	N	7	100	50	30	N	N	30	20
1313	500	2.0	N	N	7	70	30	30	N	N	30	20
1309	500	2.0	N	N	7	100	50	30	N	N	30	20
1310	500	2.0	N	N	10	70	50	30	N	N	50	20
138	500	1.0	N	N	20	100	20	70	N	10	50	20
137	100	<1.0	N	N	5	30	15	20	N	<10	15	15
439	20	N	N	N	N	10	20	N	N	N	10	10
440	200	1.5	N	N	15	30	30	20	N	N	20	10
445	1,500	1.5	N	N	10	30	30	30	N	N	20	10
CH65	700	1.0	<10	<20	7	70	10	20	N	--	15	N
450	700	1.5	N	N	10	50	20	30	N	N	20	15
456	300	1.0	N	N	10	50	15	30	N	N	20	15
176	700	<1.0	N	N	20	50	30	30	N	10	20	10
465	300	1.0	N	N	7	20	20	20	N	N	10	10
466	300	1.0	N	N	10	20	15	20	N	N	10	10
299	500	<1.0	N	N	10	20	30	20	N	<10	20	20
564	700	2.0	N	N	5	50	30	N	N	10	15	<10
565	500	2.0	N	N	5	50	20	N	N	10	15	20
566	1,000	3.0	N	N	5	20	50	50	N	N	10	20
843	200	<1.0	N	N	5	30	20	20	N	N	10	N
309	700	<1.0	N	N	20	50	15	30	N	<10	20	20
961	700	2.0	N	N	15	70	70	30	N	N	20	10
962	700	3.0	N	N	10	70	30	30	N	N	20	10
960	1,000	2.0	N	N	5	70	20	30	N	N	15	15
958	700	3.0	N	N	N	200	20	<20	N	N	7	10
723	300	1.5	N	N	5	30	10	30	N	N	30	30
724	150	1.0	N	N	5	30	5	N	N	N	15	30
725	300	1.5	N	N	5	30	30	20	N	N	30	30
726	500	2.0	N	N	15	50	20	30	N	N	30	30
727	500	3.0	N	N	10	30	15	50	N	N	30	30
446	300	1.0	N	N	10	20	30	20	N	N	20	10

Choteau sedg--continued

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
882	N	7	N	N	70	N	30	N	300	N	.06
883	N	10	N	150	100	N	50	N	200	N	.06
884	N	7	N	N	70	N	50	N	300	N	.08
885	N	7	N	N	70	N	30	N	300	N	.04
887	N	10	N	N	70	N	30	N	300	N	.10
842	N	5	N	N	150	N	30	N	300	N	<.02
311	N	15	N	N	150	N	20	N	200	N	.02
776	N	15	N	N	70	N	30	N	200	N	.08
777	N	15	N	N	70	N	30	N	200	N	.06
775	N	15	N	N	70	N	30	N	200	N	.10
314	N	15	N	N	100	N	30	N	200	N	.02
773	N	10	N	N	20	N	30	N	100	N	.14
774	N	15	N	N	70	N	30	N	300	N	.08
771	N	15	N	N	70	N	50	N	300	N	.20
772	N	10	N	N	70	N	50	N	300	N	.20
770	N	10	N	N	70	N	30	N	300	N	.06
729	N	15	N	N	70	N	70	N	300	N	.12
AMS870	--	--	N	--	300	--	15	N	--	--	--
1311	N	15	N	100	150	N	20	N	150	N	.04
1312	N	15	N	100	100	N	20	N	150	N	.02
1313	N	15	N	100	150	N	30	N	200	N	.02
1309	N	15	N	150	150	N	20	N	200	N	.02
1310	N	15	N	100	150	N	20	N	150	N	.02
138	N	20	N	150	100	N	30	N	150	N	.03
137	N	5	N	300	30	N	15	N	150	N	.03
439	N	N	N	<100	15	N	<10	N	15	N	.05
440	N	10	N	<100	100	N	20	N	100	N	.06
445	N	10	N	100	150	N	20	N	150	N	.08
CH65	<100	7	N	200	150	<50	<10	N	150	N	--
450	N	10	N	100	100	N	20	N	200	N	.10
456	N	10	N	<100	100	N	15	N	150	N	.08
176	N	15	N	<100	200	N	30	N	150	N	.06
465	N	10	N	N	70	N	15	N	150	N	.06
466	N	10	N	N	50	N	15	N	100	N	.05
299	N	10	N	<100	150	N	15	N	100	N	.22
564	N	5	N	N	70	N	30	N	200	N	.02
565	N	10	N	N	70	N	30	N	300	N	.06
566	N	5	N	N	50	N	30	N	150	N	.04
843	N	7	N	<100	70	N	20	N	150	N	<.02
309	N	15	N	N	150	N	20	N	150	N	.02
961	N	15	N	N	150	N	30	N	300	N	.12
962	N	10	N	N	70	N	30	N	200	N	.10
960	N	7	N	N	30	N	30	N	200	N	.10
958	N	7	N	N	30	N	20	N	70	N	.18
723	N	10	N	N	70	N	30	N	200	N	.08
724	N	5	N	N	70	N	20	N	100	N	.06
725	N	15	N	N	70	N	50	N	200	N	.10
726	N	15	N	N	100	N	70	N	300	N	.08
727	N	10	N	N	70	N	200	N	200	N	.08
446	N	7	N	100	100	N	15	N	100	N	.10

sample	latitude	longitude	MAP_NO.	S-FEX	S-MGX	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
324	47 47 14	112 54 17	965	1.5	7.00	10.00	.150	200	N	N	N	20
CH64	47 47 6	112 55 24	966	1.5	2.00	5.00	.200	100	N	<200	--	20
449	47 47 50	112 55 5	966	2.0	.70	.50	.300	300	N	N	N	30
CH66	47 47 49	112 56 30	967	2.0	.50	1.00	.700	300	N	<200	--	<10
517	47 47 6	112 58 11	968	3.0	.70	2.00	.300	300	N	N	N	70
467	47 47 50	112 59 57	969	2.0	.70	.70	.150	200	N	N	N	50
468	47 47 36	112 59 47	969	1.5	.50	.70	.200	150	N	N	N	30
567	47 47 6	113 6 53	970	2.0	1.50	.30	.300	200	N	N	N	100
556	47 47 11	113 10 51	971	5.0	2.00	1.00	.500	500	N	N	N	150
838	47 47 39	113 21 56	972	7.0	1.50	15.00	.500	700	N	N	N	70
839	47 47 45	113 23 13	973	3.0	1.50	10.00	.300	500	N	N	N	70
245	47 47 1	113 24 7	974	1.5	3.00	7.00	.300	200	N	N	N	50
844	47 47 13	113 24 34	974	2.0	1.50	5.00	.200	150	N	N	N	70
804	47 47 12	113 29 25	975	15.0	1.50	1.00	>1.000	1,500	N	N	N	70
AMS869	47 48 30	112 33 20	976	--	--	--	--	500	N	--	--	--
1325	47 48 52	112 41 59	977	3.0	1.50	3.00	.300	300	N	N	N	70
1326	47 48 38	112 42 5	978	5.0	1.50	2.00	.500	500	N	N	N	70
438	47 48 56	112 50 54	979	2.0	1.50	1.50	.200	300	N	N	N	30
139	47 48 21	112 52 12	980	1.5	5.00	15.00	.150	200	N	N	N	30
540	47 48 33	112 54 43	981	2.0	1.50	3.00	.300	500	N	N	N	50
541	47 48 5	112 54 35	981	2.0	1.50	2.00	.300	500	N	N	N	50
447	47 48 19	112 56 57	982	3.0	.50	.30	.200	300	N	N	N	50
448	47 48 26	112 56 35	982	3.0	.70	.50	.300	200	N	N	N	70
288	47 48 45	113 6 25	983	.7	7.00	20.00	.100	150	N	N	N	30
289	47 48 42	113 6 37	983	1.5	.70	.15	.300	200	N	N	N	70
544	47 48 4	113 6 53	983	2.0	1.00	.10	.200	300	N	N	N	100
545	47 48 1	113 6 42	983	2.0	1.50	.30	.300	300	N	N	N	150
546	47 48 31	113 6 48	983	1.5	.50	.10	.200	150	N	N	N	70
557	47 48 29	113 10 43	984	5.0	2.00	.20	.500	300	N	N	N	150
558	47 48 38	113 10 58	984	5.0	2.00	2.00	.300	300	N	N	N	100
833	47 48 35	113 18 45	985	5.0	1.50	.70	.300	500	N	N	N	70
834	47 48 23	113 18 29	985	3.0	1.00	.30	.300	500	N	N	N	70
835	47 48 18	113 18 40	985	7.0	1.50	.50	.500	700	N	N	N	70
246	47 48 41	113 20 56	986	.2	10.00	20.00	.020	70	N	N	N	15
836	47 48 35	113 20 6	986	3.0	1.50	1.50	.300	300	N	N	N	100
837	47 48 56	113 20 55	986	1.5	2.00	15.00	.150	700	N	N	N	20
247	47 48 30	113 21 4	987	1.5	.70	1.00	.500	200	N	N	N	50
845	47 48 33	113 24 53	988	1.5	2.00	5.00	.200	200	N	N	N	50
307	47 48 44	113 27 12	989	3.0	1.50	1.00	1.000	700	N	N	N	100
790	47 48 53	113 27 41	989	3.0	1.50	.30	.300	500	N	N	N	70
308	47 48 3	113 29 7	990	3.0	1.00	1.00	1.000	700	N	N	N	70
803	47 48 13	113 29 31	990	5.0	1.50	.50	.700	700	N	N	N	70
722	47 48 36	113 42 29	991	3.0	3.00	3.00	.300	300	N	N	N	100
721	47 48 53	113 43 33	992	3.0	3.00	1.50	.300	300	N	N	N	100
720	47 48 51	113 44 20	993	3.0	3.00	.70	.300	300	N	N	N	70
719	47 48 39	113 45 42	994	3.0	3.00	10.00	.500	300	N	N	N	100
140	47 49 10	112 50 17	995	3.0	3.00	5.00	.300	300	N	N	N	50
533	47 49 49	112 52 20	996	3.0	2.00	3.00	.300	300	N	N	N	50
325	47 49 24	112 53 31	997	3.0	3.00	7.00	.300	300	N	N	N	100
141	47 49 20	112 54 58	998	1.5	1.50	2.00	.300	200	N	N	N	50

Choteau seds--continued

sample	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
324	150	<1.0	N	N	7	30	10	<20	N	N	15	15
CH64	500	<1.0	<10	<20	5	50	7	<20	N	--	10	N
449	500	1.0	N	N	10	30	30	20	N	N	15	10
CH66	1,000	1.0	<10	<20	10	50	15	50	N	--	15	N
517	500	1.0	N	N	10	70	15	30	N	N	20	15
467	300	1.5	N	N	10	30	20	30	N	N	15	10
468	300	1.0	N	N	7	20	20	50	N	N	7	<10
567	700	2.0	N	N	5	20	30	N	N	10	15	20
556	1,500	2.0	N	N	10	70	30	50	N	10	30	20
838	300	1.0	N	N	20	150	50	30	N	N	50	15
839	300	2.0	N	N	5	50	50	30	N	N	15	15
245	150	<1.0	N	N	10	20	10	20	N	<10	15	10
844	300	<1.0	N	N	5	30	20	20	N	N	10	10
804	700	<1.0	N	N	20	30	70	20	N	<20	20	<10
AMS869	500	--	--	--	N	50	10	--	N	--	20	10
1325	200	1.5	N	N	7	70	20	30	N	N	30	10
1326	300	2.0	N	N	7	100	30	30	N	N	30	15
438	300	1.0	N	N	10	70	30	<20	N	N	20	10
139	200	<1.0	N	N	10	50	15	20	N	<10	20	10
540	500	15.0	N	N	5	20	10	<20	N	N	20	10
541	700	1.5	N	N	5	20	30	50	N	N	30	10
447	500	1.0	N	N	15	50	20	30	N	N	20	15
448	700	1.5	N	N	10	70	30	30	N	N	20	20
288	50	<1.0	N	N	N	20	<5	N	N	N	7	10
289	500	1.5	N	N	15	30	10	50	N	<10	20	10
544	700	2.0	N	N	N	N	20	N	N	N	10	10
545	700	2.0	N	N	5	20	20	50	N	N	20	10
546	500	1.0	N	N	N	N	20	N	N	N	5	10
557	1,000	2.0	N	N	5	50	30	20	N	10	20	20
558	500	2.0	N	N	5	20	30	50	N	N	20	20
833	300	1.0	N	N	10	70	50	30	N	N	20	10
834	500	1.5	N	N	15	50	15	30	N	N	15	<10
835	700	1.5	N	N	15	70	50	30	N	N	30	10
246	<20	N	N	N	N	N	20	N	N	N	<5	10
836	500	1.5	N	N	7	50	50	30	N	N	15	10
837	150	<1.0	N	N	5	50	50	<20	N	N	10	15
247	300	1.0	N	N	10	30	30	50	N	10	20	15
845	300	1.0	N	N	5	30	30	30	N	N	15	<10
307	500	1.0	N	N	20	50	20	50	N	10	20	15
790	700	2.0	N	N	10	30	50	70	N	N	15	<10
308	500	<1.0	N	N	30	50	300	50	N	10	20	15
803	500	1.0	N	N	15	30	50	20	N	N	15	<10
722	300	2.0	N	N	7	30	5	50	N	N	30	30
721	300	1.5	N	N	10	30	5	50	N	N	30	30
720	200	1.0	N	N	7	30	10	20	N	N	20	30
719	300	2.0	N	N	7	30	15	30	N	N	50	15
140	700	1.0	N	N	20	70	20	70	N	10	30	15
533	300	1.0	N	N	15	70	15	30	N	N	30	15
325	300	1.0	N	N	20	70	15	30	N	<10	50	30
141	500	<1.0	N	N	15	70	30	30	N	<10	30	20

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
324	N	7	N	<100	50	N	15	N	30	--	.03
CH64	<100	<5	N	200	70	<50	<10	N	70	--	--
449	N	7	N	<100	100	N	15	N	150	N	.06
CH66	<100	5	N	200	200	<50	<10	N	200	--	--
517	N	10	N	<100	100	N	20	N	150	N	.04
467	N	10	N	<100	50	N	20	N	150	N	.08
468	N	7	N	N	30	N	20	N	300	N	.06
567	N	10	N	N	70	N	30	N	200	N	.02
556	N	15	N	150	100	N	30	N	200	N	.04
838	N	15	N	N	70	N	30	N	150	N	.06
839	N	15	N	N	50	N	70	N	150	N	<.02
245	N	7	N	<100	30	N	15	N	100	--	N
844	N	5	N	<100	70	N	20	N	100	N	.02
804	N	20	N	<100	50	N	30	N	150	N	.04
AMS869	--	--	N	--	150	--	10	N	--	--	--
1325	N	15	N	100	100	N	20	N	150	N	.02
1326	N	15	N	<100	100	N	20	N	200	N	.04
438	N	10	N	<100	100	N	15	N	100	N	.06
139	N	7	N	200	70	N	20	N	70	--	.03
540	N	10	N	N	100	N	20	N	150	N	.08
541	N	10	N	100	100	N	30	N	150	N	.08
447	N	10	N	<100	100	N	20	N	200	N	.06
448	N	10	N	<100	150	N	20	N	200	N	.12
288	N	5	N	200	30	N	10	N	50	--	.05
289	N	10	N	N	70	N	30	N	200	--	.02
544	N	5	N	N	50	N	20	N	200	--	.04
545	N	10	N	N	70	N	30	N	200	N	.08
546	N	5	N	N	20	N	10	N	300	N	.02
557	N	10	N	N	70	N	30	N	200	N	.04
558	N	10	N	N	70	N	30	N	150	N	.02
833	N	10	N	N	70	N	30	N	300	N	.02
834	N	10	N	N	70	N	30	N	300	N	.04
835	N	15	N	N	70	N	30	N	150	--	.04
246	N	<5	N	150	100	N	30	N	<10	--	.02
836	N	7	N	100	50	N	30	N	200	N	.04
837	N	5	N	100	30	N	15	N	70	N	N
247	N	10	N	<100	50	N	30	N	200	--	N
845	N	10	N	N	200	N	15	N	150	N	.03
307	N	20	N	N	70	N	30	N	200	N	.06
790	N	10	N	N	200	N	30	N	200	--	.02
308	N	20	N	N	700	N	30	N	200	N	.04
803	N	10	N	N	70	N	50	N	200	N	.08
722	N	10	N	N	70	N	50	N	300	N	.10
721	N	10	N	N	70	N	20	N	200	N	.06
720	N	7	N	N	70	N	50	N	200	N	.08
719	N	10	N	N	70	N	30	N	150	--	.04
140	N	15	N	150	100	N	20	N	150	N	.10
533	N	15	N	<100	70	N	20	N	70	--	.03
325	N	10	N	100	100	N	20	N	100	--	.09

Choteau seds---continued

sample	Latitude	Longitude	MAP_NO.	S-FEX	S-MGX	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
142	47 49 12	112 54 45	998	2.0	7.00	15.00	.200	300	N	N	N	70
452	47 49 53	112 55 3	999	3.0	.70	.50	.500	300	N	N	N	100
451	47 49 6	112 56 21	1,000	5.0	1.50	2.00	1.000	700	N	N	N	50
474	47 49 37	112 57 47	1,001	1.5	.30	.30	.200	200	N	N	N	10
475	47 49 38	112 57 30	1,001	2.0	.30	.50	.200	100	N	N	N	20
287	47 49 56	113 6 41	1,002	1.0	5.00	10.00	.100	150	N	N	N	50
547	47 49 15	113 6 13	1,002	5.0	7.00	10.00	.200	300	N	N	N	70
548	47 49 54	113 6 22	1,002	1.0	7.00	20.00	.100	200	N	N	N	30
560	47 49 34	113 9 48	1,003	3.0	2.00	.20	.200	300	N	N	N	150
291	47 49 40	113 10 13	1,004	1.5	1.00	.15	.200	300	N	N	N	70
559	47 49 15	113 10 38	1,004	2.0	1.50	.50	.300	300	N	N	N	150
846	47 49 12	113 24 43	1,005	2.0	1.50	5.00	.300	300	N	N	N	50
789	47 49 15	113 26 32	1,006	5.0	1.00	.50	.500	300	N	N	N	70
791	47 49 4	113 30 52	1,007	5.0	1.00	.50	1.000	700	N	N	N	70
792	47 49 20	113 31 31	1,008	7.0	1.00	.70	>1.000	1,000	N	N	N	50
793	47 49 52	113 33 37	1,009	7.0	1.50	.70	>1.000	1,500	N	N	N	50
795	47 49 40	113 34 47	1,010	3.0	1.00	.30	.300	500	N	N	N	70
796	47 49 26	113 34 52	1,010	3.0	1.00	.30	.500	1,000	N	N	N	70
794	47 49 51	113 35 2	1,011	3.0	1.00	.30	.300	700	N	N	N	70
797	47 49 42	113 35 11	1,011	5.0	1.00	.30	.300	700	N	N	N	100
798	47 49 0	113 36 0	1,012	5.0	1.00	.50	.500	700	N	N	N	70
799	47 49 12	113 36 25	1,012	3.0	1.50	.50	.300	700	N	N	N	70
977	47 49 54	113 38 27	1,013	3.0	1.50	.20	.300	300	N	N	N	70
JAF559	47 49 10	113 41 45	1,014	3.0	--	.50	--	3,000	N	N	N	--
AMS868	47 50 40	112 37 0	1,015	--	--	--	--	500	N	--	--	--
143	47 50 21	112 51 10	1,016	2.0	3.00	10.00	.200	300	N	N	N	50
539	47 50 39	112 54 42	1,017	3.0	1.50	1.50	.300	300	N	N	N	100
144	47 50 35	112 55 24	1,018	3.0	1.50	1.00	1.000	500	N	N	N	70
145	47 50 37	112 55 8	1,018	2.0	2.00	5.00	.200	200	N	N	N	50
518	47 50 40	113 0 37	1,019	3.0	1.00	.70	.300	500	N	N	N	100
549	47 50 7	113 6 31	1,020	1.0	7.00	20.00	.100	200	N	N	N	30
550	47 50 26	113 7 13	1,021	1.5	3.00	10.00	.150	300	N	N	N	100
290	47 50 21	113 9 27	1,022	1.5	1.50	.10	.300	300	N	N	N	70
551	47 50 39	113 9 8	1,022	2.0	1.50	.50	.200	300	N	N	N	100
888	47 50 45	113 15 47	1,023	2.0	>10.00	15.00	.150	200	N	N	N	70
889	47 50 47	113 15 27	1,023	3.0	7.00	10.00	.300	700	N	N	N	70
322	47 50 10	113 20 31	1,024	2.0	1.00	.20	.300	200	N	N	N	70
904	47 50 59	113 24 11	1,025	3.0	3.00	7.00	.300	500	N	N	N	70
800	47 50 38	113 37 21	1,026	2.0	1.00	.20	.300	1,000	N	N	N	100
801	47 50 58	113 37 41	1,026	3.0	1.50	.50	.300	1,000	N	N	N	50
730	47 50 33	113 42 15	1,027	3.0	3.00	1.50	.300	500	N	N	N	150
AMS882	47 51 36	112 29 48	1,028	--	--	--	--	300	N	--	--	--
326	47 51 36	112 53 37	1,029	3.0	3.00	5.00	.300	300	N	N	N	70
150	47 51 58	112 55 55	1,030	2.0	5.00	10.00	.300	300	N	N	N	50
538	47 51 5	112 55 30	1,030	5.0	1.50	.70	.300	200	N	N	N	100
522	47 51 30	112 57 49	1,031	2.0	.70	.50	.200	500	N	N	N	100
520	47 51 19	112 59 2	1,032	3.0	.70	.70	.300	700	N	N	N	50
521	47 51 8	112 59 11	1,032	3.0	1.00	.70	.200	200	N	N	N	100
519	47 51 1	113 0 19	1,033	3.0	1.00	.70	.200	300	N	N	N	100
284	47 51 59	113 7 28	1,034	.7	7.00	20.00	.070	150	N	N	N	30

sample	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
142	200	<1.0	N	N	10	70	15	30	N	<10	30	20
452	700	1.0	N	N	15	70	30	30	N	N	30	15
451	1,000	N	N	N	20	70	30	20	N	N	30	15
474	300	1.0	N	N	7	20	30	20	N	N	10	<10
475	300	1.0	N	N	10	50	20	30	N	N	20	10
287	300	1.0	N	N	7	20	10	30	N	N	10	15
547	200	1.0	N	N	10	100	30	50	N	N	50	20
548	100	<1.0	N	N	N	N	10	N	N	N	10	20
560	1,000	3.0	N	N	5	N	20	N	N	N	15	20
291	500	1.5	N	N	15	20	10	70	N	10	15	10
559	700	2.0	N	N	5	20	30	N	N	N	15	20
846	500	<1.0	N	N	5	30	50	30	N	N	15	10
789	300	1.5	N	N	15	70	50	30	N	N	20	<10
791	500	1.0	N	N	15	50	30	30	N	N	15	<10
792	500	2.0	N	N	15	50	50	50	N	N	20	<10
793	500	1.5	N	N	20	50	70	20	N	N	30	10
795	500	2.0	N	N	15	50	50	50	N	N	20	10
796	500	1.5	N	N	15	50	30	70	N	N	15	15
794	700	2.0	N	N	10	50	50	30	N	N	20	10
797	500	1.5	N	N	15	50	50	70	N	N	15	15
798	500	1.5	N	N	15	50	50	50	N	N	15	10
799	300	1.5	N	N	15	50	50	50	N	N	15	10
977	700	2.0	N	N	10	30	50	50	N	N	15	70
JAF559	--	<5.0	N	N	--	50	30	--	N	--	30	20
AMS868	500	--	--	--	10	70	30	--	N	--	50	N
143	500	<1.0	N	N	15	70	20	30	N	<10	30	20
539	1,000	2.0	N	N	10	100	20	50	N	10	50	10
144	700	N	N	N	20	50	30	50	N	15	30	15
145	700	1.0	N	N	15	70	30	30	N	<10	30	10
518	500	1.0	N	N	15	50	15	30	N	N	15	15
549	70	<1.0	N	N	N	N	20	N	N	N	10	20
550	300	1.5	N	N	5	N	20	50	N	N	15	10
290	500	1.5	N	N	15	20	10	50	N	<10	15	10
551	700	2.0	N	N	10	N	20	50	N	N	30	30
888	150	1.0	N	N	5	150	50	20	N	N	50	70
889	500	2.0	N	N	15	150	70	50	N	N	50	20
322	700	1.0	N	N	15	30	15	50	N	<10	20	15
904	300	1.0	N	N	15	70	15	30	N	N	15	10
800	500	1.0	N	N	10	30	50	30	N	N	20	50
801	700	1.5	N	N	15	50	50	30	N	N	20	30
730	300	2.0	N	N	10	30	20	30	N	N	10	20
AMS882	500	--	--	--	5	30	7	--	N	--	50	30
326	500	<1.0	N	N	20	70	15	30	N	<10	20	15
150	500	<1.0	N	N	15	50	70	30	N	<10	20	15
538	700	2.0	N	N	10	50	30	50	N	N	50	10
522	500	1.0	N	N	15	50	30	20	N	N	15	20
520	700	1.0	N	N	10	30	10	30	N	N	15	15
521	500	<1.0	N	N	10	50	15	30	N	N	15	15
519	700	1.0	N	N	15	30	10	20	N	N	15	15
284	70	<1.0	N	N	<5	20	7	<20	N	N	10	<10

Choteau seds--continued

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
142	N	7	N	200	30	N	20	N	70	--	-03
452	N	15	N	<100	150	N	20	N	200	N	-08
451	N	15	N	100	300	N	20	N	150	N	-10
474	N	7	N	100	70	N	15	N	100	N	-14
475	N	10	N	N	100	N	20	N	200	N	-10
287	N	7	N	<100	30	N	20	N	100	--	-02
547	N	15	N	100	100	N	15	N	100	N	-03
548	N	5	N	100	50	N	10	N	20	--	-04
560	N	10	N	N	70	N	30	N	150	N	-05
291	N	10	N	N	50	N	30	N	150	--	-03
559	N	10	N	N	70	N	30	N	150	--	-10
846	N	7	N	<100	100	N	15	N	100	N	N
789	N	15	N	N	100	N	30	N	300	N	-08
791	N	15	N	100	150	N	30	N	300	N	-08
792	N	15	N	<100	200	N	50	N	300	N	-10
793	N	20	N	<100	300	N	50	N	150	N	-06
795	N	15	N	N	100	N	30	N	200	--	-08
796	N	15	N	N	100	N	30	N	300	N	-08
794	N	10	N	N	70	N	30	N	200	N	-02
797	N	15	N	N	100	N	30	N	200	N	-06
798	N	15	N	N	100	N	30	N	300	N	-02
799	N	15	N	N	100	N	30	N	300	N	-04
977	N	10	N	N	70	N	30	N	150	N	-10
JAF559	N	--	N	--	70	N	--	N	--	--	-10
AMS868	--	--	N	--	200	--	15	N	--	--	-03
143	N	10	N	150	70	N	30	N	70	N	--
539	N	15	N	N	200	N	30	N	150	N	-05
144	N	15	N	100	200	N	30	N	200	--	-05
145	N	15	N	100	100	N	30	N	100	--	-10
518	N	10	N	<100	70	N	20	N	150	N	-09
549	N	5	N	100	50	N	N	N	20	N	-04
550	N	7	N	N	50	N	20	N	150	N	-02
290	N	10	N	N	50	N	30	N	200	--	-06
551	N	7	N	N	70	N	30	N	200	N	-08
888	N	10	N	N	100	N	10	N	70	N	-08
889	N	10	N	100	150	N	30	N	150	N	-02
322	N	10	N	N	70	N	30	N	200	--	-04
904	N	10	N	N	70	N	30	N	200	N	-02
800	N	10	N	N	70	N	30	N	300	N	-14
801	N	10	N	100	70	N	30	N	200	N	-12
730	N	15	N	N	70	N	50	N	200	N	--
AMS882	--	--	N	--	70	--	10	N	--	--	-03
326	N	15	N	100	100	N	20	N	100	--	-04
150	N	10	N	100	100	N	15	N	70	--	-12
538	N	15	N	100	150	N	30	N	150	N	-02
522	N	7	N	<100	50	N	15	N	150	N	-10
520	N	7	N	150	70	N	20	N	200	N	-10
521	N	7	N	<100	50	N	20	N	150	N	-04
519	N	7	N	N	50	N	20	N	150	N	-04
284	N	7	N	200	30	N	15	N	30	--	-04

sample	latitude	longitude	MAP_NO.	S-FEX	S-MGX	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
282	47 51 45	113 8 26	1,035	.7	7.00	>20.00	.070	150	N	N	N	30
283	47 51 30	113 8 32	1,035	1.0	1.50	5.00	.150	150	N	N	N	50
285	47 51 9	113 8 9	1,035	1.5	2.00	5.00	.150	200	N	N	N	70
286	47 51 4	113 8 27	1,035	1.0	.70	.30	.200	150	N	N	N	30
297	47 51 6	113 15 53	1,036	.7	7.00	7.00	.030	200	N	N	N	30
890	47 51 42	113 16 25	1,037	2.0	7.00	15.00	.150	300	N	N	N	50
902	47 51 3	113 20 0	1,038	2.0	1.00	.20	.300	300	N	N	N	100
903	47 51 12	113 20 12	1,038	3.0	1.50	.50	.300	700	N	N	N	100
319	47 51 29	113 21 43	1,039	3.0	2.00	5.00	.300	300	N	N	N	100
320	47 51 26	113 21 27	1,039	2.0	1.00	.30	.300	200	N	N	N	70
321	47 51 19	113 21 20	1,039	3.0	1.50	.70	.300	300	N	N	N	100
905	47 51 6	113 22 45	1,040	2.0	5.00	10.00	.200	700	N	N	N	50
906	47 51 0	113 22 26	1,040	1.5	2.00	5.00	.300	300	N	N	N	70
907	47 51 15	113 24 59	1,041	3.0	3.00	7.00	.500	300	N	N	N	70
788	47 51 40	113 26 30	1,042	3.0	1.00	.70	.300	500	N	N	N	50
785	47 51 57	113 34 52	1,043	3.0	1.00	.70	.500	700	N	N	N	70
802	47 51 21	113 37 46	1,044	3.0	1.00	.70	.300	1,500	N	N	N	70
731	47 51 22	113 41 31	1,045	3.0	2.00	1.00	.300	300	N	N	N	100
732	47 51 45	113 42 36	1,046	3.0	2.00	1.50	.200	300	N	N	N	150
1444	47 52 36	112 48 48	1,047	2.0	2.00	7.00	.300	300	N	N	N	100
1445	47 52 51	112 48 45	1,047	3.0	3.00	5.00	.500	500	N	N	N	100
147	47 52 32	112 51 55	1,048	2.0	1.50	2.00	.200	150	N	N	N	70
146	47 52 38	112 52 8	1,049	.3	1.50	1.50	.300	200	N	N	N	70
148	47 52 5	112 52 59	1,049	2.0	3.00	5.00	.200	200	N	N	N	50
305	47 52 48	112 55 49	1,050	3.0	2.00	2.00	.500	500	N	N	N	50
453	47 52 16	112 55 51	1,050	3.0	2.00	2.00	.200	300	N	N	N	30
168	47 52 53	112 56 55	1,051	3.0	.70	.70	.300	700	N	N	N	30
304	47 52 54	112 56 0	1,051	1.0	7.00	10.00	.100	300	N	N	N	20
454	47 52 24	112 56 6	1,051	2.0	5.00	7.00	.150	300	N	N	N	20
523	47 52 3	112 56 49	1,051	3.0	.70	1.00	.300	200	N	N	N	100
537	47 52 13	112 56 33	1,051	5.0	1.50	.70	.300	300	N	N	N	70
169	47 52 45	112 57 3	1,052	2.0	.70	.50	.300	700	N	N	N	100
552	47 52 35	113 8 33	1,053	1.5	3.00	5.00	.150	200	N	N	N	100
278	47 52 1	113 9 23	1,054	1.5	3.00	7.00	.200	150	N	N	N	30
272	47 52 5	113 9 1	1,054	1.5	5.00	7.00	.150	200	N	N	N	30
555	47 52 13	113 9 54	1,054	1.5	3.00	3.00	.150	200	N	N	N	100
292	47 52 24	113 10 46	1,055	1.5	2.00	7.00	.150	150	N	N	N	50
293	47 52 12	113 10 32	1,055	1.5	1.50	.07	.300	200	N	N	N	70
553	47 52 24	113 11 56	1,056	1.5	3.00	5.00	.150	200	N	N	N	100
554	47 52 37	113 12 43	1,057	1.5	3.00	5.00	.150	150	N	N	N	100
891	47 52 11	113 16 27	1,058	1.5	5.00	10.00	.150	300	N	N	N	30
892	47 52 35	113 16 41	1,058	1.5	7.00	10.00	.100	300	N	N	N	30
330	47 52 59	113 33 21	1,059	5.0	1.00	.30	.700	500	N	N	N	100
786	47 52 7	113 35 3	1,060	5.0	1.50	.30	.500	1,000	N	N	N	100
733	47 52 9	113 43 29	1,061	3.0	3.00	15.00	.300	300	N	N	N	100
734	47 52 2	113 43 48	1,061	3.0	3.00	5.00	.300	300	N	N	N	150
457	47 53 39	112 51 49	1,062	3.0	1.00	1.00	.300	300	N	N	N	50
151	47 53 35	112 55 50	1,063	.7	10.00	15.00	.050	150	N	N	N	15
455	47 53 35	112 55 31	1,063	3.0	2.00	3.00	.300	500	N	N	N	70
524	47 53 59	113 0 48	1,064	3.0	.70	.70	.300	500	N	N	N	70

Choteau seds--continued

sample	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
282	70	<1.0	N	N	<5	10	20	<20	N	N	7	10
283	300	1.0	N	N	5	15	30	20	N	<10	10	10
285	300	1.0	N	N	10	30	10	50	N	N	15	20
286	500	<1.0	N	N	7	10	5	20	N	N	10	10
297	70	<1.0	N	N	<5	15	5	N	N	N	10	10
290	150	<1.0	N	N	10	70	50	20	N	N	30	15
902	500	2.0	N	N	10	30	10	30	N	N	15	10
903	700	1.5	N	N	15	50	15	30	N	N	20	15
319	500	1.5	N	N	15	70	15	50	N	<10	20	30
320	500	1.0	N	N	15	50	10	50	N	10	20	15
321	500	1.0	N	N	15	30	10	50	N	<10	20	20
905	200	1.0	N	N	10	50	15	30	N	N	20	15
906	300	2.0	N	N	7	30	10	30	N	N	20	15
907	500	1.5	N	N	10	30	15	50	N	N	15	10
788	500	2.0	N	N	10	30	50	70	N	N	15	<10
785	700	2.0	N	N	15	30	50	50	N	N	10	<10
802	700	2.0	N	N	15	30	70	30	N	N	15	30
731	500	2.0	N	N	10	30	15	50	N	N	30	20
732	500	1.0	N	N	7	30	20	20	N	N	20	30
1444	500	2.0	N	N	10	70	15	30	N	N	30	10
1445	500	1.5	N	N	15	70	15	30	N	N	50	10
147	500	1.0	N	N	20	100	20	30	N	<10	50	10
146	300	<1.0	N	N	20	100	15	30	N	10	50	10
148	500	<1.0	N	N	20	70	15	30	N	<10	50	10
305	1,000	1.0	N	N	15	30	20	30	N	10	50	20
453	500	1.0	N	N	15	70	30	30	N	10	30	15
168	700	<1.0	N	N	20	70	30	20	N	<10	50	<10
304	50	<1.0	N	N	5	15	10	N	N	N	15	15
454	200	<1.0	N	N	10	30	20	30	N	N	15	15
523	1,000	1.0	N	N	15	100	20	20	N	N	30	15
537	500	2.0	N	N	10	50	50	50	N	N	30	10
169	700	1.0	N	N	15	70	30	30	N	10	30	10
552	300	1.5	N	N	5	N	10	N	N	N	10	10
278	200	<1.0	N	N	7	20	70	30	N	<10	10	<10
279	200	<1.0	N	N	7	15	30	30	N	<10	15	10
555	300	1.5	N	N	5	N	15	50	N	N	10	15
292	300	1.0	N	N	10	20	15	50	N	<10	15	15
293	500	1.5	N	N	15	20	10	50	N	<10	15	10
553	300	1.5	N	N	N	N	20	N	N	N	5	10
554	500	1.5	N	N	5	N	10	50	N	N	15	10
891	150	1.0	N	N	7	70	30	20	N	N	20	15
892	150	<1.0	N	N	7	50	30	N	N	N	15	<10
330	500	2.0	N	N	15	50	30	30	N	N	15	10
786	700	2.0	N	N	15	70	50	50	N	N	20	15
733	500	1.0	N	N	7	30	15	50	N	N	20	30
734	500	2.0	N	N	5	30	20	50	N	N	20	20
457	300	1.0	N	N	15	70	30	20	N	N	30	10
151	70	<1.0	N	N	N	15	30	<20	N	N	7	10
455	300	1.0	N	N	15	70	20	30	N	N	30	20
524	500	2.0	N	N	15	50	20	50	N	<10	30	20

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
282	N	5	N	200	30	N	10	N	30	--	.02
283	N	7	N	N	30	N	20	N	100	--	.02
285	N	10	N	N	50	N	30	N	150	--	.03
286	N	5	N	N	30	N	15	N	150	--	.03
297	N	<5	N	N	20	N	<10	N	20	--	N
297	N	7	N	N	70	N	10	N	70	N	.04
890	N	10	N	N	70	N	30	N	500	N	.08
902	N	15	N	N	70	N	30	N	300	N	.04
903	N	15	N	N	70	N	30	N	300	N	N
319	N	15	N	N	70	N	30	N	150	--	.02
320	N	15	N	N	70	N	30	N	200	--	N
321	N	10	N	N	70	N	30	N	200	--	N
905	N	10	N	N	50	N	20	N	100	N	.08
906	N	7	N	N	70	N	30	N	200	N	.06
907	N	10	N	N	100	N	30	N	300	N	.06
788	N	15	N	<100	70	N	50	N	300	N	.02
785	N	15	N	N	100	N	30	N	200	N	.16
802	N	10	N	100	70	N	30	N	200	N	.10
731	N	10	N	N	70	N	20	N	150	N	.12
732	N	7	N	N	70	N	15	N	200	--	.08
1444	N	10	N	100	100	N	15	N	100	--	--
1445	N	10	N	100	150	N	15	N	70	--	--
147	N	15	N	100	70	N	30	N	150	--	.04
146	N	15	N	100	100	N	30	N	150	--	.03
148	N	15	N	100	70	N	30	N	70	--	.02
305	N	15	N	100	150	N	30	N	100	--	.15
453	N	10	N	100	100	N	30	N	150	N	.10
168	N	15	N	<100	100	N	30	N	150	--	.03
304	N	5	N	<100	30	N	10	N	50	--	.05
454	N	7	N	<100	50	N	15	N	100	N	.02
523	N	10	N	150	100	N	15	N	150	N	.07
537	N	15	N	100	150	N	30	N	150	N	.15
169	N	10	N	N	150	N	20	N	150	--	.05
552	N	7	N	<100	50	N	20	N	150	N	.02
278	N	5	N	N	30	N	20	N	150	--	.08
279	N	7	N	N	30	N	20	N	150	--	.02
555	N	7	N	N	30	N	20	N	100	N	.03
292	N	10	N	N	30	N	20	N	150	--	N
293	N	7	N	N	50	N	30	N	200	--	N
553	N	5	N	N	50	N	30	N	150	--	.04
554	N	7	N	N	30	N	20	N	100	N	.03
891	N	7	N	N	70	N	10	N	70	N	.04
892	N	5	N	N	30	N	<10	N	70	N	.02
330	N	15	N	N	150	N	30	N	200	N	.02
786	N	15	N	N	100	N	30	N	200	N	.10
733	N	10	N	N	70	N	30	N	150	N	.06
734	N	15	N	N	70	N	30	N	200	N	.08
457	N	10	N	100	100	N	15	N	100	N	.07
151	N	<5	N	<100	10	N	10	N	15	--	.02
455	N	15	N	100	100	N	20	N	150	N	.14
524	N	15	N	<100	100	N	20	N	200	N	.10

Choteau seds---continued

Sample	Latitude	Longitude	MAP_NO.	S-FEX	S-MGZ	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
0	47 53 43	113 8 29	1,065	2.0	2.00	1.00	.500	300	N	N	N	70
1	47 53 39	113 8 16	1,065	.5	7.00	20.00	.050	100	N	N	N	30
4	47 53 33	113 14 4	1,066	1.5	2.00	7.00	.150	200	N	N	N	50
7	47 53 58	113 14 13	1,066	1.5	1.00	.10	.150	200	N	N	N	70
8	47 53 32	113 14 4	1,066	2.0	2.00	3.00	.150	150	N	N	N	70
96	47 53 0	113 16 47	1,067	.7	7.00	15.00	.030	150	N	N	N	20
893	47 53 38	113 17 10	1,068	2.0	1.00	15.00	.200	500	N	N	N	30
922	47 53 12	113 22 26	1,069	3.0	.50	.20	.150	500	N	N	N	70
923	47 53 21	113 22 17	1,069	3.0	1.00	.15	.300	300	N	N	N	70
926	47 53 41	113 22 31	1,069	2.0	.70	.50	.200	300	N	N	N	70
925	47 53 50	113 23 1	1,070	3.0	1.50	.30	.300	300	N	N	N	100
787	47 53 10	113 29 9	1,071	1.5	.70	.15	.300	200	N	N	N	70
303	47 53 40	113 33 8	1,072	5.0	1.50	.50	.700	1,000	N	N	N	70
491	47 53 2	113 33 39	1,072	5.0	1.50	.70	.700	1,000	N	N	N	70
974	47 53 57	113 38 13	1,073	3.0	1.00	.20	.200	500	N	N	N	100
735	47 53 39	113 41 55	1,074	3.0	3.00	1.50	.300	300	N	N	N	100
737	47 53 51	113 43 31	1,075	3.0	2.00	1.50	.300	300	N	N	N	150
738	47 53 49	113 44 11	1,076	3.0	3.00	5.00	.200	300	N	N	N	70
739	47 53 39	113 44 32	1,076	3.0	3.00	3.00	.300	300	N	N	N	100
477	47 54 58	112 54 36	1,077	1.0	5.00	7.00	.050	100	N	N	N	10
515	47 54 17	112 55 29	1,078	3.0	1.00	2.00	.300	500	N	N	N	20
152	47 54 25	112 57 18	1,079	5.0	1.00	1.00	1.000	700	N	N	N	30
153	47 54 22	112 57 5	1,079	5.0	1.00	.50	.500	700	N	N	N	70
154	47 54 52	112 58 28	1,080	2.0	.70	.20	.500	300	N	N	N	100
155	47 54 37	112 58 50	1,080	5.0	2.00	1.50	.500	1,000	N	N	N	70
156	47 54 45	113 0 15	1,081	3.0	1.50	1.00	.500	700	N	N	N	50
157	47 54 33	113 0 6	1,081	10.0	.70	.70	>1.000	1,500	N	N	N	30
327	47 54 46	113 1 55	1,082	2.0	1.00	1.00	.300	300	N	N	N	70
328	47 54 42	113 2 52	1,083	5.0	2.00	5.00	1.000	1,000	N	N	N	50
542	47 54 13	113 9 0	1,084	2.0	1.50	.15	.200	500	N	N	N	150
963	47 54 30	113 13 30	1,085	2.0	1.00	.15	.200	200	N	N	N	100
969	47 54 1	113 15 2	1,086	3.0	2.00	3.00	.200	200	N	N	N	70
970	47 54 30	113 16 8	1,087	2.0	1.50	2.00	.200	150	N	N	N	100
894	47 54 13	113 17 39	1,088	2.0	2.00	10.00	.150	500	N	N	N	30
895	47 54 7	113 17 20	1,088	2.0	5.00	15.00	.150	300	N	N	N	30
924	47 54 3	113 23 5	1,089	2.0	.70	1.00	.200	700	N	N	N	70
927	47 54 25	113 24 28	1,090	3.0	3.00	7.00	.200	200	N	N	N	70
173	47 54 23	113 32 50	1,091	5.0	1.50	1.00	.500	700	N	N	N	70
302	47 54 40	113 32 11	1,091	7.0	1.00	.70	1.000	1,000	N	N	N	70
300	47 54 26	113 34 15	1,092	7.0	1.50	.70	.500	1,000	N	N	N	70
301	47 54 16	113 34 14	1,092	7.0	1.50	.70	.500	1,500	N	N	N	100
975	47 54 38	113 38 3	1,093	3.0	1.00	.20	.200	700	N	N	N	70
736	47 54 4	113 42 30	1,094	3.0	3.00	3.00	.700	300	N	N	N	150
1415	47 55 6	112 44 31	1,095	1.5	3.00	15.00	.030	300	N	N	N	50
306	47 55 2	112 54 52	1,096	.7	7.00	15.00	.150	150	N	N	N	20
476	47 55 16	112 54 34	1,096	1.0	5.00	7.00	.050	100	N	N	N	<10
964	47 55 16	113 12 27	1,097	2.0	1.50	.15	.200	300	N	N	N	70
965	47 55 25	113 12 37	1,097	1.5	1.00	.15	.200	200	N	N	N	70
295	47 55 24	113 17 29	1,098	1.0	5.00	20.00	.070	150	N	N	N	15
971	47 55 9	113 17 5	1,098	3.0	2.00	3.00	.200	150	N	N	N	70

sample	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
280	500	1.5	N	N	10	30	70	50	N	<10	20	15
281	70	N	N	N	<5	7	20	N	N	N	7	<10
294	300	<1.0	N	N	7	20	7	50	N	<10	10	10
967	700	2.0	N	N	<5	15	30	30	N	N	10	<10
968	500	1.0	N	N	5	20	30	30	N	N	15	15
296	70	<1.0	N	N	N	10	7	<20	N	N	5	10
893	300	1.5	N	N	7	30	30	20	N	N	15	15
922	300	1.5	N	N	5	30	10	30	N	N	15	10
923	500	2.0	N	N	7	50	20	30	N	N	15	15
926	700	2.0	N	N	5	70	30	30	N	N	15	10
925	700	3.0	N	N	10	50	30	50	N	N	15	15
787	1,000	1.5	N	N	<5	20	50	30	N	N	5	<10
303	700	2.0	N	N	15	50	50	50	N	N	20	10
491	700	2.0	N	N	15	50	50	50	N	N	20	<10
974	500	3.0	N	N	7	30	50	30	N	N	15	20
735	300	1.0	N	N	5	30	15	20	N	N	20	30
737	300	1.0	N	N	10	30	15	20	N	N	20	30
738	300	<1.0	N	N	5	20	10	20	N	N	15	30
739	300	2.0	N	N	7	30	10	50	N	N	20	30
477	50	N	N	N	7	N	10	N	N	N	10	15
515	300	<1.0	N	N	10	50	30	20	N	N	20	10
152	500	N	N	N	50	50	70	20	N	<10	50	<10
153	1,000	<1.0	N	N	30	70	50	30	N	<10	7	20
154	700	<1.0	N	N	20	70	50	50	N	<10	70	15
155	500	<1.0	N	N	20	50	50	20	N	<10	20	10
156	700	<1.0	N	N	30	50	100	50	N	10	30	20
157	300	N	N	N	50	70	70	<20	N	<10	50	<10
327	500	1.0	N	N	20	30	15	30	N	<10	20	15
328	500	N	N	N	30	50	100	20	N	10	30	20
542	1,000	2.0	N	N	5	20	30	50	N	N	15	20
963	700	2.0	N	N	7	50	20	30	N	N	10	<10
969	700	1.5	N	N	5	30	30	30	N	N	15	10
970	1,000	1.0	N	N	7	20	20	30	N	N	15	10
894	200	<1.0	N	N	7	30	50	20	N	N	20	10
895	500	<1.0	N	N	7	50	20	30	N	N	10	10
924	700	3.0	N	N	<5	50	20	30	N	N	15	10
927	500	1.0	N	N	7	30	50	20	N	N	15	15
173	500	1.0	N	N	15	70	50	20	N	N	30	15
302	500	1.0	N	N	15	20	70	20	N	N	15	<10
300	500	2.0	N	N	15	50	70	30	N	N	20	<10
301	700	2.0	N	N	15	50	50	30	N	N	30	10
975	300	3.0	N	N	7	30	50	30	N	N	15	20
736	500	2.0	N	N	15	20	20	30	N	N	30	30
1415	200	1.5	N	N	7	100	15	20	N	N	30	10
306	30	<1.0	N	N	N	10	7	N	N	N	10	15
476	50	<1.0	N	N	N	N	15	N	N	N	15	15
964	1,500	3.0	N	N	7	30	50	30	N	N	15	10
965	700	2.0	N	N	5	30	50	30	N	N	15	<10
295	100	<1.0	N	N	5	15	7	20	N	N	7	10
971	500	2.0	N	N	5	15	7	70	N	N	15	15

Choteau seds--continued

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
280	N	15	N	N	70	N	30	N	300	--	N
281	N	<5	N	150	30	N	10	N	30	--	N
294	N	7	N	N	30	N	15	N	100	--	N
967	N	5	N	N	30	N	20	N	200	--	.04
968	N	7	N	N	30	N	30	N	150	--	.02
296	N	5	N	150	15	N	10	N	30	--	N
893	N	7	N	N	30	N	30	N	100	N	.02
922	N	7	N	N	30	N	20	N	150	N	.10
923	N	10	N	N	70	N	30	N	200	N	.06
926	N	10	N	N	50	N	30	N	200	N	.10
925	N	15	N	N	50	N	50	N	300	N	.08
787	N	7	N	N	30	N	20	N	200	N	.18
303	N	15	N	N	150	N	30	N	200	N	.08
491	N	15	N	N	150	N	30	N	200	N	.04
974	N	10	N	N	70	N	30	N	300	--	.03
735	N	10	N	N	70	N	20	N	150	N	.08
737	N	10	N	N	70	N	20	N	200	N	.06
738	N	7	N	N	70	N	10	N	70	N	.08
739	N	20	N	N	70	N	30	N	200	N	.04
477	N	<5	N	<100	15	N	<10	N	20	N	.07
515	N	7	N	100	100	N	15	N	100	N	--
152	N	20	N	<100	500	N	30	N	200	--	.03
153	N	15	N	100	200	N	30	N	150	--	.04
154	N	15	N	<100	150	N	30	N	200	--	.05
155	N	15	N	<100	150	N	20	N	150	--	.03
156	N	15	N	100	150	N	30	N	150	--	N
157	N	20	N	<100	700	N	20	N	100	--	N
327	N	10	N	N	50	N	30	N	150	--	.03
328	N	20	N	<100	150	N	30	N	100	--	.03
542	N	10	N	N	70	N	50	N	300	--	.04
963	N	7	N	N	30	N	30	N	300	--	.04
969	N	7	N	N	50	N	20	N	300	--	.02
970	N	7	N	N	50	N	20	N	200	--	.02
894	N	<5	N	100	30	N	30	N	70	N	.02
895	N	5	N	100	50	N	10	N	50	N	.02
924	N	10	N	N	50	N	30	N	200	N	.08
927	N	7	N	N	50	N	30	N	150	N	.04
173	N	10	N	N	150	N	20	N	300	--	.14
302	N	15	N	<100	200	N	30	N	150	N	.02
300	N	15	N	<100	150	N	30	N	300	N	.08
301	N	15	N	<100	150	N	30	N	300	N	.12
975	N	10	N	N	70	N	30	N	200	--	.10
736	N	20	N	N	100	N	30	N	300	N	.08
1415	N	7	N	100	70	N	15	N	150	--	--
306	N	<5	N	<100	10	N	<10	N	10	--	.06
476	N	N	N	N	20	N	30	N	15	N	.16
964	N	7	N	N	30	N	30	N	300	--	.04
965	N	7	N	N	50	N	20	N	300	--	.04
295	N	5	N	300	20	N	15	N	70	--	N
971	N	7	N	N	50	N	30	N	300	N	.02

sample	Latitude	Longitude	MAP_NO.	S-FEX	S-MG%	S-CA%	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
972	47 55 50	113 17 59	1,098	2.0	1.50	3.00	.150	150	N	N	N	70
973	47 55 53	113 19 6	1,099	3.0	1.50	3.00	.150	150	N	N	N	70
816	47 55 20	113 22 9	1,100	2.0	2.00	1.50	.200	300	N	N	N	70
298	47 55 21	113 24 48	1,101	.7	2.00	10.00	.070	150	N	N	N	30
495	47 56 1	112 56 29	1,102	3.0	.50	.30	.300	300	N	N	N	20
369	47 56 48	113 0 29	1,103	3.0	.70	.70	1.000	700	N	N	N	50
185	47 56 57	113 1 22	1,104	3.0	1.00	1.00	.500	700	N	N	N	70
370	47 56 22	113 3 55	1,105	2.0	1.00	.70	.300	500	N	N	N	70
957	47 56 59	113 12 46	1,106	2.0	.50	.10	.150	150	N	N	N	70
966	47 56 20	113 12 23	1,106	1.5	.70	.10	.150	150	N	N	N	70
824	47 56 11	113 18 29	1,107	5.0	1.00	.30	.300	500	N	N	N	70
817	47 56 13	113 20 28	1,108	3.0	1.00	.70	.300	700	N	N	N	50
814	47 56 51	113 22 57	1,109	1.5	1.50	2.00	.200	700	N	N	N	50
318	47 56 17	113 23 28	1,110	2.0	2.00	7.00	.200	300	N	N	N	70
813	47 56 57	113 23 35	1,110	2.0	1.00	.30	.200	700	N	N	N	70
815	47 56 25	113 23 20	1,110	1.5	1.00	1.00	.300	200	N	N	N	70
812	47 56 28	113 25 11	1,111	1.5	7.00	10.00	.150	300	N	N	N	50
811	47 56 58	113 28 4	1,112	1.5	1.00	1.00	.200	200	N	N	N	50
805	47 56 41	113 29 1	1,113	1.5	1.00	3.00	.200	200	N	N	N	50
976	47 56 10	113 38 32	1,114	3.0	1.00	.20	.300	700	N	N	N	70
1293	47 57 35	112 48 26	1,115	2.0	5.00	15.00	.150	300	N	N	N	30
1446	47 57 44	112 48 36	1,115	1.5	3.00	7.00	.150	500	N	N	N	30
1447	47 57 25	112 48 7	1,115	2.0	5.00	15.00	.150	500	N	N	N	100
1296	47 57 32	112 49 18	1,116	3.0	3.00	7.00	.200	300	N	N	N	50
1297	47 57 28	112 49 25	1,116	3.0	3.00	7.00	.200	300	N	N	N	50
1295	47 57 9	112 51 11	1,117	3.0	2.00	3.00	.200	500	N	N	N	50
1294	47 57 20	112 52 14	1,118	3.0	3.00	3.00	.300	300	N	N	N	50
484	47 57 35	112 56 57	1,119	3.0	.70	.70	.200	500	N	N	N	30
183	47 57 31	112 58 13	1,120	1.5	5.00	10.00	.200	500	N	N	N	30
181	47 57 58	112 59 33	1,121	2.0	1.50	3.00	.300	700	N	N	N	30
182	47 57 46	112 59 38	1,121	2.0	.70	1.00	.200	500	N	N	N	30
954	47 57 21	113 13 35	1,122	3.0	1.50	.10	.200	200	1.0	N	N	70
955	47 57 21	113 13 17	1,122	1.5	.50	.07	.150	150	N	N	N	70
956	47 57 2	113 13 1	1,122	2.0	1.00	.10	.150	200	N	N	N	70
952	47 57 44	113 14 47	1,123	3.0	1.50	.15	.150	200	N	N	N	70
953	47 57 37	113 14 42	1,123	3.0	1.50	.10	.200	200	1.0	N	N	70
820	47 57 9	113 20 42	1,124	3.0	1.00	7.00	.200	500	N	N	N	70
821	47 57 1	113 20 34	1,124	5.0	1.00	3.00	.300	700	N	N	N	70
818	47 57 30	113 21 21	1,125	3.0	1.50	.50	.300	700	N	N	N	70
819	47 57 36	113 21 4	1,125	5.0	1.00	.70	.500	700	N	N	N	70
806	47 57 51	113 27 35	1,126	1.5	1.00	1.50	.200	700	N	N	N	70
1227	47 58 46	112 48 46	1,127	1.5	3.00	7.00	.100	200	N	N	N	30
1228	47 58 36	112 48 12	1,127	2.0	3.00	15.00	.150	300	N	N	N	70
481	47 58 50	112 53 53	1,128	2.0	1.00	1.50	.200	300	N	N	N	30
478	47 58 37	112 54 52	1,129	1.5	3.00	2.00	.070	200	N	N	N	15
479	47 58 44	112 54 50	1,129	3.0	.70	.30	.300	500	N	N	N	20
480	47 58 51	112 54 58	1,129	3.0	1.00	.70	.300	200	N	N	N	30
184	47 58 37	112 56 21	1,130	3.0	.70	.50	.500	700	N	N	N	50
186	47 58 28	113 0 59	1,131	3.0	1.00	1.50	.500	700	N	N	N	30
187	47 58 49	113 2 27	1,132	3.0	1.00	1.00	.500	700	N	N	N	50

Chateau seds--continued

sample	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
972	300	1.5	N	N	5	15	50	30	N	N	15	10
973	700	1.5	N	N	5	20	20	30	N	N	15	15
816	500	1.5	N	N	7	30	30	30	N	N	15	<10
298	100	<1.0	N	N	5	15	7	20	N	<10	10	15
495	500	1.0	N	N	15	50	15	30	N	N	20	15
369	300	N	N	N	30	50	30	N	N	10	30	15
185	700	<1.0	N	N	30	70	70	30	N	<10	30	15
370	500	1.0	N	N	15	50	15	50	N	10	30	15
957	500	1.0	N	N	N	15	20	20	N	10	30	15
966	700	1.5	N	N	<5	15	70	30	N	N	10	N
824	700	2.0	N	N	15	70	50	30	N	N	15	<10
817	500	2.0	N	N	10	50	50	30	N	N	15	10
814	700	1.5	N	N	7	15	20	30	N	N	20	<10
318	500	1.0	N	N	15	50	15	50	N	<10	20	10
813	700	2.0	N	N	7	20	50	30	N	N	15	15
815	700	1.0	N	N	5	20	30	30	N	N	10	<10
812	300	<1.0	N	N	7	30	20	20	N	N	20	20
811	500	<1.0	N	N	5	20	30	20	N	N	10	<10
805	500	1.5	N	N	5	30	50	30	N	N	15	15
976	500	3.0	N	N	10	30	30	30	N	N	15	15
1293	300	1.5	N	N	10	70	30	20	N	N	20	20
1446	200	1.0	N	N	5	100	15	30	N	N	30	10
1447	150	1.5	N	N	10	100	15	30	N	N	30	10
1296	300	1.5	N	N	15	70	30	30	N	N	30	10
1297	300	1.5	N	N	15	50	20	30	N	N	30	15
1295	300	2.0	N	N	15	50	30	20	N	N	30	30
1294	300	2.0	N	N	15	50	30	20	N	N	30	20
484	500	1.0	N	N	15	50	20	20	N	N	20	15
183	500	<1.0	N	N	10	70	20	30	N	<10	20	15
181	700	<1.0	N	N	15	70	50	30	N	<10	50	20
182	500	<1.0	N	N	15	30	30	20	N	<10	15	10
954	700	2.0	N	N	7	15	200	30	N	N	15	<10
955	700	1.5	N	N	N	10	10	20	N	N	7	<10
956	700	1.5	N	N	N	15	20	20	N	N	10	<10
952	1,000	2.0	N	N	7	100	20	30	N	N	30	15
953	700	2.0	N	N	10	30	100	30	N	N	15	15
820	300	1.0	N	N	15	70	30	30	N	N	30	15
821	500	2.0	N	N	15	70	50	30	N	N	30	15
818	700	1.5	N	N	15	50	50	50	N	N	30	10
819	300	2.0	N	N	15	70	50	30	N	N	30	15
806	700	1.5	N	N	7	30	30	30	N	N	15	10
1227	200	1.0	N	N	10	50	30	20	N	N	30	20
1228	150	1.5	N	N	10	70	30	30	N	N	20	30
481	300	1.0	N	N	10	50	20	20	N	N	15	15
478	200	<1.0	N	N	5	10	15	20	N	N	20	15
479	500	1.0	N	N	15	70	20	30	N	N	30	15
480	500	1.0	N	N	10	50	20	30	N	N	20	10
184	700	1.0	N	N	20	70	70	30	N	10	70	20
186	700	<1.0	N	N	20	70	50	30	N	<10	50	10
187	700	<1.0	N	N	20	70	70	30	N	<10	30	15

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
972	N	7	N	N	30	N	15	N	150	N	.02
973	N	7	N	N	50	N	30	N	200	--	.04
816	N	7	N	N	30	N	30	N	150	N	<.02
298	N	5	N	100	30	N	30	N	70	--	.02
495	N	15	N	<100	70	N	20	N	150	N	.13
369	N	15	N	<100	200	N	30	N	150	--	.03
185	N	15	N	N	150	N	30	N	200	--	N
370	N	10	N	N	70	N	30	N	150	--	N
957	N	5	N	N	50	N	30	N	300	N	.02
966	N	5	N	N	30	N	15	N	200	--	.02
824	N	15	N	N	100	N	30	N	300	N	.04
817	N	10	N	N	70	N	30	N	200	N	<.02
814	N	5	N	<100	50	N	20	N	200	N	.04
318	N	10	N	N	70	N	30	N	150	--	N
813	N	10	N	N	50	N	30	N	200	N	.04
815	N	5	N	N	30	N	30	N	300	N	.02
812	N	5	N	<100	50	N	15	N	70	N	.04
811	N	5	N	N	50	N	30	N	200	N	.02
805	N	7	N	<100	50	N	30	N	200	N	.10
976	N	10	N	<100	100	N	30	N	200	--	.04
1293	N	7	N	150	100	N	20	N	100	--	--
1446	N	7	N	100	50	N	15	N	70	--	--
1447	N	7	N	100	50	N	15	N	70	--	--
1296	N	10	N	<100	150	N	15	N	70	N	.06
1297	N	10	N	100	150	N	20	N	150	N	.06
1295	N	15	N	100	150	N	20	N	100	N	.06
1294	N	15	N	100	150	N	20	N	200	N	.10
484	N	15	N	100	100	N	15	N	100	N	.16
183	N	10	N	100	70	N	20	N	50	--	.04
181	N	15	N	<100	150	N	20	N	100	--	.04
182	N	7	N	<100	70	N	15	N	100	--	.02
954	N	7	N	N	50	N	30	N	150	--	.45
955	N	5	N	N	30	N	15	N	150	N	.08
956	N	5	N	N	30	N	20	N	150	N	.02
952	N	7	N	N	70	N	30	N	150	--	.12
953	N	7	N	N	50	N	30	N	150	N	.28
820	N	10	N	150	70	N	30	N	150	N	.04
821	N	15	N	100	100	N	30	N	300	N	.02
818	N	10	N	N	70	N	30	N	200	N	<.02
819	N	15	N	N	100	N	50	N	300	N	.02
806	N	7	N	N	70	N	30	N	150	N	.04
1227	N	7	N	150	150	N	20	N	150	--	.04
1228	N	7	N	150	70	N	15	N	70	N	.06
481	N	10	N	<100	70	N	15	N	200	N	.14
478	N	5	N	<100	30	N	10	N	30	N	.06
479	N	15	N	100	100	N	15	N	150	N	.10
480	N	10	N	<100	100	N	15	N	150	N	.07
184	N	15	N	<100	150	N	30	N	150	--	.08
186	N	15	N	<100	150	N	20	N	150	--	.02
187	N	15	N	<100	150	N	30	N	150	--	.04

Choteau seds---continued

sample	Latitude	Longitude	MAP_NO.	S-FEX	S-MGZ	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
368	47 58 47	113 6 46	1,133	1.5	1.50	10.00	.150	200	N	N	N	50
1020	47 58 39	113 10 29	1,134	1.0	7.00	20.00	.050	150	N	N	N	30
1021	47 58 55	113 10 42	1,134	1.0	10.00	20.00	.050	150	N	N	N	30
1022	47 58 59	113 10 52	1,134	1.5	5.00	10.00	.150	300	N	N	N	70
807	47 58 27	113 27 26	1,135	3.0	1.50	2.00	.300	700	N	N	N	70
808	47 58 55	113 28 30	1,136	5.0	1.50	1.00	.300	150	N	N	N	70
1064	47 58 26	113 30 29	1,137	3.0	2.00	2.00	.700	700	N	N	N	70
938	47 58 51	113 32 17	1,138	3.0	1.50	1.50	.150	200	N	N	N	70
1225	47 59 57	112 49 38	1,139	3.0	2.00	5.00	.200	300	N	N	N	30
1226	47 59 54	112 51 5	1,140	3.0	2.00	3.00	.300	500	N	N	N	50
514	47 59 56	112 58 41	1,141	3.0	1.50	3.00	.200	300	N	N	N	70
374	47 59 59	112 59 58	1,142	1.5	1.00	3.00	.300	300	N	N	N	30
189	47 59 59	113 2 54	1,143	3.0	1.50	2.00	.300	700	N	N	N	50
372	47 59 18	113 2 49	1,143	5.0	1.00	1.50	1.000	700	N	N	N	50
499	47 59 7	113 2 39	1,143	3.0	1.50	1.50	.300	500	N	N	N	50
188	47 59 47	113 3 1	1,144	3.0	1.00	.70	.500	700	N	N	N	20
371	47 59 18	113 3 1	1,144	3.0	1.00	1.00	.700	1,000	N	N	N	70
526	47 59 9	113 3 14	1,144	3.0	.70	1.50	.300	700	N	N	N	30
201	47 59 11	113 6 25	1,145	1.5	1.50	3.00	.300	700	N	N	N	70
1023	47 59 44	113 11 3	1,146	1.5	7.00	15.00	.100	200	N	N	N	50
1024	47 59 47	113 11 18	1,146	1.5	2.00	2.00	.150	150	N	N	N	100
1029	47 59 36	113 11 46	1,146	1.0	1.50	1.00	.150	100	N	N	N	70
1028	47 59 24	113 12 52	1,147	1.5	1.00	.50	.150	70	N	N	N	70
1026	47 59 39	113 13 59	1,148	1.5	1.50	.07	.200	150	N	N	N	100
1027	47 59 33	113 13 4	1,148	1.5	1.00	.15	.150	150	N	N	N	100
1025	47 59 27	113 14 5	1,149	1.5	1.00	.15	.200	150	N	N	N	70
1017	47 59 43	113 17 40	1,150	2.0	1.50	.10	.200	500	N	N	N	100
809	47 59 45	113 28 24	1,151	5.0	1.50	1.50	.300	1,000	N	N	N	100
940	47 59 38	113 28 49	1,151	3.0	1.50	.70	.300	500	N	N	N	100
939	47 59 11	113 29 2	1,152	3.0	1.50	.70	.300	300	N	N	N	70
937	47 59 56	113 32 25	1,153	3.0	2.00	5.00	.200	500	N	N	N	70
825	47 59 6	113 33 31	1,154	7.0	1.50	2.00	>1.000	1,000	N	N	N	70
826	47 59 21	113 33 48	1,154	5.0	1.50	2.00	.500	700	N	N	N	70
1016	48 0 0	113 18 19	1,155	3.0	1.50	.15	.300	300	N	N	N	70
810	48 0 0	113 28 34	1,156	2.0	1.00	.50	.300	500	N	N	N	70

sample	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
368	200	<1.0	N	N	10	30	7	<20	N	<10	20	10
1020	150	<1.0	N	N	5	50	30	N	N	N	30	30
1021	100	<1.0	N	N	N	20	20	N	N	N	15	20
1022	300	1.0	N	N	5	30	30	20	N	N	15	15
807	700	1.5	N	N	10	50	50	30	N	N	20	10
808	700	1.0	N	N	10	50	50	50	N	N	20	10
1064	700	2.0	N	N	15	50	50	30	N	N	15	15
938	500	1.5	N	N	7	30	20	30	N	N	15	N
1225	500	2.0	N	N	15	70	30	30	N	N	30	20
1226	300	1.5	N	N	20	70	30	30	N	N	30	15
514	200	1.0	N	N	15	70	20	20	N	N	30	15
374	700	<1.0	N	N	10	30	15	30	N	<10	30	20
189	700	<1.0	N	N	20	70	70	30	N	<10	50	20
372	700	<1.0	N	N	30	50	70	20	N	<10	70	15
499	700	1.0	N	N	15	50	30	20	N	N	20	15
188	700	<1.0	N	N	15	50	50	30	N	<10	30	10
371	700	1.0	N	N	30	50	70	20	N	10	50	10
526	500	<1.0	N	N	20	50	30	30	N	N	30	15
201	500	1.0	N	N	15	50	150	30	N	<10	30	10
1023	200	<1.0	N	N	5	50	15	<20	N	N	20	15
1024	300	1.5	N	N	7	15	50	20	N	N	15	10
1029	300	1.5	N	N	5	15	20	20	N	N	10	N
1028	300	1.0	N	N	N	15	70	N	N	N	10	N
1026	300	1.5	N	N	5	30	30	20	N	N	15	<10
1027	500	1.5	N	N	<5	15	70	20	N	N	15	<10
1025	700	2.0	N	N	5	20	70	30	N	N	15	10
1017	700	3.0	N	N	7	30	50	30	N	N	15	20
809	700	1.5	N	N	15	70	50	30	N	N	30	15
940	700	2.0	N	N	10	30	50	30	N	N	15	15
939	700	1.0	N	N	10	50	50	30	N	N	15	10
937	700	1.5	N	N	10	50	20	30	N	N	15	10
825	700	1.0	N	N	15	30	70	30	N	N	20	<10
826	1,000	1.5	N	N	15	70	50	30	N	N	30	10
1016	1,500	2.0	N	N	10	70	50	30	N	N	15	15
810	300	1.5	N	N	10	20	50	20	N	N	15	<10

Choteau seds--continued

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
368	N	7	N	100	30	N	10	N	70	--	.02
1020	N	5	N	150	70	N	15	N	50	--	.04
1021	N	<5	N	100	50	N	<10	N	70	--	.04
1022	N	7	N	<100	50	N	15	N	150	N	.02
807	N	10	N	<100	70	N	30	N	300	N	.04
808	N	15	N	100	70	N	30	N	300	N	.04
1064	N	15	N	<100	200	N	30	N	150	--	.04
938	N	7	N	N	50	N	20	N	150	N	.02
1225	N	15	N	150	150	N	30	N	150	N	.06
1226	N	15	N	150	150	N	30	N	200	N	.06
514	N	10	N	100	100	N	15	N	100	N	.02
374	N	10	N	100	70	N	30	N	150	--	.04
189	N	15	N	<100	150	N	30	N	150	--	.05
372	N	20	N	100	200	N	30	N	200	--	.03
499	N	10	N	150	100	N	15	N	150	N	.06
188	N	15	N	<100	150	N	30	N	150	--	.04
371	N	20	N	N	150	N	30	N	150	--	.02
526	N	15	N	100	150	N	20	N	150	N	.06
201	N	10	N	<100	50	N	20	N	150	--	.03
1023	N	5	N	<100	50	N	15	N	100	--	.04
1024	N	7	N	N	30	N	20	N	300	N	.02
1029	N	5	N	N	30	N	20	N	200	N	.04
1028	N	5	N	N	30	N	15	N	200	N	.04
1026	N	7	N	N	50	N	20	N	300	N	.02
1027	N	7	N	N	50	N	20	N	200	N	.02
1025	N	10	N	N	50	N	30	N	300	N	.02
1017	N	10	N	N	70	N	30	N	200	N	.08
809	N	15	N	<100	70	N	30	N	200	--	.06
940	N	10	N	N	100	N	20	N	150	N	.04
939	N	10	N	N	70	N	20	N	200	N	.04
937	N	7	N	N	70	N	30	N	150	N	.04
825	N	15	N	N	300	N	30	N	200	N	.06
826	N	10	N	N	150	N	30	N	200	N	.02
1016	N	10	N	N	70	N	50	N	500	--	.04
810	N	7	N	N	50	N	15	N	150	N	.02

Table 2.--Spectrographic and chemical analyses of rocks from the Choteau 1° x 2° quadrangle, Montana

sample	Latitude	Longitude	MAP_NO.	S-FEX	S-MG%	S-CA%	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
EFD163	47 0 0	112 0 0	1	15.00	1.00	1.50	.700	5,000	N	N	N	200
EFD164	47 0 0	112 7 30	2	3.00	.70	1.00	.500	500	N	N	N	10
JAF116	47 0 55	112 9 55	3	.30	--	.07	--	300	N	N	N	--
JAE277	47 0 16	112 15 22	4	1.00	.70	.15	.200	500	5.0	N	N	15
RP257AR	47 0 28	112 22 50	5	2.00	--	<.05	--	150	2.0	N	N	--
RP257BR	47 0 28	112 22 50	5	10.00	--	.10	--	150	.7	N	N	--
RP220R	47 0 29	112 35 55	6	10.00	--	5.00	--	2,000	N	N	N	--
JAF115	47 0 15	113 48 10	7	.05	--	<.05	--	10	N	N	N	--
EFB276	47 1 0	112 3 0	8	3.00	1.00	.70	.500	150	3.0	N	N	200
JAF119	47 1 45	112 9 30	9	1.50	--	.07	--	1,000	700.0	>10,000	N	--
JAF1720	47 1 45	112 9 30	9	.10	--	.07	--	50	15.0	700	N	--
JAF1721	47 1 45	112 9 30	9	2.00	--	3.00	--	300	20.0	500	N	--
JAE265	47 1 17	112 11 54	10	1.50	.15	<.05	.007	150	20.0	500	N	<10
JAF1722	47 1 20	112 11 40	10	1.50	--	.20	--	150	20.0	N	N	--
RP236DR	47 1 32	112 21 39	11	10.00	--	3.00	--	>5,000	300.0	200	N	--
RP237R	47 1 8	112 21 6	11	3.00	--	.05	--	200	300.0	7,000	<10	--
JAF175	47 1 30	112 22 39	12	1.50	.70	N	--	100	N	N	N	30
JAF176	47 1 35	112 22 38	12	5.00	.20	N	--	30	1.5	N	N	20
JAF177	47 1 40	112 22 33	12	1.00	.50	N	--	30	3.0	N	N	20
JAF178	47 1 47	112 22 29	12	20.00	.07	N	--	100	1.0	N	N	20
JAF179	47 1 54	112 22 28	12	2.00	.30	N	--	30	.5	N	N	20
JAF173	47 1 56	112 23 0	13	7.00	.30	N	--	70	N	N	N	20
JAF174	47 1 56	112 23 0	13	1.50	.70	N	--	15	3.0	N	N	20
JAF186	47 1 55	112 23 37	13	1.50	.30	.07	--	100	N	N	N	30
JAF187	47 1 55	112 23 27	13	1.50	.70	.07	--	300	N	N	N	50
JAF188	47 1 53	112 23 20	13	3.00	1.50	.10	--	300	N	N	N	150
JAF189	47 1 53	112 23 12	13	1.50	.20	.05	--	150	N	N	N	20
JAF190	47 1 54	112 23 5	13	.70	.20	N	--	10	N	N	N	20
JAF191	47 1 54	112 23 5	13	7.00	.05	<.05	--	150	.5	N	N	20
JAF227	47 1 17	112 23 33	13	2.00	.50	.05	--	200	N	N	N	30
JAF228	47 1 20	112 23 6	13	5.00	1.50	1.50	--	700	N	N	N	20
JAF229	47 1 17	112 23 0	13	2.00	.20	.05	--	70	N	N	N	20
JAF231	47 1 25	112 23 47	13	3.00	1.00	.20	--	2,000	N	N	N	70
JAF232	47 1 23	112 23 45	13	2.00	1.00	.07	--	300	N	N	N	70
JAF226	47 1 30	112 24 10	14	1.00	.30	.07	--	70	N	N	N	50
JAF230	47 1 30	112 24 0	14	1.50	.70	.07	--	150	N	N	N	50
RP255R	47 1 5	112 26 0	15	2.00	--	.15	--	700	N	N	N	--
JAE271	47 1 19	112 33 45	16	1.50	3.00	3.00	.500	2,000	2.0	N	N	30
JAE270	47 1 16	112 34 39	17	3.00	2.00	.07	.300	150	.5	N	N	50
JAE269	47 1 56	112 37 23	18	1.50	2.00	3.00	.300	1,500	7.0	N	N	20
R225	47 1 11	112 39 24	19	3.00	7.00	15.00	.070	1,000	N	N	N	20
R213	47 1 56	112 40 21	20	.70	1.50	20.00	.070	700	N	N	N	15
R214	47 1 48	112 40 18	20	10.00	3.00	3.00	.700	1,000	N	N	N	20
R215	47 1 25	112 40 6	20	2.00	7.00	10.00	.150	700	N	N	N	--
JAF1714	47 1 30	113 43 30	21	3.00	--	.15	--	300	N	N	N	--
EFB275	47 2 0	112 3 0	22	2.00	1.50	2.00	.300	300	N	N	N	150
JAF165	47 2 2	112 22 40	23	7.00	.15	.07	--	30	.7	N	N	20
JAF166	47 2 5	112 22 35	23	3.00	.30	.05	--	50	7.0	<200	N	20
JAF167	47 2 10	112 22 31	23	20.00	.20	N	--	10	.5	N	N	20
JAF168	47 2 13	112 22 28	23	1.50	.50	N	--	150	1.0	N	N	20

sample	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
EFD163	100	5.0	N	N	20	50	7	200	N	50	15	15
EFD164	1,500	5.0	N	N	10	10	70	--	5	N	10	30
JAF716	--	5.0	N	N	--	N	10	--	N	--	N	20
JAE277	300	5.0	N	N	7	20	15,000	--	N	N	15	10
RP257AR	1,000	--	N	N	7	50	100	20	N	--	15	300
RP257BR	70	--	N	N	30	100	100	<20	N	--	70	70
RP220R	700	--	N	N	150	30	70	50	5	--	200	<10
JAF715	--	5.0	N	N	--	N	7	--	N	--	N	20
EFB276	1,000	5.0	N	N	15	100	20	--	N	N	70	20
JAF719	--	5.0	N	N	--	20	>20,000	--	N	--	15	20
JAF720	>5,000	5.0	N	150	--	N	20,000	--	N	--	5	70
JAF721	>5,000	5.0	N	30	--	N	3,000	--	N	--	5	20
JAE265	5,000	5.0	70	N	5	<10	>20,000	--	10	N	<5	20
JAF722	2,000	5.0	100	N	--	N	>20,000	--	N	--	5	20
RP236DR	20	--	30	500	7	<10	7,000	<20	N	--	7	>20,000
RP237R	150	--	N	500	5	<10	2,000	30	N	--	15	>20,000
JAF175	200	5.0	N	N	N	50	30	--	N	--	5	20
JAF176	300	5.0	N	N	N	50	150	--	5	--	<5	150
JAF177	300	5.0	N	N	N	50	20	--	N	--	<5	500
JAF178	100	5.0	N	N	7	50	700	--	300	--	7	500
JAF179	1,500	5.0	N	N	N	50	100	--	150	--	5	100
JAF173	200	5.0	N	N	<5	50	150	--	N	--	N	20
JAF174	1,000	5.0	10	N	N	50	15	--	N	--	N	100
JAF186	300	5.0	N	N	N	50	<5	--	N	--	5	20
JAF187	700	5.0	N	N	5	50	10	--	N	--	15	30
JAF188	300	5.0	N	N	5	70	N	--	N	--	30	30
JAF189	1,000	5.0	N	N	N	50	70	--	N	--	10	50
JAF190	200	5.0	N	N	N	50	7	--	N	--	N	20
JAF191	200	5.0	N	N	N	50	100	--	20	--	N	70
JAF227	300	5.0	N	N	<5	50	50	--	N	--	7	20
JAF228	2,000	5.0	N	N	10	50	15	--	N	--	50	50
JAF229	1,000	5.0	N	N	<5	50	100	--	N	--	15	50
JAF231	700	5.0	N	N	7	50	N	--	N	--	15	30
JAF232	1,000	5.0	N	N	5	50	<5	--	N	--	10	30
JAF226	300	5.0	N	N	N	50	<5	--	N	--	<5	20
JAF230	200	5.0	N	N	5	50	20	--	N	--	10	30
RP255R	300	--	N	N	7	50	15	50	N	--	20	50
JAE271	3,000	5.0	N	N	10	70	5,000	--	N	N	30	20
JAE270	500	5.0	N	N	10	50	500	--	<5	N	50	15
JAE269	3,000	5.0	N	N	10	30	2,000	--	<5	N	30	70
R225	500	<1.0	N	N	N	200	5	20	N	N	5	20
R213	300	<1.0	N	N	N	<10	<5	30	N	N	N	N
R214	2,000	<1.0	N	N	50	20	200	20	N	N	10	15
R215	700	<1.0	N	N	<5	20	5	20	N	N	10	15
JAF714	--	5.0	N	N	--	70	15	--	N	--	20	30
EFB275	700	5.0	N	N	10	50	200	--	5	N	30	20
JAF165	500	5.0	N	N	N	50	50	--	5	--	N	100
JAF166	1,000	5.0	N	N	N	50	50	--	50	--	N	150
JAF167	200	5.0	N	N	N	50	700	--	100	--	N	150
JAF168	1,500	5.0	N	N	N	50	50	--	100	--	N	20

Choteau rock

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
EFD163	N	15	N	150	200	N	70	300	300	--	.02
EFD164	N	7	N	700	150	N	15	N	100	--	<.02
JAF116	N	--	N	--	20	N	--	N	--	N	.02
JAE277	N	5	N	<100	30	N	20	N	200	N	.40
RP257AR	N	--	N	--	50	N	20	<200	--	--	--
RP257BR	N	--	N	--	300	N	30	1,000	--	--	--
RP220R	N	--	N	--	150	N	70	300	--	--	--
JAF715	N	--	N	--	<10	N	--	N	--	N	N
EFD276	N	15	N	150	200	N	20	N	150	--	.02
JAF719	150	--	N	--	50	N	--	500	--	N	>10.00
JAF720	10,000	--	N	5,000	<10	N	--	10,000	--	N	>10.00
JAF721	200	--	N	>5,000	20	N	--	700	--	N	>10.00
JAE265	<100	N	N	200	10	N	<10	N	<10	N	3.70
JAF722	N	--	N	--	<10	N	--	>10,000	--	N	.60
RP236DR	100	--	N	--	70	N	10	N	--	--	--
RP237R	200	--	N	--	30	N	10	>10,000	--	--	--
JAF175	N	--	N	--	30	N	--	N	--	--	--
JAF176	N	--	N	--	30	<50	--	N	--	--	<.02
JAF177	N	--	N	--	50	N	--	N	--	--	.03
JAF178	N	--	N	--	3,000	50	--	N	--	--	.23
JAF179	N	--	N	--	100	100	--	N	--	--	.07
JAF173	N	--	N	--	70	50	--	N	--	--	.03
JAF174	N	--	N	--	50	70	--	N	--	--	<.02
JAF186	N	--	N	--	30	N	--	N	--	--	.06
JAF187	N	--	N	--	30	N	--	N	--	--	N
JAF188	N	--	N	--	70	N	--	N	--	--	<.02
JAF189	N	--	N	--	30	N	--	N	--	--	N
JAF190	N	--	N	--	30	<50	--	N	--	--	N
JAF191	N	--	N	--	30	N	--	N	--	--	<.02
JAF227	N	--	N	--	30	N	--	N	--	--	.03
JAF228	N	--	N	--	100	N	--	N	--	--	.03
JAF229	N	--	N	--	30	N	20	N	--	--	N
JAF231	N	--	N	--	50	N	30	N	--	--	.03
JAF232	N	--	N	--	30	N	30	N	--	--	.02
JAF226	N	--	N	--	30	N	--	N	--	--	.03
JAF230	N	--	N	--	30	N	--	N	--	--	.06
RP255R	N	--	N	--	50	N	20	N	--	--	--
JAE271	N	10	N	100	70	N	20	N	150	N	.04
JAE270	N	10	<10	N	50	N	50	N	200	N	N
JAE269	N	7	N	150	20	N	30	N	200	N	.06
R225	N	<5	N	N	20	N	20	N	50	N	.06
R213	N	N	N	500	20	N	10	N	<20	N	<.02
R214	N	20	N	500	300	N	20	N	100	N	.04
R215	N	7	N	<100	30	N	15	N	50	N	<.02
JAF714	N	--	N	150	100	N	--	N	150	N	.04
EFD275	N	10	N	--	50	50	20	N	--	--	N
JAF165	N	--	N	--	70	50	--	N	--	--	.05
JAF166	N	--	N	--	300	<50	--	N	--	--	.02
JAF167	N	--	N	--	100	100	--	N	--	--	<.02
JAF168	N	--	N	--	100	100	--	N	--	--	N

sample	latitude	longitude	MAP_NO.	S-FEZ	S-MGZ	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
JAF169	47 2 16	112 22 24	23	1.50	.50	N	--	70	N	N	N	20
JAF170	47 2 27	112 22 2	23	15.00	2.00	5.00	--	5,000	7.0	N	N	20
JAF171	47 2 31	112 22 0	23	3.00	1.00	.70	--	500	N	N	N	50
JAF172	47 2 0	112 22 47	23	10.00	.50	<.05	--	15	N	N	N	20
JAF183	47 2 57	112 22 28	23	15.00	.30	N	--	100	20.0	300	N	30
JAF184	47 2 50	112 22 32	23	1.50	.20	N	--	15	15.0	N	N	20
JAF185	47 2 33	112 22 30	23	3.00	.50	N	--	15	3.0	N	N	20
RP236AR	47 2 40	112 23 38	24	20.00	--	<.05	--	200	300.0	N	N	--
RP236BR	47 2 18	112 23 7	24	1.50	--	.30	--	70	1.5	N	N	--
RP236CR	47 2 18	112 23 7	24	5.00	--	.07	--	300	2.0	N	N	--
JAF192	47 2 56	112 23 18	24	.70	.15	N	--	15	N	N	N	20
JAF193	47 2 53	112 23 19	24	3.00	.70	1.50	--	200	N	N	N	20
JAF194	47 2 50	112 23 20	24	20.00	.70	2.00	--	1,000	.5	N	N	20
JAF195	47 2 50	112 23 20	24	15.00	1.00	3.00	--	1,500	1.0	N	N	20
JAF223	47 2 59	112 23 40	24	2.00	.70	<.05	--	200	20.0	N	N	50
JAF224	47 2 53	112 23 40	24	3.00	.50	<.05	--	200	7.0	N	N	20
JAF225	47 2 59	112 23 53	24	5.00	3.00	2.00	--	700	N	N	N	20
JAF216	47 2 32	112 27 57	25	3.00	.50	.07	--	500	N	N	N	150
JAF217	47 2 26	112 27 29	25	15.00	2.00	5.00	--	1,500	N	N	N	30
JAF218	47 2 22	112 27 29	25	10.00	.30	.05	--	150	N	N	N	100
JAE242	47 2 47	112 28 48	26	2.00	.50	2.00	.500	100	N	N	N	N
JAE244	47 2 32	112 28 59	26	5.00	.70	2.00	.300	5,000	N	N	N	N
JAE245	47 2 27	112 28 57	26	1.50	.50	1.50	.200	150	N	N	N	N
JAF205	47 2 25	112 28 54	26	3.00	.70	2.00	--	700	N	N	N	20
JAF206	47 2 28	112 28 57	26	10.00	.70	1.50	--	500	N	N	N	20
JAF207	47 2 29	112 28 58	26	3.00	.70	1.50	--	700	N	N	N	20
JAF209	47 2 36	112 28 55	26	5.00	1.00	2.00	--	500	N	N	N	20
JAF210	47 2 39	112 28 50	26	10.00	.70	2.00	--	3,000	N	N	N	20
JAF211	47 2 42	112 28 52	26	7.00	.70	1.50	--	300	N	N	N	20
JAF212	47 2 48	112 28 47	26	7.00	.50	1.00	--	1,500	N	N	N	20
JAF213	47 2 49	112 28 47	26	5.00	.70	.10	--	70	N	N	N	200
JAF214	47 2 50	112 28 47	26	5.00	.30	.50	--	200	N	N	N	100
JAF215	47 2 42	112 28 56	26	3.00	.30	1.50	--	150	N	N	N	20
JAE243	47 2 36	112 29 2	27	1.50	.70	1.50	.300	150	N	N	N	N
JAF208	47 2 33	112 29 5	27	7.00	1.00	1.50	--	1,000	N	N	N	20
R181	47 2 58	112 36 49	28	1.00	1.00	10.00	.150	1,000	N	N	N	10
R182	47 2 42	112 36 59	28	5.00	2.00	.07	.300	150	N	N	N	30
R184	47 2 30	112 36 22	28	7.00	2.00	.10	.300	1,000	N	N	N	70
R183	47 2 28	112 37 4	29	1.50	.30	.05	.200	100	N	N	N	20
R216	47 2 9	112 38 19	30	3.00	5.00	5.00	.200	500	N	N	N	100
R163	47 2 58	112 39 13	31	3.00	5.00	10.00	.050	1,000	N	N	N	<10
R164	47 2 58	112 39 4	31	3.00	3.00	10.00	.150	500	N	N	N	50
R218	47 2 54	112 39 12	31	10.00	5.00	10.00	.500	1,500	N	N	N	N
R219	47 2 51	112 39 5	31	5.00	3.00	10.00	.300	500	N	N	N	150
R220	47 2 41	112 39 12	31	3.00	7.00	10.00	.150	1,500	N	N	N	30
R221	47 2 35	112 39 16	31	1.00	2.00	1.00	.200	100	N	N	N	70
R222	47 2 32	112 39 16	31	10.00	3.00	3.00	.500	1,500	N	N	N	N
R223	47 2 22	112 39 22	31	3.00	3.00	15.00	.200	700	N	N	N	70
R224	47 2 6	112 39 30	31	.70	.50	20.00	.030	700	N	N	N	N
R207	47 2 53	112 40 42	32	3.00	3.00	5.00	.150	1,000	N	N	N	70

Choteau rock--continued

sample	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
JAF169	1,000	5.0	N	N	N	50	30	--	5	--	N	30
JAF170	100	5.0	N	N	70	50	500	--	N	--	50	70
JAF171	300	5.0	N	N	<5	50	20	--	N	--	15	200
JAF172	500	5.0	N	N	N	100	200	--	30	--	N	100
JAF183	300	5.0	10	N	N	50	500	--	N	--	N	2,000
JAF184	>5,000	5.0	N	N	N	50	30	--	5	--	N	70
JAF185	1,000	5.0	N	N	N	50	20	--	50	--	N	1,000
RP236AR	20	--	300	100	10	N	1,500	<20	N	--	10	>20,000
RP236BR	700	--	N	N	15	20	1,000	200	2,000	--	15	100
RP236CR	1,000	--	N	N	15	15	1,500	70	200	--	30	50
JAF192	300	5.0	N	N	N	50	7	--	<5	--	N	20
JAF193	1,500	5.0	N	N	7	70	70	--	N	--	30	100
JAF194	500	5.0	N	N	7	50	70	--	N	--	<5	50
JAF195	500	5.0	N	N	15	50	100	--	N	--	5	20
JAF223	700	5.0	N	N	<5	50	20	--	N	--	<5	500
JAF224	1,000	5.0	15	N	N	50	20	--	N	--	N	100
JAF225	1,500	5.0	N	N	10	150	20	--	N	--	70	70
JAF216	500	5.0	N	N	10	50	N	--	N	--	70	50
JAF217	100	5.0	N	N	50	100	200	--	N	--	70	20
JAF218	500	5.0	N	N	7	70	10	--	N	--	30	50
JAE242	2,000	5.0	N	N	10	50	50	70	N	N	70	--
JAE244	5,000	5.0	N	N	30	50	20	70	N	N	10	--
JAE245	2,000	5.0	N	N	5	30	10	50	N	N	20	100
JAE205	1,500	5.0	N	N	10	50	30	--	N	--	20	70
JAF206	1,500	5.0	N	N	10	50	15	--	N	--	30	70
JAF207	1,500	5.0	N	N	7	50	20	--	N	--	70	70
JAF209	1,500	5.0	N	N	10	100	20	--	N	--	30	70
JAF210	1,500	5.0	N	N	50	150	70	--	N	--	70	70
JAF211	1,000	5.0	N	N	10	100	20	--	N	--	50	50
JAF212	2,000	5.0	N	N	15	50	20	--	N	--	30	50
JAF213	300	5.0	N	N	5	50	7	--	N	--	15	20
JAF214	1,000	5.0	N	N	5	50	7	--	N	--	15	20
JAF215	1,500	5.0	N	N	7	50	10	--	N	--	30	50
JAE243	1,500	5.0	N	N	10	20	50	50	N	N	20	20
JAF208	1,500	5.0	N	N	10	50	10	30	N	N	7	15
R181	>5,000	N	N	N	N	10	30	30	N	N	20	30
R182	500	2.0	N	N	5	70	N	50	N	N	30	30
R184	300	3.0	N	N	15	70	N	50	N	N	7	<10
R183	700	<1.0	N	N	<5	10	N	<20	N	N	20	15
R216	2,000	2.0	N	N	7	50	5	<20	N	N	<5	<10
R163	150	N	N	N	N	70	30	30	N	N	15	20
R164	500	1.0	N	N	5	15	30	30	N	N	30	<10
R218	1,000	1.0	N	N	50	100	200	20	N	N	30	<10
R219	2,000	3.0	N	N	15	100	15	50	N	N	30	<10
R220	500	1.0	N	N	7	30	5	30	N	N	10	<10
R221	1,000	2.0	N	N	10	20	10	20	N	N	10	10
R222	1,500	<1.0	N	N	50	500	100	30	N	N	200	20
R223	2,000	2.0	N	N	7	50	10	30	N	N	15	20
R224	200	<1.0	N	N	N	<10	15	20	N	N	<5	15
R207	2,000	2.0	N	N	7	50	N	50	N	N	20	10

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
JAF169	N	--	N	--	70	50	--	N	--	--	N
JAF170	N	--	N	--	700	N	--	500	--	--	<.02
JAF171	N	--	N	--	50	<50	--	N	--	--	N
JAF172	N	--	N	--	100	50	--	N	--	--	.02
JAF183	N	--	N	--	70	N	--	N	--	--	.21
JAF184	N	--	N	--	30	<50	--	N	--	--	N
JAF185	N	--	N	--	70	50	--	N	--	--	<.02
RP236AR	N	--	N	--	30	N	15	10,000	--	--	--
RP236BR	N	--	N	--	100	<50	10	N	--	--	--
RP236CR	N	--	N	--	70	N	10	N	--	--	--
JAF192	N	--	N	--	20	<50	--	N	--	--	--
JAF193	N	--	N	--	70	N	--	N	--	--	N
JAF194	N	--	N	--	200	50	--	N	--	--	.03
JAF195	N	--	N	--	150	N	--	N	--	--	N
JAF223	N	--	N	--	70	N	--	N	--	--	N
JAF224	N	--	N	--	50	N	--	N	--	--	.05
JAF225	N	--	N	--	100	N	--	N	--	--	.05
JAF216	N	--	N	--	70	N	--	N	--	--	N
JAF217	N	--	N	--	500	N	--	N	--	--	.35
JAF218	N	--	N	--	200	N	--	<200	--	--	<.02
JAE242	N	5	N	2,000	70	N	<10	200	--	--	.92
JAE244	N	20	N	1,500	100	N	20	200	70	N	.02
JAE245	N	<5	N	1,500	50	N	<10	N	70	N	<.02
JAF205	N	--	N	--	50	N	--	N	--	--	N
JAF206	N	--	N	--	70	N	--	N	--	--	<.02
JAF207	N	--	N	--	70	N	--	N	--	--	N
JAF209	N	--	N	--	70	N	--	N	--	--	N
JAF210	N	--	N	--	150	N	--	N	--	--	<.02
JAF211	N	--	N	--	100	N	--	N	--	--	N
JAF212	N	--	N	--	70	N	--	N	--	--	N
JAF213	N	--	N	--	70	N	--	N	--	--	.03
JAF214	N	--	N	--	70	N	--	N	--	--	.04
JAF215	N	--	N	--	50	N	--	N	--	--	.02
JAE243	N	<5	N	1,000	70	N	--	N	70	N	<.02
JAF208	N	--	N	--	70	N	--	N	--	--	.05
R181	N	<5	N	1,000	15	N	30	N	200	N	N
R182	N	10	N	N	50	N	20	N	300	N	N
R184	N	15	N	N	70	N	30	N	200	N	N
R183	N	5	N	N	20	N	10	N	150	N	N
R216	N	10	N	<100	70	N	30	N	200	N	.04
R163	N	<5	N	<100	15	N	15	N	30	N	<.02
R164	N	7	N	300	20	N	20	N	150	N	.04
R218	N	20	N	N	200	N	20	N	50	N	<.02
R219	N	15	N	N	100	N	30	N	200	N	N
R220	N	5	N	<100	20	N	30	N	100	N	.08
R221	N	5	N	N	30	N	10	N	200	N	.06
R222	N	30	N	700	200	N	20	N	150	N	<.02
R223	N	10	N	100	50	N	30	N	150	N	.04
R224	N	N	N	150	20	N	15	N	20	N	.20
R207	N	7	N	N	30	N	30	1,000	150	N	.12

Chateau rock--continued

sample	Latitude	Longitude	MAP_NO.	S-FEX	S-MGX	S-CAX	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
R208	47 2 31	112 40 27	32	1.50	2.00	20.00	.100	700	N	N	N	20
R209	47 2 23	112 40 27	32	1.00	3.00	20.00	.100	1,000	N	N	N	15
R210	47 2 19	112 40 28	32	10.00	2.00	2.00	.500	1,000	N	N	N	10
R211	47 2 7	112 40 23	32	1.00	1.50	20.00	.100	1,000	N	N	N	<10
R212	47 2 0	112 40 22	32	5.00	5.00	3.00	.300	2,000	N	N	N	<10
R206	47 2 56	112 41 13	33	3.00	2.00	.10	.300	150	N	N	N	50
R158	47 2 49	112 42 57	34	15.00	3.00	5.00	1.000	3,000	5.0	700	<10	15
R201	47 2 59	112 43 44	35	15.00	2.00	5.00	1.000	1,500	N	N	N	N
R202	47 2 55	112 43 43	35	5.00	2.00	.05	.200	300	N	N	N	N
R203	47 2 39	112 43 53	35	3.00	1.50	.07	.200	200	N	N	N	N
R204	47 2 34	112 43 57	35	2.00	2.00	2.00	.200	700	N	N	N	N
R205	47 2 12	112 43 58	35	10.00	5.00	10.00	.700	3,000	N	N	N	N
R247	47 2 52	112 44 42	36	3.00	2.00	.30	.300	700	N	N	N	70
R248	47 2 45	112 44 44	36	3.00	1.50	<.05	.200	200	N	N	N	50
R249	47 2 39	112 44 49	36	15.00	3.00	7.00	1.000	1,500	N	N	N	<10
R250	47 2 27	112 44 52	36	5.00	2.00	.10	.200	500	N	N	N	70
EFB274	47 3 0	112 3 0	37	5.00	.50	.30	.700	300	N	N	N	100
RP243R	47 3 14	112 21 47	38	1.50	.70	5.00	--	>5,000	300.0	300	N	--
JAE238	47 3 35	112 21 1	38	.50	.20	<.05	.030	2,000	15.0	N	N	N
JAE239	47 3 18	112 21 47	38	1.00	3.00	3.00	.200	1,000	10.0	N	N	30
JAE278	47 3 59	112 22 41	39	7.00	2.00	1.50	--	1,500	N	N	N	20
JAF181	47 3 8	112 22 14	39	3.00	.30	.05	--	70	30.0	N	N	30
JAF182	47 3 3	112 22 23	39	2.00	2.00	20.00	--	1,500	N	N	N	100
JAF219	47 3 45	112 23 18	40	5.00	5.00	10.00	--	2,000	1.5	N	N	20
JAF220	47 3 28	112 23 21	40	3.00	.70	1.00	--	700	1.0	N	N	100
JAF221	47 3 28	112 23 20	40	3.00	1.00	.20	--	500	N	N	N	70
JAF222	47 3 10	112 23 35	40	10.00	.20	.30	.700	3,000	N	N	N	70
JAE240	47 3 33	112 29 27	41	1.50	.30	.07	.200	70	70.0	200	N	50
JAE241	47 3 33	112 29 27	41	5.00	3.00	3.00	.500	2,000	N	N	N	30
R178	47 3 18	112 36 58	42	3.00	3.00	10.00	.200	500	N	N	N	30
R179	47 3 10	112 36 59	42	3.00	2.00	.20	1.000	2,000	N	N	N	<10
R180	47 3 2	112 36 54	42	7.00	2.00	.70	.200	300	N	N	N	50
R169	47 3 31	112 37 53	43	3.00	2.00	.70	.005	15	N	N	N	N
R170	47 3 44	112 37 42	43	.07	.07	N	.300	200	N	N	N	50
R171	47 3 47	112 37 36	43	3.00	2.00	.07	.200	700	N	N	N	50
R172	47 3 50	112 37 33	43	2.00	2.00	2.00	.200	500	N	N	N	70
R173	47 3 57	112 37 34	43	2.00	2.00	.30	1.000	3,000	N	N	N	50
R174	47 3 37	112 37 33	43	15.00	5.00	5.00	.300	1,500	N	N	N	70
R175	47 3 32	112 37 33	43	5.00	3.00	2.00	.300	500	N	N	N	50
R176	47 3 23	112 37 9	43	3.00	3.00	1.00	.200	700	N	N	N	70
R177	47 3 19	112 37 8	43	5.00	3.00	3.00	.200	500	N	N	N	50
R165	47 3 12	112 38 56	44	3.00	3.00	7.00	.070	700	N	N	N	<10
R166	47 3 26	112 38 50	44	2.00	10.00	10.00	.050	700	N	N	N	N
R167	47 3 25	112 38 7	44	1.00	3.00	20.00	.300	200	N	N	N	70
R168	47 3 25	112 38 5	44	7.00	3.00	1.00	.150	500	N	N	N	50
R162	47 3 17	112 40 5	45	2.00	1.50	2.00	.300	1,500	N	N	N	<10
R159	47 3 25	112 41 27	46	3.00	3.00	2.00	.300	700	N	N	N	100
R160	47 3 23	112 41 19	46	3.00	3.00	2.00	.300	100	N	N	N	50
R161	47 3 17	112 41 11	46	2.00	3.00	.50	.300	100	N	N	N	50
R79	47 3 23	112 41 58	46	2.00	3.00	.50	.300	100	N	N	N	50

sample	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
R208	300	<1.0	N	N	5	20	10	30	N	N	5	<10
R209	500	<1.0	N	N	N	30	<5	50	N	N	<5	20
R210	2,000	1.5	N	N	50	70	100	20	N	N	30	30
R211	500	<1.0	N	N	N	30	N	30	N	N	<5	20
R212	1,500	<1.0	N	N	30	200	100	20	N	N	20	20
R206	300	2.0	N	N	10	50	N	30	N	<20	70	15
R158	700	3.0	N	N	30	200	>20,000	30	N	N	100	50
R201	300	1.5	N	N	30	15	300	30	N	N	30	<10
R202	700	1.5	N	N	7	70	N	50	N	N	30	10
R203	500	1.5	N	N	7	50	N	50	N	N	30	10
R204	200	2.0	N	N	7	20	30	50	N	N	30	<10
R205	1,500	2.0	N	N	30	100	150	50	N	N	70	30
R247	700	2.0	N	N	15	70	N	70	N	N	30	20
R248	300	1.5	N	N	15	50	20	30	N	N	30	15
R249	150	<1.0	N	N	70	150	300	<20	N	N	70	15
R250	500	2.0	N	N	15	30	N	50	N	N	50	20
EFB274	500	5.0	N	N	15	100	50	--	N	N	70	30
RP243R	70	--	N	300	20	N	1,000	--	N	--	20	>20,000
JAE238	2,000	5.0	N	N	10	20	10	20	N	N	15	--
JAE239	300	5.0	<10	N	N	N	15	20	N	20	N	--
JAE278	1,500	5.0	N	N	7	30	5,000	--	<5	N	20	10
JAF181	2,000	5.0	N	N	30	70	7	--	<5	--	70	150
JAF182	300	5.0	N	N	N	50	150	--	5	--	N	200
JAF219	700	5.0	N	N	5	50	700	--	N	--	10	50
JAF220	2,000	5.0	N	N	7	50	30	--	N	--	20	30
JAF221	1,500	5.0	N	N	7	50	15	--	N	--	20	150
JAF222	500	5.0	N	N	7	50	15	--	N	--	15	150
JAE240	200	5.0	N	N	30	50	200	--	10	N	70	--
JAE241	500	5.0	N	N	5	50	10,000	30	7	N	10	--
R178	1,000	2.0	15	N	7	50	N	30	N	N	30	<10
R179	300	1.5	N	N	<5	30	N	50	N	N	15	<10
R180	300	1.5	N	N	5	20	5	20	N	N	20	<10
R169	1,500	<1.0	N	N	20	70	30	30	N	N	50	10
R170	700	2.0	N	N	7	30	N	30	N	N	30	<10
R171	150	N	N	N	N	N	N	N	N	N	N	N
R172	1,500	2.0	N	N	5	30	5	30	N	N	20	10
R173	500	2.0	N	N	5	30	10	30	N	N	20	10
R174	1,500	2.0	N	N	5	15	N	30	N	N	15	<10
R175	2,000	3.0	N	N	30	150	70	50	N	N	100	<10
R176	300	2.0	N	N	5	50	N	30	N	N	20	<10
R177	500	3.0	N	N	5	30	N	70	N	N	15	<10
R165	5,000	1.5	N	N	7	50	70	50	N	N	20	10
R166	500	1.5	N	N	<5	50	70	50	N	N	15	<10
R167	200	N	N	N	N	10	N	<20	N	N	<5	N
R168	100	N	N	N	N	<10	N	30	N	N	N	20
R162	1,500	2.0	N	N	7	50	N	50	N	N	30	<10
R159	700	3.0	N	N	5	150	70	100	N	N	10	<10
R160	1,500	1.0	N	N	7	20	20	50	N	N	10	10
R161	700	3.0	N	N	7	1,500	<5	150	N	N	20	<10
R79	700	3.0	N	N	7	30	15	30	N	N	20	20

Choteau rock--continued

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
R208	N	<5	N	100	20	N	15	N	50	N	.12
R209	N	<5	N	100	15	N	20	N	70	N	.04
R210	N	20	N	500	150	N	20	N	100	N	.04
R211	N	<5	N	200	20	N	20	N	100	N	.02
R212	N	10	N	1,000	70	N	10	N	70	N	.02
R206	N	10	N	N	50	N	30	N	200	N	<.02
R158	N	50	N	N	500	70	50	N	300	14.00	.04
R201	N	30	N	200	300	N	70	200	200	N	N
R202	N	15	N	N	70	N	30	N	300	N	N
R203	N	10	N	N	50	N	30	N	200	N	N
R204	N	7	N	N	30	N	20	N	200	N	N
R205	N	30	N	1,500	300	N	30	N	200	N	N
R247	N	15	N	<100	70	N	50	N	200	N	N
R248	N	10	N	N	50	N	20	N	150	N	N
R249	N	50	N	200	300	N	70	N	150	N	.02
R250	N	15	N	N	70	N	50	N	200	N	N
EFB274	N	15	N	100	150	N	30	N	150	N	.02
RP243R	<100	--	N	--	150	N	20	>10,000	--	--	--
JAE238	N	<5	N	700	70	N	<10	N	50	N	N
JAE239	N	<5	N	N	N	N	10	300	50	N	.08
JAE278	N	5	N	<100	50	N	20	N	70	N	.02
JAF181	N	--	N	--	100	50	--	500	--	--	N
JAF182	N	--	N	--	70	<50	--	N	--	--	.04
JAF219	N	--	N	--	30	N	--	N	--	--	.04
JAF220	N	--	N	--	30	N	--	N	--	--	.03
JAF221	N	--	N	--	70	N	--	200	--	--	.02
JAF222	N	--	N	--	70	N	--	200	--	--	.02
JAE240	N	20	N	<100	300	N	50	200	150	N	.12
JAE241	100	7	N	100	70	N	15	N	150	N	8.00
R178	N	10	N	<100	70	N	30	N	300	N	N
R179	N	7	N	<100	70	N	30	N	150	N	N
R180	N	7	N	N	30	N	20	N	200	N	N
R169	N	20	N	300	200	N	20	N	150	N	N
R170	N	10	N	N	50	N	20	N	300	N	<.02
R171	N	N	N	N	<10	N	N	N	<10	N	.02
R172	N	7	N	N	30	N	20	N	700	N	N
R173	N	10	N	N	50	N	20	N	300	N	N
R174	N	7	N	N	50	N	20	N	200	N	N
R175	N	30	N	N	300	N	30	N	200	N	N
R176	N	10	N	N	70	N	30	N	200	N	N
R177	N	10	N	N	70	N	50	N	200	N	N
R165	N	10	N	N	30	N	30	N	150	N	N
R166	N	10	N	N	50	N	30	N	150	N	N
R167	N	<5	N	N	10	N	10	N	30	N	.04
R168	N	N	N	700	10	N	30	N	15	N	N
R162	N	10	N	N	50	N	50	N	300	N	N
R159	N	10	N	N	30	N	70	N	200	N	N
R160	N	10	N	1,500	70	N	15	N	200	N	N
R161	N	15	N	N	50	N	70	N	500	N	N
R79	N	10	N	N	50	N	30	N	200	N	.04

sample	latitude	longitude	MAP_NO.	S-FEX	S-MGX	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
R80	47 3 26	112 41 58	46	3.00	5.00	7.00	.200	1,000	N	N	N	20
R81	47 3 44	112 41 41	46	2.00	3.00	7.00	.200	500	N	N	N	30
R86	47 3 20	112 41 59	46	1.50	3.00	15.00	.150	700	N	N	N	15
R191	47 3 56	112 43 39	47	3.00	5.00	3.00	.300	1,000	N	N	N	50
R192	47 3 52	112 43 44	47	1.50	1.50	1.00	.300	500	N	N	N	20
R193	47 3 43	112 43 40	47	5.00	3.00	3.00	.300	300	N	N	N	70
R194	47 3 41	112 43 38	47	3.00	2.00	2.00	.200	500	<.5	N	N	30
R195	47 3 33	112 43 37	47	5.00	2.00	.07	.300	150	N	N	N	50
R196	47 3 24	112 43 42	47	5.00	2.00	.20	.500	1,000	N	N	N	50
R197	47 3 20	112 43 42	47	10.00	2.00	3.00	.700	2,000	N	N	N	10
R198	47 3 14	112 43 43	47	5.00	2.00	.50	.500	1,000	N	N	N	70
R199	47 3 11	112 43 44	47	15.00	1.50	3.00	1.000	2,000	N	N	N	N
R200	47 3 4	112 43 44	47	5.00	1.00	.10	.300	300	5.0	N	N	N
R237	47 3 51	112 43 51	47	3.00	2.00	.50	.200	300	N	N	N	50
R238	47 3 50	112 44 12	48	5.00	2.00	.07	.200	500	N	N	N	50
R239	47 3 46	112 44 17	48	1.50	.30	<.05	.200	500	N	N	N	30
R240	47 3 37	112 44 18	48	3.00	2.00	.10	.200	200	N	N	N	70
R241	47 3 29	112 44 30	48	5.00	2.00	.10	.300	500	N	N	N	50
R242	47 3 27	112 44 31	48	10.00	3.00	5.00	.500	2,000	N	N	N	10
R243	47 3 23	112 44 35	48	.15	.02	N	.007	20	N	N	N	N
R244	47 3 18	112 44 33	48	1.50	.20	.15	.200	300	N	N	N	N
R245	47 3 8	112 44 38	48	15.00	.30	7.00	1.000	2,000	N	N	N	N
R246	47 3 7	112 44 43	48	5.00	3.00	2.00	.300	1,500	N	N	N	15
R065	47 3 54	112 46 59	49	7.00	.70	2.00	.300	1,000	N	N	N	20
B73	47 3 55	112 46 16	49	3.00	3.00	2.00	.200	1,500	N	N	N	50
B74	47 3 52	112 46 14	49	10.00	3.00	5.00	>1.000	1,000	N	N	N	N
B75	47 3 48	112 46 14	49	7.00	2.00	5.00	1.000	1,500	N	N	N	N
B76	47 3 50	112 46 21	49	7.00	3.00	5.00	1.000	1,500	N	N	N	N
B77	47 3 41	112 46 24	49	5.00	2.00	.50	.300	700	N	N	N	15
B066	47 3 48	112 47 0	50	15.00	2.00	5.00	>1.000	2,000	N	N	N	15
B067	47 3 42	112 47 1	50	15.00	2.00	5.00	1.000	2,000	N	N	N	15
B068	47 3 38	112 47 6	50	15.00	3.00	7.00	1.000	1,500	N	N	N	N
B069	47 3 34	112 47 5	50	7.00	5.00	7.00	.700	2,000	N	N	N	N
B070	47 3 30	112 47 2	50	10.00	3.00	5.00	.700	1,500	N	N	N	N
B071	47 3 30	112 47 10	50	15.00	3.00	7.00	1.000	1,500	N	N	N	N
B072	47 3 25	112 47 58	50	.70	.30	<.05	.200	100	N	N	N	10
B073	47 3 22	112 47 10	50	3.00	3.00	2.00	.200	1,500	N	N	N	50
9074	47 3 19	112 47 2	50	10.00	3.00	5.00	>1.000	1,000	N	N	N	N
B075	47 3 14	112 47 1	50	7.00	2.00	5.00	1.000	1,500	N	N	N	N
B076	47 3 20	112 47 15	50	7.00	3.00	5.00	1.000	1,500	N	N	N	N
B077	47 3 14	112 47 20	50	5.00	2.00	.50	.300	700	N	N	N	15
R262	47 3 49	112 47 23	50	3.00	1.50	<.05	.500	300	N	N	N	100
R263	47 3 42	112 47 25	50	5.00	2.00	.50	.500	700	N	N	N	70
R264	47 3 36	112 47 35	50	7.00	2.00	.10	.500	300	N	N	N	150
R265	47 3 31	112 47 42	50	10.00	2.00	.05	.500	700	.7	N	N	100
R277	47 3 21	112 47 27	50	5.00	3.00	.50	.300	700	N	N	N	100
R273	47 3 55	112 48 53	51	7.00	2.00	3.00	.500	1,500	N	N	N	70
R274	47 3 57	112 48 36	51	3.00	1.50	.07	.300	200	N	N	N	70
R275	47 3 42	112 48 39	51	5.00	1.50	<.05	.300	150	N	N	N	100
JAE266	47 4 44	112 16 13	52	1.50	1.50	5.00	.200	1,500	N	N	N	20

Choteau rock---continued

sample	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
R80	200	<1.0	N	N	5	30	20	30	N	N	20	70
R81	500	1.0	N	N	<5	70	100	30	N	N	20	10
R86	1,500	1.0	N	N	<5	30	50	30	N	N	7	70
R191	500	2.0	N	N	7	70	N	70	N	N	20	10
R192	300	1.5	N	N	5	30	N	20	N	N	10	10
R193	700	2.0	N	N	10	70	N	50	N	N	30	<10
R194	2,000	1.0	N	N	7	30	2,000	30	N	N	20	10
R195	300	2.0	N	N	7	50	N	70	N	N	30	10
R196	300	2.0	N	N	10	70	N	100	N	N	30	20
R197	1,000	<1.0	N	N	20	10	20	30	N	N	<5	30
R198	700	3.0	N	N	15	70	N	100	N	N	50	<10
R199	500	2.0	N	N	30	N	150	30	N	N	N	150
R200	1,000	3.0	N	N	7	70	10	70	N	N	30	300
R237	500	1.5	N	N	15	30	N	50	N	N	30	20
R238	300	2.0	N	N	30	50	N	50	N	N	50	20
R239	150	1.5	N	N	N	20	30	50	N	N	<5	15
R240	300	3.0	N	N	10	30	N	50	N	N	15	10
R241	700	2.0	N	N	30	50	N	50	N	<20	50	15
R242	2,000	1.0	N	N	70	30	150	<20	N	N	20	30
R243	>5,000	N	N	N	N	30	N	N	N	N	<5	<10
R244	500	1.0	N	N	N	20	N	20	N	N	<5	10
R245	200	2.0	N	N	70	150	150	<20	N	N	70	10
R246	700	2.0	N	N	30	70	N	70	N	N	30	30
B065	500	1.0	N	N	10	<10	100	N	N	<10	<5	20
B73	500	1.0	N	N	15	70	100	N	N	10	30	30
B74	300	N	N	N	70	<10	700	N	N	<10	20	10
B75	150	N	N	N	70	20	300	N	N	<10	30	10
B76	300	N	N	N	70	100	300	N	N	<10	50	10
B77	500	2.0	N	N	10	70	30	50	N	<10	20	30
B066	300	N	N	N	70	<10	500	N	N	<10	20	15
B067	300	N	N	N	70	15	700	N	N	<10	30	15
B068	150	N	N	N	100	200	300	N	N	<10	70	N
B069	150	N	N	N	70	200	200	N	N	<10	70	<10
B070	150	N	N	N	70	300	150	<20	N	<10	70	<10
B071	300	N	N	N	100	150	500	N	N	<10	70	10
B072	300	N	N	N	N	20	50	20	N	<10	<5	<10
B073	500	1.0	N	N	15	70	100	N	N	10	30	30
B074	300	N	N	N	70	<10	700	N	N	<10	20	10
B075	150	N	N	N	70	20	300	N	N	<10	30	10
B076	300	N	N	N	70	100	300	N	N	<10	50	10
B077	500	2.0	N	N	10	70	30	50	N	<10	20	30
R262	700	2.0	N	N	20	70	10	70	N	N	30	20
R263	700	1.5	N	N	20	70	N	50	N	N	30	10
R264	700	3.0	N	N	20	70	N	70	N	N	30	15
R265	500	3.0	N	N	10	100	50	30	N	N	30	200
R277	500	2.0	N	N	20	70	5	50	N	N	50	15
R273	1,000	2.0	N	N	15	70	N	70	N	N	30	30
R274	200	1.5	N	N	15	50	15	30	N	N	30	10
R275	500	2.0	N	N	15	70	N	50	N	N	20	10
JAE266	500	5.0	N	N	10	50	50	--	<5	N	30	<10

Choteau rock--continued

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZH	S-ZR	AA-AU-P	INST-HG
R80	N	7	N	<100	20	N	30	N	200	N	.08
R81	N	7	N	N	50	N	50	N	150	N	.04
R86	N	5	N	200	15	N	30	N	100	N	.04
R191	N	10	N	N	70	N	50	N	150	N	N
R192	N	5	N	N	30	N	20	N	300	N	N
R193	N	15	N	N	100	N	50	N	150	N	N
R194	N	5	N	100	30	N	30	N	150	N	.04
R195	N	10	N	N	70	N	30	N	200	N	N
R196	N	15	N	N	70	N	50	N	300	N	N
R197	N	15	N	1,500	150	N	30	<200	100	N	N
R198	N	15	N	N	70	N	70	<200	300	N	N
R199	N	N	N	N	100	N	100	500	200	N	N
R200	N	15	N	N	150	N	30	<200	500	N	N
R237	N	7	N	<100	30	N	20	N	200	N	N
R238	N	10	N	N	50	N	30	N	300	N	N
R239	N	N	N	<100	30	N	20	N	300	N	.04
R240	N	10	N	N	100	N	30	N	300	N	.02
R241	N	15	N	<100	70	N	30	<200	700	N	.02
R242	N	30	N	1,500	300	N	20	N	50	N	.04
R243	N	N	N	5,000	10	N	N	N	10	N	<.02
R244	N	5	N	<100	30	N	20	N	200	N	.02
R245	N	50	N	200	300	N	50	N	150	N	.04
R246	N	15	N	100	70	N	50	N	300	N	<.02
B065	N	10	N	150	30	N	30	N	200	N	<.02
B73	N	15	N	<100	70	N	30	N	200	N	.02
B74	N	50	N	150	300	N	70	N	200	N	.02
B75	N	30	N	200	200	N	50	N	150	N	<.02
B76	N	30	N	200	300	N	50	N	150	N	<.02
B77	N	15	N	N	70	N	30	N	150	N	.04
B066	N	50	N	300	300	N	70	N	200	N	.02
B067	N	50	N	700	300	N	50	N	100	N	.04
B068	N	30	N	100	200	N	50	N	100	N	.02
B069	N	30	N	100	200	N	30	N	100	N	<.02
B070	N	30	N	<100	200	N	30	N	100	N	.02
B071	N	50	N	150	300	N	50	N	150	N	.02
B072	N	N	N	N	<10	N	<10	N	200	N	<.02
B073	N	15	N	<100	70	N	30	N	200	N	.02
B074	N	50	N	150	300	N	70	N	200	N	.02
B075	N	30	N	200	200	N	50	N	150	N	<.02
B076	N	30	N	200	300	N	50	N	150	N	<.02
B077	N	15	N	N	70	N	30	N	150	N	.04
R262	N	15	N	N	100	N	30	N	200	N	N
R263	N	10	N	N	100	N	20	N	300	N	N
R264	N	15	N	N	100	N	30	N	200	N	N
R265	N	20	N	N	100	N	30	N	200	N	N
R277	N	15	N	N	100	N	30	N	200	N	N
R273	N	15	N	100	70	N	30	N	200	N	N
R274	N	10	N	N	30	N	30	N	500	N	.02
R275	N	10	N	N	50	N	30	N	200	N	N
JAE266	N	10	N	100	30	N	20	N	100	.10	<.02

Chateau rock--continued

sample	latitude	longitude	MAP_NO.	S-FEX	S-MGX	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
JAE272	47 4 58	112 37 2	53	1.50	3.00	3.00	.200	2,000	15.0	N	N	50
R232	47 4 35	112 38 18	54	15.00	2.00	3.00	1.000	1,500	N	N	N	70
R233	47 4 29	112 38 29	54	10.00	.20	.30	1.000	1,500	N	N	N	70
R234	47 4 27	112 38 36	54	3.00	1.00	.05	.200	150	N	N	N	30
R235	47 4 18	112 38 57	54	5.00	2.00	.05	.300	700	N	N	N	100
R217	47 4 40	112 39 25	55	3.00	3.00	5.00	.200	1,000	N	N	N	70
R236	47 4 15	112 39 7	55	.30	.07	N	.010	700	N	N	N	N
R84	47 4 33	112 40 51	56	7.00	5.00	15.00	.500	1,000	N	N	N	30
R85	47 4 56	112 40 6	56	3.00	5.00	10.00	.100	1,000	N	N	N	15
CM1	47 4 30	112 41 47	57	1.50	.70	1.00	.300	300	N	N	N	20
R82	47 4 2	112 41 35	57	3.00	5.00	20.00	.200	700	N	N	N	50
R83	47 4 8	112 41 36	57	7.00	3.00	2.00	.500	700	N	N	N	N
R185	47 4 23	112 42 58	58	3.00	7.00	.10	.100	700	N	N	N	10
R186	47 4 20	112 42 58	58	5.00	5.00	10.00	.150	500	N	N	N	30
R289	47 4 36	112 42 3	58	2.00	3.00	15.00	.150	5,000	70.0	10,000	N	70
R290	47 4 34	112 42 4	58	2.00	5.00	7.00	.070	700	N	N	N	10
R291	47 4 31	112 42 8	58	2.00	2.00	1.50	.200	200	N	N	N	70
R187	47 4 10	112 43 4	59	3.00	3.00	5.00	.300	700	N	N	N	70
R188	47 4 6	112 43 8	59	5.00	5.00	1.00	.300	500	N	N	N	70
R189	47 4 2	112 43 14	59	7.00	5.00	3.00	.300	3,000	<.5	N	N	70
R190	47 4 1	112 43 20	59	3.00	2.00	.70	.300	500	N	N	N	30
R276	47 4 44	112 43 55	59	5.00	2.00	.15	.300	700	N	N	N	70
RI43	47 4 33	112 45 40	60	7.00	3.00	.10	.300	300	N	N	N	100
RI11	47 4 33	112 45 40	60	2.00	1.00	.70	.150	700	N	N	N	50
JAE250	47 4 2	112 45 41	60	1.50	5.00	5.00	.150	2,000	7.0	N	N	15
JAE283	47 4 38	112 45 29	60	1.50	1.50	.05	.200	150	N	N	N	50
JAE284	47 4 38	112 45 29	60	1.50	1.50	.07	.200	200	N	N	N	50
JAE285	47 4 38	112 45 29	60	1.50	2.00	1.00	.200	1,000	N	N	N	50
JAE287	47 4 38	112 45 29	60	1.50	2.00	.50	.200	700	10.0	N	N	50
JAE288	47 4 38	112 45 29	60	1.50	2.00	.30	.200	700	.5	N	N	50
JAE289	47 4 38	112 45 29	60	1.50	1.50	.07	.200	200	N	N	N	50
JAE290	47 4 38	112 45 29	60	2.00	2.00	.50	.200	700	N	N	N	70
JAE301	47 4 34	112 45 38	60	2.00	1.50	.05	.150	100	N	N	N	70
JAE302	47 4 34	112 45 38	60	1.50	2.00	1.50	.200	1,000	N	N	N	50
JAE303	47 4 34	112 45 38	60	1.50	2.00	2.00	.200	1,500	N	N	N	50
JAE304	47 4 38	112 45 29	60	2.00	1.50	3.00	.200	1,500	N	N	N	30
JAE305	47 4 38	112 45 29	60	2.00	1.50	.10	.200	100	N	N	N	50
JAE306	47 4 38	112 45 29	60	1.50	2.00	.30	.200	500	20.0	N	N	50
JAE307	47 4 38	112 45 29	60	1.50	3.00	1.50	.300	700	N	N	N	50
JAE308	47 4 38	112 45 29	60	1.50	1.50	1.00	.300	200	N	N	N	70
JAE309	47 4 42	112 45 27	60	1.00	1.50	.30	.200	150	N	N	N	20
JAE310	47 4 42	112 45 27	60	1.00	1.50	1.50	.100	300	1.0	N	N	10
B62	47 4 31	112 45 53	60	.07	.03	.05	.050	70	N	N	N	N
B63	47 4 33	112 45 57	60	1.50	.20	.10	.100	200	N	N	N	10
B64	47 4 27	112 45 59	60	7.00	.50	.20	.500	1,500	N	N	N	20
B65	47 4 23	112 45 58	60	7.00	.70	2.00	.300	1,000	N	N	N	20
B66	47 4 23	112 45 58	60	15.00	2.00	5.00	>1.000	2,000	N	N	N	15
L016	47 4 58	112 45 41	60	3.00	3.00	5.00	.150	500	N	N	N	70
L017	47 4 55	112 45 45	60	2.00	2.00	.15	.200	150	N	N	N	70
L018	47 4 52	112 45 46	60	3.00	3.00	3.00	.150	500	N	N	N	70

sample	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
JAE272	3,000	5.0	N	N	10	50	7,000	--	N	N	20	20
R232	700	2.0	N	N	50	50	500	30	N	N	50	<10
R233	300	3.0	N	N	20	10	100	30	15	N	N	500
R234	300	2.0	N	N	<5	30	15	50	N	N	15	<10
R235	500	2.0	N	N	20	100	N	50	N	N	50	30
R217	>5,000	2.0	N	N	10	50	<5	50	N	N	20	15
R236	>5,000	<1.0	N	N	10	<10	10	<20	N	N	<5	<10
R84	500	1.5	N	N	30	200	100	50	N	N	70	20
R85	300	1.0	N	N	<5	20	10	20	N	10	10	10
CM1	700	<1.0	N	N	N	50	30	30	N	10	10	50
R82	500	2.0	N	N	<5	50	20	30	N	N	20	50
R83	1,500	1.0	N	N	20	150	70	20	N	N	30	<10
R185	200	N	N	N	N	20	7	20	N	N	7	20
R186	500	<1.0	N	N	5	30	30	30	N	N	20	15
R289	700	2.0	N	N	10	50	>20,000	50	30	N	15	300
R290	200	N	N	N	N	15	150	30	N	N	5	<10
R291	1,000	2.0	N	N	10	30	15	70	N	N	15	<10
R187	700	3.0	N	N	7	30	N	30	N	N	30	<10
R188	5,000	2.0	N	N	7	50	N	70	N	N	30	<10
R189	700	2.0	N	N	7	70	300	70	N	<20	30	20,000
R190	300	2.0	N	N	7	50	N	50	N	N	30	10
R276	2,000	2.0	N	N	20	70	50	30	N	N	30	300
R143	1,000	1.0	N	N	10	20	15	70	N	N	10	10
R111	1,000	1.0	N	N	15	20	15	30	N	N	20	30
JAE250	5,000	5.0	N	N	7	30	5,000	--	N	N	15	15
JAE283	1,500	5.0	N	N	7	20	20	--	N	N	10	10
JAE284	700	5.0	N	N	10	30	7	--	N	N	20	15
JAE285	500	5.0	N	N	10	20	50	--	N	N	15	15
JAE287	300	5.0	N	N	10	30	1,500	--	<5	N	30	15
JAE288	300	5.0	N	N	10	30	200	--	N	N	15	15
JAE289	500	5.0	N	N	7	30	15	--	N	N	10	10
JAE290	700	5.0	N	N	5	30	<5	--	N	N	15	15
JAE301	700	5.0	N	N	5	20	N	--	N	N	10	10
JAE302	5,000	5.0	N	N	10	30	20	--	<5	N	10	15
JAE303	700	5.0	N	N	10	30	<5	--	N	N	15	15
JAE304	500	5.0	N	N	10	30	N	--	N	N	30	20
JAE305	700	5.0	N	N	5	30	5,000	--	N	N	7	<10
JAE306	700	5.0	N	N	7	30	7	--	N	N	7	15
JAE307	700	5.0	N	N	5	50	5	--	N	N	15	15
JAE308	500	5.0	N	N	5	20	5	--	N	N	7	10
JAE309	5,000	5.0	N	N	5	20	N	--	N	N	7	15
JAE310	3,000	5.0	N	N	5	10	100	--	<5	N	15	300
B62	700	<1.0	N	N	N	10	7	--	N	N	<5	N
B63	300	N	N	N	N	30	50	N	N	N	5	10
B64	300	<1.0	N	N	15	10	500	30	N	<10	10	150
B65	500	1.0	N	N	10	<10	100	70	N	<10	<5	20
B66	300	N	N	N	70	<10	500	N	N	<10	20	15
L016	1,500	1.0	N	N	10	50	30	30	N	10	15	20
L017	300	2.0	N	N	5	50	100	50	N	<10	15	<10
L018	700	1.5	N	N	10	50	50	50	N	<10	20	15

Choteau rock--continued

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AK-AU-P	INST-HG
JAE272	N	7	N	100	70	N	30	N	150	N	N
R232	N	50	N	N	300	N	70	N	200	N	N
R233	N	30	N	N	70	N	100	500	300	N	.04
R234	N	7	N	N	50	N	20	N	300	N	<.02
R235	N	15	N	N	70	N	20	N	150	N	N
R217	N	10	N	N	70	N	20	N	500	N	.20
R236	N	N	N	1,000	10	N	<10	N	<10	N	N
R84	N	15	N	2,000	100	N	30	N	100	N	.06
R85	N	5	N	<700	15	N	20	N	100	N	.06
R85	N	7	N	<100	30	N	20	N	300	N	<.02
CM1	N	N	N	N	70	N	30	N	150	N	.04
R82	N	N	N	N	150	N	15	N	100	N	.04
R83	N	15	N	500	20	N	20	N	70	N	N
R185	N	5	N	100	30	N	20	N	150	N	N
R186	N	7	N	N	30	N	20	N	100	N	N
R289	300	<10	N	<700	50	N	20	700	100	.60	>10.00
R290	N	N	N	<100	20	N	15	N	30	N	.08
R291	N	15	N	N	50	N	50	N	150	N	.04
R187	N	10	N	N	30	N	30	N	300	N	N
R188	N	10	N	N	70	N	50	N	500	N	N
R189	N	<15	N	N	70	N	50	N	200	N	<.02
R190	N	10	N	N	50	N	20	N	300	N	N
R276	N	N	N	N	100	N	30	N	700	N	N
RI43	N	10	N	N	150	N	100	N	150	N	N
RI11	N	5	N	<100	30	N	30	N	500	N	N
JAE250	N	5	N	150	50	N	20	N	70	N	.36
JAE283	N	5	N	100	30	N	20	N	150	N	.02
JAE284	N	10	N	<100	50	N	30	N	200	N	<.02
JAE285	N	7	N	<100	50	N	30	N	200	N	N
JAE287	N	7	N	<100	50	N	20	N	150	N	.12
JAE288	N	7	N	<100	50	N	20	<200	150	N	<.02
JAE289	N	7	N	<100	50	N	20	N	150	N	N
JAE290	N	7	N	<100	50	N	20	<200	150	N	N
JAE301	N	7	10	<100	70	N	50	N	200	N	N
JAE302	N	7	N	1,500	50	<50	20	N	200	N	N
JAE303	N	7	N	<100	70	N	20	N	100	N	<.02
JAE304	N	7	N	100	30	N	20	N	150	N	N
JAE305	N	7	N	<100	30	N	30	N	150	N	N
JAE306	N	7	N	100	50	N	30	N	200	N	.50
JAE307	N	7	N	100	50	N	20	N	150	N	N
JAE308	N	7	N	<100	50	N	20	N	100	N	N
JAE309	N	5	N	300	20	N	15	N	100	N	N
JAE310	N	<5	N	100	10	N	15	N	100	N	<.02
B62	N	N	N	N	10	N	N	N	N	N	.02
B63	N	7	N	N	20	N	15	N	150	N	.02
B64	N	15	N	N	70	N	30	N	200	N	<.02
B65	N	10	N	150	30	N	30	N	200	N	<.02
B66	N	50	N	300	300	N	70	N	200	N	.02
L016	N	10	N	N	50	N	30	N	150	N	<.02
L017	N	10	N	N	70	N	30	N	200	N	<.02
L018	N	10	N	N	70	N	50	N	200	N	<.02

sample	latitude	longitude	MAP_NO.	S-FEX	S-MGZ	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
L020	47 4 49	112 45 51	60	3.00	3.00	3.00	.200	1,000	N	N	N	50
JAE291	47 4 27	112 46 2	61	1.50	1.50	.07	.200	300	N	N	N	50
JAE292	47 4 27	112 46 2	61	1.50	2.00	3.00	.200	3,000	1.0	N	N	50
JAE293	47 4 27	112 46 2	61	2.00	2.00	1.00	.200	1,000	5.0	N	N	50
JAE294	47 4 27	112 46 2	61	2.00	2.00	1.00	.300	1,500	3.0	N	N	50
JAE295	47 4 27	112 46 2	61	1.50	3.00	3.00	.200	1,500	2.0	N	N	50
JAE296	47 4 27	112 46 2	61	1.50	1.50	.05	.200	150	3.0	N	N	50
JAE297	47 4 27	112 46 2	61	2.00	3.00	2.00	.300	1,500	3.0	N	N	50
JAE298	47 4 27	112 46 2	61	1.50	3.00	3.00	.150	2,000	2.0	N	N	30
JAE299	47 4 27	112 46 2	61	2.00	3.00	2.00	.150	1,500	1.5	N	N	30
JAE300	47 4 27	112 46 2	61	1.00	1.00	1.50	.200	700	N	N	N	30
B062	47 4 3	112 46 51	61	.07	.03	.05	.050	70	N	N	N	N
B063	47 4 6	112 46 56	61	1.50	.20	.10	.100	200	N	N	N	10
B67	47 4 16	112 46 0	61	15.00	2.00	5.00	1.000	2,000	N	N	N	15
R68	47 4 13	112 46 4	61	15.00	3.00	7.00	1.000	1,500	N	N	N	N
R69	47 4 9	112 46 7	61	7.00	5.00	7.00	.700	2,000	N	N	N	N
B70	47 4 5	112 46 9	61	10.00	3.00	5.00	.700	1,500	N	N	N	N
B71	47 4 4	112 46 15	61	15.00	3.00	7.00	1.000	1,500	N	N	N	N
B72	47 4 0	112 46 15	61	.70	.30	<.05	.200	100	N	N	N	10
B064	47 4 0	112 47 2	62	7.00	.50	.20	.500	1,500	N	N	N	20
R255	47 4 59	112 47 54	62	5.00	2.00	.07	.200	500	N	N	N	70
R256	47 4 55	112 47 46	62	3.00	1.00	.07	.200	300	N	N	N	50
R257	47 4 45	112 47 34	62	3.00	1.50	.10	.200	200	N	N	N	30
R258	47 4 42	112 47 32	62	15.00	3.00	5.00	1.000	3,000	N	N	N	N
R259	47 4 22	112 47 23	62	5.00	2.00	.15	.300	500	N	N	N	70
R260	47 4 9	112 47 19	62	5.00	2.00	.10	.500	500	N	N	N	100
R261	47 4 7	112 47 18	62	7.00	2.00	<.10	.500	700	N	N	N	150
L84	47 4 55	112 48 45	63	3.00	1.00	.30	.200	300	N	N	N	20
L85	47 4 51	112 48 38	63	7.00	.70	2.00	.500	700	N	N	N	N
L86	47 4 48	112 48 33	63	2.00	.70	1.50	.150	500	N	N	N	20
L87	47 4 54	112 48 17	63	10.00	.70	5.00	.300	1,500	N	N	N	500
R251	47 4 50	112 48 28	63	15.00	2.00	5.00	1.000	2,000	N	N	N	20
R252	47 4 55	112 48 17	63	15.00	2.00	3.00	1.000	2,000	N	N	N	10
R253	47 4 55	112 48 13	63	3.00	1.00	.07	.200	200	N	N	N	70
R254	47 4 57	112 48 5	63	3.00	2.00	.07	.500	700	N	N	N	100
R266	47 4 44	112 48 35	63	3.00	1.50	.07	.300	200	N	N	N	50
R267	47 4 42	112 48 34	63	5.00	.70	.07	.700	2,000	1.0	N	N	50
R268	47 4 35	112 48 37	63	15.00	3.00	10.00	.700	2,000	N	N	N	20
R269	47 4 30	112 48 34	63	5.00	2.00	2.00	.300	1,500	N	N	N	50
R270	47 4 18	112 48 49	63	15.00	3.00	7.00	1.000	2,000	N	N	N	15
R271	47 4 9	112 48 52	63	15.00	3.00	7.00	1.000	2,000	N	N	N	<10
R272	47 4 3	112 48 56	63	7.00	2.00	.10	.500	300	N	N	N	70
L085	47 4 28	112 49 54	64	7.00	3.00	7.00	.500	1,500	N	N	N	N
L086	47 4 27	112 49 44	64	2.00	.70	1.50	.150	500	N	N	N	20
L087	47 4 28	112 49 24	64	10.00	.70	5.00	.300	1,500	N	N	N	500
L088	47 4 41	112 49 4	64	.50	.10	N	.100	150	N	N	N	<10
L089	47 4 51	112 49 3	64	.70	1.00	3.00	.070	1,000	3.0	N	N	10
L090	47 4 58	112 49 2	64	2.00	3.00	1.00	.150	700	15.0	N	N	30
L084	47 4 30	112 50 5	65	5.00	2.00	10.00	.200	1,500	2.0	N	N	100
B921	47 4 58	112 53 55	66	1.50	.70	.07	.150	150	N	N	N	20

Choteau rock--continued

sample	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
L020	3,000	<1.0	N	N	10	30	500	30	N	<10	20	1,500
JAE291	500	5.0	N	N	15	15	N	--	N	N	30	10
JAE292	700	5.0	N	N	5	30	1,000	--	N	N	10	20
JAE293	1,000	5.0	N	N	10	30	7,000	--	<5	N	30	10
JAE294	1,000	5.0	10	N	7	30	3,000	--	N	N	15	15
JAE295	500	5.0	N	N	10	50	5,000	--	N	N	20	10
JAE296	500	5.0	N	N	7	20	5,000	--	N	N	10	10
JAE297	2,000	5.0	<10	N	10	50	5,000	--	<5	N	30	15
JAE298	1,500	5.0	N	N	7	30	2,000	--	<5	N	15	15
JAE299	1,000	5.0	N	N	15	50	2,000	--	N	N	30	15
JAE300	1,500	5.0	N	N	5	50	10	--	N	N	15	15
B062	700	<1.0	N	N	N	10	7	N	N	N	<5	N
B063	300	N	N	N	N	30	50	30	N	N	5	10
B67	300	N	N	N	70	15	700	N	N	<10	30	15
B68	150	N	N	N	100	200	300	N	N	<10	70	N
B69	150	N	N	N	70	200	200	N	N	<10	70	<10
B70	150	N	N	N	70	300	150	<20	N	<10	70	<10
B71	300	N	N	N	100	150	500	N	N	<10	70	10
B72	300	N	N	N	N	20	50	20	N	<10	<5	<10
B064	300	<1.0	N	N	15	10	500	70	N	<10	10	150
R255	500	2.0	N	N	20	70	N	70	N	N	30	20
R256	300	1.5	N	N	10	30	15	50	N	N	20	15
R257	300	2.0	N	N	10	30	N	50	N	N	20	15
R258	200	<1.0	N	N	70	15	300	<20	N	N	50	10
R259	700	2.0	N	N	20	70	N	50	N	N	30	15
R260	700	2.0	N	N	30	70	10	70	N	N	30	20
R261	2,000	3.0	N	N	20	70	30	70	10	N	70	100
L84	500	1.0	N	N	10	50	20	50	N	<10	20	20
L85	500	<1.0	N	N	30	10	700	50	N	10	<5	30
L86	100	1.0	N	N	7	30	20	50	N	<10	15	20
L87	50	5.0	N	N	10	<10	100	50	N	N	N	N
R251	1,000	2.0	N	N	50	70	300	50	N	<20	30	30
R252	300	1.0	N	N	70	15	300	<20	N	N	20	10
R253	500	3.0	N	N	15	30	<5	50	N	N	20	20
R254	700	2.0	N	N	20	70	15	70	N	<20	30	20
R266	500	2.0	N	N	20	70	10	50	N	N	30	30
R267	300	N	N	N	20	50	70	30	N	N	20	200
R268	300	<1.0	N	N	70	150	300	<20	N	N	70	15
R269	1,500	2.0	N	N	20	70	N	70	N	N	30	20
R270	500	<1.0	N	N	70	200	300	30	N	N	100	10
R271	300	<1.0	N	N	70	200	200	<20	N	N	70	10
R272	700	2.0	N	N	20	100	N	100	N	N	30	20
L085	500	<1.0	N	N	70	50	1,000	50	N	<10	50	30
L086	100	1.0	N	N	7	30	20	50	N	<10	15	20
L087	50	5.0	N	N	10	<10	100	50	N	N	N	N
L088	100	N	N	N	N	10	15	<20	N	N	10	N
L089	5,000	<1.0	N	N	N	10	5,000	30	N	N	7	10
L090	500	<1.0	<10	N	15	30	15,000	50	N	<10	20	100
L084	500	N	N	<20	30	70	700	50	N	<10	30	20
B921	150	<1.0	N	N	7	20	<5	30	N	N	20	<10

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
L020	N	N	N	N	50	N	20	N	150	N	<.02
JAE291	N	5	N	<100	30	N	15	<200	150	N	N
JAE292	N	10	N	<100	70	N	30	N	150	N	N
JAE293	N	7	N	150	50	N	30	N	150	N	N
JAE294	N	7	N	<100	50	N	50	N	200	N	N
JAE295	N	7	N	100	50	N	30	N	100	N	.06
JAE296	N	5	N	<100	30	N	70	N	150	N	-20
JAE297	N	10	N	100	70	N	30	N	100	N	<.02
JAE298	N	7	N	150	30	N	20	N	50	N	-04
JAE299	N	7	N	150	30	N	20	N	70	N	<.02
JAE300	N	7	N	100	30	N	30	N	200	N	N
B062	N	N	N	N	10	N	N	N	N	N	.02
B063	N	7	N	N	20	N	15	N	150	N	.02
B67	N	50	N	700	300	N	50	N	100	N	.04
B68	N	30	N	100	200	N	50	N	100	N	.02
B69	N	30	N	100	200	N	30	N	100	N	<.02
B70	N	30	N	<100	200	N	30	N	100	N	.02
B71	N	50	N	150	300	N	50	N	150	N	.02
B72	N	N	N	N	<10	N	<10	N	200	N	<.02
B064	N	15	N	N	70	N	30	N	200	N	<.02
R255	N	15	N	N	70	N	20	N	200	N	N
R256	N	10	N	N	50	N	20	N	150	N	N
R257	N	10	N	N	50	N	20	N	200	N	N
R258	N	50	N	200	500	N	50	N	150	N	N
R259	N	15	N	N	100	N	30	N	300	N	N
R260	N	20	N	N	100	N	50	N	300	N	N
R261	N	20	N	N	100	N	30	N	500	N	<.02
L84	N	15	N	N	50	N	20	N	150	N	.02
L85	N	20	N	N	30	N	100	500	300	N	N
L86	N	7	N	300	50	N	30	N	100	N	N
L87	N	15	N	700	50	N	70	N	300	N	N
R251	N	50	N	<200	300	N	50	N	300	N	N
R252	N	50	N	200	300	N	50	N	150	N	<.02
R253	N	10	N	N	50	N	30	N	300	N	N
R254	N	15	N	N	70	N	30	N	300	N	N
R266	N	10	N	N	70	N	20	N	150	N	N
R267	N	30	N	N	100	N	50	N	700	N	N
R268	N	50	N	200	100	N	30	N	200	N	N
R269	N	15	N	N	70	N	30	N	300	N	N
R270	N	50	N	N	500	N	50	N	150	N	N
R271	N	50	N	200	300	N	50	N	200	N	N
R272	N	15	N	N	100	N	50	N	300	N	N
L085	N	30	N	300	300	N	100	500	300	N	.06
L086	N	7	N	300	50	N	30	500	100	N	N
L087	N	15	N	700	50	N	70	N	300	N	N
L088	N	N	N	N	15	N	<10	N	150	N	.06
L089	N	<5	N	300	30	N	30	N	300	N	.06
L090	N	10	N	N	30	N	30	N	200	N	.32
L084	700	20	N	N	200	N	20	300	150	N	.95
B921	N	<5	N	N	30	N	15	N	150	N	N

Choteau rock--continued

sample	Latitude	Longitude	MAP_NO.	S-FEX	S-MGZ	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
EFB272	47 5 0	112 4 0	67	3.00	.70	1.00	.500	500	.5	N	N	200
JAE236	47 5 58	112 19 39	68	.70	3.00	3.00	.150	200	N	N	N	70
JAE237	47 5 48	112 19 34	68	10.00	.20	.30	.150	100	<.5	1,000	N	70
AMS921	47 5 20	112 22 6	69	10.00	5.00	5.00	--	2,000	N	--	--	--
JAF723	47 5 0	112 22 0	69	10.00	--	2.00	--	1,500	<.5	N	N	--
JAE258	47 5 50	112 28 9	70	1.50	3.00	1.50	.300	700	100.0	N	N	50
RP265AR	47 5 17	112 31 17	71	3.00	--	15.00	--	1,000	N	N	N	--
RP265BR	47 5 17	112 31 17	71	.50	--	.10	--	1,000	.7	N	N	--
RP265CR	47 5 17	112 31 17	71	15.00	--	1.50	--	1,000	1.0	N	N	--
RP263R	47 5 40	112 35 37	72	.20	--	<.05	--	20	N	N	N	--
JAE275	47 5 32	112 37 38	73	1.50	5.00	5.00	.200	3,000	N	N	N	50
RP209R	47 5 26	112 43 18	74	15.00	--	7.00	--	300	70.0	N	N	--
CC3	47 5 17	112 44 18	75	3.00	.50	10.00	.030	1,500	300.0	5,000	N	<10
L16	47 5 14	112 44 56	75	3.00	3.00	5.00	.150	500	N	N	N	70
L17	47 5 11	112 44 57	75	2.00	2.00	.15	.200	150	N	N	N	70
L24	47 5 17	112 44 52	75	.70	.20	15.00	.010	500	N	N	N	N
L25	47 5 21	112 44 50	75	1.50	1.50	3.00	.150	200	N	N	N	50
L26	47 5 24	112 44 50	75	3.00	1.00	2.00	.150	700	N	N	N	15
L27	47 5 26	112 44 45	75	1.50	3.00	5.00	.150	300	N	N	N	30
L28	47 5 26	112 44 15	75	2.00	5.00	5.00	.070	1,500	N	N	N	20
L29	47 5 28	112 44 27	75	5.00	2.00	2.00	.200	200	3.0	N	N	70
L30	47 5 31	112 44 36	75	2.00	2.00	.20	.200	150	1.5	N	N	100
CC002	47 5 2	112 45 16	76	3.00	5.00	3.00	.200	1,000	1.5	N	N	50
CC006	47 5 10	112 45 21	76	3.00	5.00	7.00	.150	2,000	3.0	N	N	30
L002	47 5 29	112 45 25	76	2.00	7.00	10.00	.050	1,500	N	N	N	10
L003	47 5 39	112 45 26	76	7.00	2.00	2.00	.300	1,500	N	N	N	10
L004	47 5 41	112 45 27	76	1.50	7.00	15.00	.150	300	N	N	N	50
L005	47 5 46	112 45 27	76	.30	2.00	20.00	.020	1,000	N	N	N	<10
L006	47 5 51	112 45 29	76	.50	.70	20.00	.007	1,500	N	N	N	N
L007	47 5 56	112 45 32	76	7.00	7.00	7.00	.300	1,000	N	N	N	20
L024	47 5 1	112 45 41	76	.70	.20	15.00	.010	500	N	N	N	N
L025	47 5 4	112 45 40	76	1.50	1.50	3.00	.150	200	N	N	N	50
L026	47 5 7	112 45 36	76	3.00	1.00	2.00	.150	700	N	N	N	15
L027	47 5 10	112 45 33	76	1.50	3.00	5.00	.150	300	N	N	N	30
L028	47 5 9	112 45 7	76	2.00	5.00	5.00	.070	1,500	N	N	N	20
L029	47 5 12	112 45 16	76	5.00	2.00	2.00	.200	200	3.0	N	N	70
L030	47 5 13	112 45 22	76	2.00	2.00	.20	.200	150	1.5	N	N	100
L053	47 5 48	112 45 44	76	2.00	2.00	10.00	.150	300	N	N	N	30
L18	47 5 9	112 45 0	76	3.00	3.00	3.00	.150	500	N	N	N	70
L20	47 5 7	112 45 5	76	3.00	3.00	3.00	.200	1,000	N	N	N	50
L88	47 5 1	112 47 57	77	.50	.10	N	.100	150	N	N	N	<10
L89	47 5 16	112 47 54	77	.70	1.00	3.00	.070	1,000	3.0	N	N	10
L90	47 5 21	112 47 55	77	2.00	3.00	1.00	.150	500	15.0	N	N	30
L91	47 5 27	112 47 54	77	3.00	3.00	.15	.200	300	10.0	N	N	50
L92	47 5 30	112 47 51	77	5.00	2.00	3.00	.300	1,500	N	N	N	N
L091	47 5 11	112 48 57	78	3.00	3.00	.15	.200	300	10.0	N	N	50
L092	47 5 17	112 48 54	78	5.00	2.00	3.00	.300	1,500	N	N	N	N
L62	47 5 37	112 50 0	79	5.00	3.00	<.07	.200	300	N	N	N	20
L65	47 5 44	112 50 2	79	10.00	5.00	7.00	1.000	1,500	3.0	N	N	150
R278	47 5 12	112 50 10	79	5.00	2.00	.10	.500	200	N	N	N	150

sample	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
EFB272	500	5.0	N	N	15	70	50	--	5	N	50	30
JAE236	500	5.0	N	N	5	30	10	30	N	N	7	--
JAE237	700	5.0	N	N	5	30	20	20	15	N	<5	--
AMS921	150	--	--	--	20	70	7	--	<5	--	50	15
JAF723	500	5.0	N	N	--	30	500	--	N	--	50	20
JAE258	2,000	5.0	10	N	7	50	10,000	--	N	N	15	30
RP265AR	500	--	N	N	30	15	<5	30	N	--	30	30
RP265BR	200	--	N	N	N	20	300	30	N	--	5	15
RP265CR	70	--	N	N	150	30	1,000	<20	7	--	150	N
RP263R	100	--	N	N	5	N	5	<20	N	--	5	<10
JAE275	2,000	5.0	N	N	10	30	10	--	<5	N	20	30
RP209R	500	--	N	N	N	N	>20,000	20	<5	--	10	50
CC3	>5,000	N	20	N	15	N	>20,000	<20	500	<10	10	3,000
L16	1,500	1.0	N	N	10	50	30	30	N	10	15	20
L17	300	2.0	N	N	5	50	100	50	N	<10	15	<10
L24	30	N	N	N	N	N	70	30	N	N	5	N
L25	300	<1.0	N	N	10	30	30	50	N	<10	10	<10
L26	500	<1.0	N	N	15	10	70	50	N	<10	10	10
L27	500	<1.0	N	N	7	30	100	30	N	<10	15	20
L28	300	1.0	N	N	5	20	70	30	N	N	15	15
L29	1,000	1.5	N	N	5	50	>20,000	50	N	10	20	70
L30	1,000	1.0	N	N	5	50	>20,000	50	N	10	20	10
CC002	500	<1.0	N	N	10	70	500	50	15	10	20	<10
CC006	700	<1.0	N	N	N	20	5,000	30	N	<10	15	10,000
L002	300	N	N	N	N	<10	15	20	N	N	5	10
L003	700	N	N	N	20	20	70	20	N	<10	15	10
L004	700	1.0	N	N	5	30	10	50	N	N	15	30
L005	150	N	N	N	N	N	5	20	N	N	<5	70
L006	300	N	N	N	N	N	30	N	200	N	N	15,000
L007	>5,000	<1.0	N	100	30	30	30	50	N	N	20	15
L024	30	N	N	N	N	N	70	30	N	N	5	N
L025	300	<1.0	N	N	10	30	30	50	N	<10	10	<10
L026	500	<1.0	N	N	15	10	70	50	N	<10	10	10
L027	500	<1.0	N	N	7	30	100	30	N	<10	15	20
L028	300	1.0	N	N	5	20	70	30	N	N	15	15
L029	1,000	1.5	N	N	5	50	>20,000	50	N	10	20	70
L030	1,000	1.0	N	N	5	50	>20,000	50	N	10	20	10
L053	500	N	N	N	10	30	15	50	N	<10	20	20
L18	700	1.5	N	N	10	50	50	50	N	<10	20	15
L20	3,000	<1.0	N	N	10	30	500	30	N	<10	20	1,500
L88	100	N	N	N	N	10	15	<20	N	N	10	N
L89	5,000	<1.0	N	N	N	10	5,000	30	N	N	7	10
L90	150	1.0	<10	N	10	30	15,000	50	N	N	20	<10
L91	1,000	2.0	<10	N	15	30	7,000	70	5	10	20	<10
L92	1,000	<1.0	N	N	15	30	50	30	5	<10	15	20
L091	1,000	2.0	<10	N	15	30	7,000	70	5	<10	20	<10
L092	1,000	<1.0	N	N	15	30	50	30	5	<10	15	20
L62	700	2.0	N	N	15	100	70	70	N	N	30	15
L65	1,000	<1.0	N	N	100	100	1,000	50	30	<10	50	70
R278	700	2.0	N	N	20	100	15	50	N	N	50	20

Choteau rock--continued

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
EFB272	N	10	N	100	150	N	20	N	100	--	.08
JAE236	N	5	N	<100	50	N	10	N	100	N	.02
JAE237	N	5	N	<100	50	N	10	N	150	N	.22
AMS921	--	--	N	--	300	N	20	N	--	--	--
JAF723	N	--	N	--	300	N	--	N	--	N	.06
JAE258	N	10	N	150	70	N	30	N	150	N	.08
RP265AR	N	--	N	--	50	N	30	200	--	--	N
RP265BR	N	--	N	--	30	N	20	300	--	N	N
RF265CR	N	--	N	--	1,500	N	20	N	--	N	N
RP263R	N	--	N	--	20	N	<10	N	--	--	N
JAE275	N	5	N	100	30	N	30	N	70	N	N
RP209R	N	--	N	--	20	N	20	500	--	N	.40
CC3	500	N	N	1,000	15	N	30	1,500	<10	N	>10.00
L16	N	10	N	N	50	N	30	N	150	N	<.02
L17	N	10	N	N	70	N	30	N	200	N	<.02
L24	N	N	N	500	10	N	30	N	<10	N	.02
L25	N	7	N	N	20	N	30	N	300	N	.02
L26	N	10	N	1,000	100	N	15	N	70	N	.02
L27	N	5	N	N	20	N	20	N	150	N	.06
L28	N	5	N	N	15	N	30	N	100	N	.02
L29	N	10	N	N	20	N	15	<200	100	N	.06
L30	N	10	N	N	50	N	20	<200	150	N	.08
CC002	N	10	N	N	70	N	30	N	150	N	.14
CC006	N	<5	N	<100	20	N	20	N	200	N	.04
L002	N	<5	N	<100	10	N	20	N	70	N	.09
L003	N	20	N	300	150	N	15	N	100	N	.16
L004	N	7	N	150	20	N	20	N	150	N	.07
L005	N	N	N	150	15	N	15	N	30	N	.07
L006	N	N	N	700	10	N	15	1,500	<10	N	1.50
L007	N	20	N	300	150	N	20	N	150	N	.12
L024	N	N	N	500	10	N	30	N	<10	N	.02
L025	N	7	N	N	20	N	30	N	300	N	.02
L026	N	10	N	1,000	100	N	15	N	70	N	.02
L027	N	5	N	N	20	N	20	N	150	N	.06
L028	N	5	N	N	15	N	30	N	100	N	.02
L029	N	10	N	N	20	N	15	N	150	N	.06
L030	N	10	N	N	50	N	20	<200	100	N	.08
L053	N	5	N	N	15	N	30	<200	150	N	.02
L18	N	10	N	N	70	N	50	N	200	N	<.02
L20	N	N	N	N	50	N	20	N	150	N	<.02
L88	N	N	N	N	15	N	<10	N	150	N	.06
L89	N	<5	N	300	30	N	30	N	300	N	.06
L90	N	10	N	N	30	N	30	N	150	N	.32
L91	N	10	N	N	50	N	50	N	300	N	.12
L92	N	10	N	1,500	100	N	20	N	150	N	.03
L091	N	10	N	N	50	N	50	N	300	N	.12
L092	N	10	N	1,500	100	N	20	N	150	N	.03
L62	N	50	N	N	70	N	30	N	300	N	<.02
L65	N	N	N	N	300	N	70	300	<200	N	<.02
R278	N	15	N	N	100	N	50	N	300	N	N

sample	latitude	longitude	MAP_NO.	S-FEZ	S-MGZ	S-CAZ	S-TIZ	S-MN	S-AG	S-AS	S-AU	S-B
R279	47 5 7	112 50 13	79	5.00	.70	2.00	.500	1,500	N	N	N	150
R280	47 5 17	112 50 1	79	7.00	3.00	3.00	.500	1,500	N	N	N	<10
L059	47 5 15	112 51 22	80	3.00	1.00	.20	.200	700	N	N	N	150
L060	47 5 19	112 51 24	80	3.00	.70	<.10	.200	300	N	N	N	50
L062	47 5 25	112 51 24	80	5.00	3.00	<.07	.200	300	N	N	N	20
L065	47 5 30	112 51 24	80	10.00	5.00	7.00	1.000	1,500	3.0	N	N	150
L068	47 5 34	112 51 4	80	1.50	.30	.07	.150	300	N	N	N	<10
L069	47 5 38	112 51 3	80	7.00	3.00	.15	.700	300	N	N	N	100
B901	47 5 41	113 1 54	81	1.50	1.00	1.50	.200	500	N	N	N	30
B897	47 5 32	113 2 12	82	2.00	1.50	.20	.150	300	N	N	N	50
B898	47 5 43	113 2 33	82	1.50	2.00	3.00	.200	1,500	.7	N	N	30
B899	47 5 55	113 2 27	82	3.00	2.00	2.00	.300	700	N	N	N	100
M405	47 5 38	113 8 8	83	.70	1.00	15.00	.070	150	N	N	N	30
EFB273	47 6 0	112 4 0	84	2.00	.50	10.00	.150	200	.5	N	N	70
JAF153	47 6 30	112 18 8	85	1.00	2.00	>20.00	--	200	N	N	N	20
JAF154	47 6 43	112 18 10	85	.70	<.02	.07	--	20	N	N	N	30
JAE256	47 6 48	112 24 7	86	3.00	1.50	10.00	>1.000	200	.7	N	N	N
JAE251	47 6 25	112 28 15	87	.10	.07	.10	.100	100	2,000.0	N	N	N
JAE254	47 6 37	112 29 16	88.	1.50	5.00	5.00	.150	2,000	3.0	N	N	15
JAE255	47 6 36	112 29 15	88	1.50	5.00	2.00	.300	1,000	10.0	N	N	30
JAE257	47 6 2	112 29 53	88	.70	.10	.10	.200	300	15.0	N	N	15
R135	47 6 26	112 32 39	89	5.00	3.00	1.50	.200	1,000	N	N	N	50
R136	47 6 31	112 32 35	89	3.00	2.00	.07	.200	100	N	N	N	70
R137	47 6 38	112 32 29	89	1.50	1.00	.15	.150	300	N	N	N	30
R138	47 6 43	112 32 24	89	2.00	2.00	.20	.200	150	1.0	N	N	20
R139	47 6 47	112 32 23	89	1.00	1.00	1.50	.150	200	N	N	N	20
R140	47 6 58	112 32 24	89	2.00	2.00	7.00	.150	700	N	N	N	20
R142	47 6 55	112 32 57	89	3.00	2.00	2.00	.200	200	N	N	N	30
R143	47 6 45	112 33 14	90	3.00	3.00	5.00	.200	2,000	N	N	N	30
R144	47 6 26	112 33 42	90	3.00	1.50	.05	.200	200	N	N	N	30
R145	47 6 4	112 33 50	90	5.00	1.50	.07	.300	200	N	N	N	100
B463	47 6 49	112 34 28	91	2.00	10.00	7.00	.100	500	N	N	N	30
B464	47 6 29	112 34 44	91	1.50	1.50	10.00	.100	300	N	N	N	30
B465	47 6 16	112 34 48	91	3.00	5.00	2.00	.200	150	N	N	N	70
B466	47 6 9	112 34 47	91	2.00	3.00	10.00	.150	500	N	N	N	30
B467	47 6 2	112 34 47	91	3.00	3.00	.70	.150	200	N	N	N	70
B471	47 6 38	112 34 43	91	3.00	1.00	1.00	.300	500	15.0	N	N	100
B472	47 6 32	112 34 38	91	3.00	.70	<.30	.150	1,500	1.5	N	N	70
R133	47 6 53	112 34 56	91	5.00	3.00	1.50	.300	700	N	N	N	70
R134	47 6 6	112 34 32	91	1.00	2.00	20.00	.100	500	N	N	N	30
R146	47 6 15	112 34 31	91	1.50	.70	.15	.200	70	7.0	N	N	100
R155	47 6 58	112 34 15	91	5.00	3.00	5.00	.300	500	N	N	N	70
R156	47 6 49	112 34 24	91	3.00	5.00	2.00	.300	1,500	N	N	N	30
R157	47 6 39	112 34 26	91	5.00	2.00	.05	.200	150	N	N	N	70
R226	47 6 9	112 37 5	92	1.50	.20	.05	.050	700	N	N	N	20
R227	47 6 19	112 37 22	92	2.00	.30	<.05	.070	700	N	N	N	30
R228	47 6 28	112 37 32	92	2.00	.30	.15	.070	500	N	N	N	30
R229	47 6 14	112 37 42	92	1.50	2.00	5.00	.150	200	N	N	N	50
R230	47 6 18	112 37 48	92	1.50	1.50	15.00	.100	700	N	N	N	<10
B035	47 6 17	112 44 53	93	7.00	5.00	15.00	.300	700	N	N	N	20

Chateau rock---continued

sample	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-MB	S-NI	S-PB
R279	500	3.0	N	N	10	70	<5	70	N	N	15	15
R280	500	2.0	N	N	30	100	N	70	N	N	50	100
L059	1,500	1.5	N	N	10	50	30	70	N	10	30	15
L060	300	1.5	N	N	10	30	30	50	N	<10	20	15
L062	700	2.0	N	N	15	100	70	70	N	N	30	15
L065	1,000	<1.0	N	N	100	100	1,000	50	30	<10	50	300
L068	500	N	N	N	<5	30	20	30	N	<10	7	N
L069	700	1.5	N	N	30	150	7	100	N	<10	70	30
B901	5,000	1.0	N	N	<5	30	N	<20	N	N	10	15
B897	1,000	1.0	N	N	7	30	N	30	N	N	15	15
B898	1,500	1.0	N	N	7	30	700	20	N	N	15	15
B899	2,000	2.0	N	N	10	50	N	30	N	N	20	10
M405	150	N	<10	N	5	15	10	N	N	N	5	30
EFB273	500	5.0	N	N	10	70	20	--	15	N	70	15
JAF153	50	5.0	N	N	N	50	5	--	N	--	N	20
JAF154	50	5.0	N	N	<5	50	30	--	N	--	N	20
JAE256	<20	5.0	N	N	70	10	1,500	--	N	N	15	<10
JAE251	3,000	5.0	N	N	N	15	3,000	--	N	N	N	50
JAE254	1,000	5.0	N	N	10	30	15	--	N	N	15	15
JAE255	1,500	5.0	N	N	10	50	1,500	--	N	N	20	50
JAE257	700	5.0	N	N	<5	20	2,000	--	N	N	<5	10
R135	500	1.5	N	N	7	30	10	30	N	N	30	20
R136	300	3.0	N	N	5	30	N	70	N	<20	15	10
R137	1,000	1.0	N	N	<5	20	N	30	N	N	10	<10
R138	3,000	1.0	N	N	<5	20	700	20	N	N	10	100
R139	1,500	1.0	N	N	<5	20	N	20	N	N	10	N
R140	300	1.0	N	N	<5	30	5	30	N	N	10	<10
R142	>5,000	1.5	N	N	7	20	N	30	N	N	15	<10
R143	1,500	1.5	N	N	7	20	50	50	N	N	15	<10
R144	200	1.5	N	N	7	30	5	30	N	N	20	<10
R145	300	3.0	N	N	7	70	5	70	N	N	20	15
B463	300	N	N	N	5	10	30	20	N	N	10	<10
B464	300	N	N	N	<5	N	7	30	N	N	10	<10
B465	700	1.0	N	N	5	30	10	50	N	<10	15	20
B466	500	N	N	N	7	30	20	30	N	N	15	10
B467	1,500	1.0	N	N	5	20	10	70	N	N	15	10
B471	1,500	1.5	N	N	7	50	3,000	70	N	<10	15	15
B472	>5,000	N	N	N	20	20	1,500	30	N	<10	15	<10
R133	700	1.5	N	N	7	20	30	50	N	N	30	20
R134	150	1.0	N	N	N	20	N	30	N	N	<5	10
R146	150	2.0	N	N	<5	20	>20,000	<20	N	N	20	30
R155	1,500	3.0	N	N	7	50	200	70	N	N	30	<10
R156	500	2.0	N	N	10	50	5	70	20	N	30	1,000
R157	700	3.0	N	N	7	200	N	30	N	N	30	15
R226	150	3.0	N	N	N	<10	N	30	N	50	<5	50
R227	150	5.0	N	N	N	<10	<5	30	N	50	<5	70
R228	150	5.0	N	N	N	<10	N	50	N	70	<5	70
R229	700	1.0	N	N	5	30	15	20	N	N	10	10
R230	300	<1.0	N	N	<5	30	30	50	N	N	10	100
B035	1,000	N	N	N	50	30	150	<20	N	N	20	15

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
R279	N	15	N	N	100	N	50	N	500	N	<.02
R280	N	20	N	100	100	N	50	N	200	N	N
L059	N	15	N	N	70	N	50	N	200	N	.02
L060	N	<10	N	N	70	N	50	N	200	N	<.02
L062	N	N	N	N	70	N	30	N	300	N	<.02
L065	N	50	N	N	300	N	70	300	<200	N	.04
L068	N	5	N	N	30	N	15	N	200	N	<.02
L069	N	30	N	N	100	N	30	N	500	N	<.02
B901	N	5	N	N	30	N	20	N	200	N	.04
0897	N	7	N	N	30	N	15	N	200	N	.02
B898	N	5	N	100	20	N	15	N	200	N	.14
B899	N	10	N	100	50	N	20	N	150	N	.04
M405	N	N	N	500	30	N	10	N	100	N	.04
EFB273	N	7	N	N	200	N	15	N	70	--	.08
JAF153	N	--	N	--	10	N	<10	N	--	--	<.02
JAF154	N	--	N	--	20	N	10	N	--	--	<.02
JAE256	N	70	N	N	1,000	N	50	N	<10	N	.06
JAE251	N	<5	N	150	10	N	15	N	70	N	10.00
JAE254	N	5	N	150	30	N	30	N	100	N	.02
JAE255	N	10	N	100	50	N	30	N	150	N	.08
JAE257	N	7	N	100	30	N	15	N	150	N	.04
R135	N	10	N	N	50	N	30	N	150	N	N
R136	N	7	N	N	50	N	50	N	300	N	<.02
R137	N	<5	N	N	20	N	15	N	500	N	N
R138	N	7	N	N	30	N	15	N	200	N	.16
R139	N	7	N	N	20	N	15	N	150	N	.02
R140	N	5	N	<100	20	N	20	N	100	N	<.02
R142	N	7	N	<100	30	N	20	N	150	N	N
R143	N	7	N	N	30	N	30	N	300	N	<.02
R144	N	7	N	N	50	N	15	N	150	N	N
R145	N	15	N	N	70	N	30	N	300	N	.02
B463	N	<5	N	N	20	N	20	N	70	N	.04
B464	N	5	N	N	20	N	20	N	70	N	.02
B465	N	7	N	N	50	N	20	N	100	N	.02
B466	N	7	N	N	30	N	20	N	70	N	.02
B467	N	7	N	N	30	N	20	N	100	N	.02
B471	N	<15	N	N	70	N	30	N	150	N	.08
B472	N	7	N	<700	20	N	20	N	150	N	<.02
R133	N	10	N	N	70	N	30	N	200	N	.04
R134	N	7	N	<100	15	N	20	N	100	N	.04
R146	N	7	N	N	30	N	20	N	200	N	.30
R155	N	10	N	N	50	N	50	N	200	N	N
R156	N	15	N	N	50	N	50	N	300	N	N
R157	N	10	N	N	50	N	30	N	150	N	N
R226	N	N	N	N	<10	N	50	N	200	N	.02
R227	N	N	N	N	<10	N	30	N	200	N	.02
R228	N	N	N	N	<10	N	50	N	300	N	N
R229	N	5	N	100	30	N	10	N	150	N	.80
R230	N	5	N	100	20	N	30	N	100	N	.20
B035	N	<30	N	300	100	N	15	N	50	N	.10

Chateau rock--continued

sample	latitude	longitude	MAP_NO.	S-FEX	S-MGX	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
B036	47 6 28	112 44 48	93	5.00	3.00	3.00	.200	700	N	N	N	10
B037	47 6 34	112 44 45	93	7.00	3.00	2.00	.300	700	N	N	N	<10
B039	47 6 38	112 44 41	93	.10	.07	7.00	.002	100	N	N	N	70
B040	47 6 26	112 44 43	93	1.50	3.00	7.00	.100	500	N	N	N	50
B041	47 6 45	112 44 41	93	1.50	3.00	7.00	.150	2,000	N	N	N	150
B042	47 6 48	112 44 40	93	5.00	3.00	1.00	.200	300	N	N	N	150
B043	47 6 50	112 44 38	93	5.00	3.00	1.50	.200	500	N	N	N	150
B044	47 6 54	112 44 38	93	3.00	3.00	.07	.200	150	30.0	N	N	150
B045	47 6 56	112 44 37	93	3.00	2.00	.50	.200	500	N	N	N	150
B046	47 6 58	112 44 35	93	1.50	1.00	.07	.300	150	2.0	N	N	100
B032	47 6 6	112 45 16	94	3.00	5.00	7.00	.150	300	N	N	N	70
B033	47 6 8	112 45 9	94	7.00	5.00	7.00	.300	1,000	N	N	N	N
B034	47 6 14	112 45 4	94	7.00	3.00	5.00	.300	1,000	N	N	N	15
L009	47 6 4	112 45 47	94	1.00	2.00	15.00	.100	700	N	N	N	15
L010	47 6 7	112 45 56	94	.50	1.50	15.00	.050	150	N	700	N	10
L011	47 6 14	112 46 6	95	.30	.50	7.00	.070	150	N	N	N	<10
L012	47 6 22	112 46 15	95	.30	2.00	20.00	.050	700	N	N	N	30
L013	47 6 32	112 46 19	95	.30	.50	1.50	.150	70	N	N	N	N
L014	47 6 38	112 46 21	95	.30	.50	20.00	.007	300	N	N	N	10
L015	47 6 45	112 46 24	95	1.50	3.00	20.00	.050	500	N	N	N	100
L031	47 6 50	112 46 24	95	1.50	5.00	3.00	.200	200	N	N	N	50
L032	47 6 55	112 46 24	95	5.00	5.00	7.00	.150	300	N	N	N	<10
L033	47 6 58	112 46 24	95	5.00	2.00	1.50	.300	700	N	N	N	20
L054	47 6 4	112 46 36	95	2.00	2.00	3.00	.100	300	N	N	N	70
L055	47 6 9	112 46 47	95	2.00	3.00	1.00	.200	200	N	N	N	20
L056	47 6 12	112 46 51	95	1.50	1.50	.20	.150	100	N	N	N	50
L057	47 6 15	112 46 54	95	3.00	.30	.50	.200	150	N	N	N	50
L058	47 6 18	112 47 3	96	3.00	3.00	1.50	.200	500	N	N	N	50
B008	47 6 55	112 50 54	97	7.00	5.00	5.00	.100	1,000	10.0	N	N	50
B010	47 6 59	112 50 36	97	1.50	3.00	3.00	.200	500	3.0	N	N	70
B011	47 6 55	112 50 34	97	.30	.70	3.00	.005	1,500	N	N	N	<10
B012	47 6 49	112 50 36	97	.70	2.00	10.00	.070	3,000	5.0	700	N	<10
L074	47 6 17	112 50 52	97	3.00	3.00	.10	.150	300	N	N	N	50
L075	47 6 19	112 50 39	97	3.00	5.00	.30	.200	300	N	N	N	70
L076	47 6 22	112 50 30	97	3.00	5.00	1.00	.300	500	<.5	N	N	100
L078	47 6 55	112 52 43	98	3.00	5.00	5.00	.300	3,000	5.0	N	N	30
B860	47 6 58	112 56 59	99	.70	1.00	1.50	.200	200	N	N	N	50
B900	47 6 5	113 2 19	100	3.00	5.00	20.00	.150	700	N	N	N	70
B908	47 6 45	113 4 47	101	3.00	2.00	3.00	.200	3,000	N	N	N	70
B909	47 6 42	113 4 59	101	2.00	1.50	.20	.300	1,000	N	N	N	70
B910	47 6 32	113 5 10	102	2.00	1.50	.50	.300	1,000	N	N	N	10
B911	47 6 25	113 5 27	102	15.00	2.00	3.00	1.000	2,000	N	N	N	100
B912	47 6 25	113 5 50	102	7.00	3.00	1.00	.500	700	1.5	N	N	200
M409	47 6 4	113 5 44	102	10.00	1.50	.20	.500	700	N	N	N	N
B913	47 6 25	113 6 16	103	10.00	3.00	10.00	1.000	1,000	N	N	N	50
M407	47 6 38	113 6 51	103	10.00	.50	.50	.500	300	N	N	N	30
M408	47 6 32	113 6 20	103	1.50	.20	.20	.070	70	N	N	N	N
M406	47 6 4	113 7 27	104	.50	.05	<.05	.010	100	N	N	N	70
M410	47 6 54	113 7 44	104	.70	1.50	3.00	.300	1,500	N	N	N	N
B916	47 6 35	113 8 51	105	5.00	1.50	3.00	.300					

sample	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
B036	3,000	N	N	N	15	15	30	30	N	N	10	N
B037	700	N	N	N	30	150	30	<20	N	<10	30	<10
B039	<20	N	N	N	N	N	15	N	N	N	<5	N
B040	1,500	1.0	N	N	<5	20	<5	30	N	N	10	10
B041	1,000	<1.0	N	N	<5	20	10	30	N	N	10	<10
B042	300	1.0	N	N	20	70	30	70	N	10	30	<10
B043	300	<1.0	N	N	15	70	20	70	N	10	30	<10
B044	700	<1.0	N	N	20	50	10,000	50	100	<10	30	30
B045	500	1.0	N	N	15	30	20	20	N	10	30	<10
B046	1,000	1.0	N	N	15	30	1,000	50	N	<10	20	<10
B032	700	1.0	N	N	7	50	20	30	N	10	20	1,000
B033	3,000	1.0	N	N	50	500	100	N	N	10	70	<10
B034	1,000	N	N	N	50	50	150	N	N	10	20	<10
L009	300	N	N	N	7	10	7	20	N	N	10	50
L010	200	N	N	N	N	N	10	20	N	N	7	30
L011	500	N	N	N	N	10	7	N	N	N	7	N
L012	150	N	N	N	N	N	5	30	N	N	<5	10
L013	700	<1.0	N	N	N	10	20	N	N	N	7	N
L014	<20	N	N	N	N	N	N	50	N	N	<5	N
L015	700	N	N	N	20	<10	15	50	N	N	15	100
L031	700	3.0	N	N	7	30	20	70	N	10	15	15
L032	500	<1.0	N	N	15	30	20	30	N	N	20	50
L033	1,500	N	N	N	30	15	70	N	N	<10	7	10
L054	1,500	1.0	N	N	10	20	10	30	N	10	15	20
L055	2,000	2.0	N	N	15	50	30	70	N	10	30	10
L056	300	1.0	N	N	<5	30	700	<20	N	<10	15	10
L057	700	1.5	N	N	15	30	30	50	N	10	20	70
L058	300	1.5	N	N	5	30	30	50	N	<10	20	20
B008	2,000	<1.0	N	N	15	30	>20,000	70	15	<10	15	300
B010	1,000	1.5	N	N	5	30	1,000	50	N	<10	15	10
B011	>5,000	N	N	N	N	<10	30	N	N	N	<5	<10
B012	200	N	N	N	N	10	10,000	20	N	N	<5	15
L074	500	1.5	N	N	15	20	7	70	N	10	30	15
L075	3,000	1.5	N	N	10	70	5	100	N	10	30	15
L076	2,000	1.5	N	N	10	50	300	70	N	<10	30	70
L078	3,000	<1.0	N	N	10	70	7,000	70	N	<10	30	20
B860	300	1.0	N	N	5	20	70	50	N	N	7	15
B900	1,000	1.5	N	100	30	30	300	<20	N	N	20	200
B908	3,000	1.5	N	N	15	50	N	30	N	N	20	20
B909	1,000	2.0	N	N	15	30	N	30	N	N	30	20
B910	300	2.0	N	N	10	30	<5	30	N	N	15	10
B911	700	1.5	N	N	50	15	200	20	N	N	10	15
B912	700	2.0	N	N	20	100	N	50	N	N	30	30
M409	700	N	N	N	70	<10	7,000	N	N	N	30	N
B913	700	2.0	N	N	20	150	10	100	N	N	50	20
M407	70	N	N	N	70	150	200	N	N	N	50	N
M408	3,000	1.0	N	N	N	15	15	30	N	N	5	10
M406	50	N	N	N	N	15	<5	N	N	N	5	N
M410	150	N	N	N	N	<10	10	N	N	N	7	N
B916	300	5.0	N	N	20	50	7	30	N	N	30	10

Choteau rock--continued

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
B036	N	15	N	300	100	N	10	N	70	N	.07
B037	N	20	N	200	100	N	15	N	70	N	.05
B039	N	N	N	<100	<10	N	N	N	<10	N	.06
B040	N	7	N	<100	20	N	20	N	100	N	.02
B041	N	5	N	N	30	N	20	N	100	N	<.02
B042	N	15	N	N	70	N	30	N	200	N	.02
B043	N	15	N	N	70	N	30	N	200	N	.02
B044	N	15	N	N	70	N	20	N	200	N	<.02
B045	N	10	N	N	70	N	30	N	200	N	.14
B046	N	10	N	N	50	N	30	N	200	N	.02
B032	N	10	N	N	50	N	30	N	200	N	.04
B033	N	30	N	700	150	N	10	N	150	N	.06
B034	N	30	N	200	150	N	15	N	30	N	.06
L009	N	N	N	100	10	N	15	N	50	N	.09
L010	N	<5	N	100	10	N	15	N	70	N	.07
L011	N	N	N	100	10	N	<10	N	100	N	.06
L012	N	N	N	150	10	N	20	N	50	N	.65
L013	N	<5	N	700	15	N	N	N	150	N	.10
L014	N	5	N	100	<10	N	50	N	70	N	.07
L015	N	<5	N	100	10	N	30	N	N	N	.04
L031	N	10	N	N	70	N	20	N	70	N	.15
L032	N	7	N	N	50	N	20	N	100	N	<.02
L033	N	15	N	200	150	N	15	N	70	N	<.02
L054	N	<5	N	100	20	N	20	N	200	N	<.02
L055	N	15	N	<100	70	N	20	N	150	N	<.02
L056	N	7	N	N	30	N	15	N	100	N	.02
L057	N	10	N	N	50	N	30	N	300	N	.04
L058	N	10	N	N	50	N	30	N	200	N	<.02
B008	N	<7	N	<100	50	N	30	N	150	N	.60
B010	N	10	N	N	70	N	20	N	150	N	.26
B011	N	N	N	200	<10	N	<10	N	N	N	.20
B012	N	N	N	100	10	N	20	N	100	N	1.00
L074	N	7	N	N	20	N	20	N	150	N	<.02
L075	N	15	N	150	70	N	30	N	200	N	.04
L076	N	15	N	100	70	N	30	N	150	N	.02
L078	N	15	N	N	70	N	30	N	300	N	.10
B860	N	7	N	N	30	N	20	N	300	N	N
B900	N	<7	N	<100	50	N	30	N	100	N	3.00
B908	N	7	N	150	50	N	20	N	150	N	.08
B909	N	10	N	N	70	N	20	N	200	N	.02
B910	N	7	N	N	50	N	15	N	200	N	.04
B911	N	50	N	300	300	N	100	N	200	N	.02
B912	N	15	N	<100	70	N	30	N	200	N	.04
M409	N	30	N	N	300	N	50	N	150	N	.04
B913	N	20	N	N	100	N	70	N	200	N	.02
M407	N	70	N	100	700	N	30	N	70	N	<.02
M408	N	5	N	N	70	N	20	N	300	N	N
M406	N	N	N	N	20	N	10	N	200	N	.02
M410	N	N	N	N	N	N	N	N	N	N	N
B916	N	10	N	N	70	N	30	N	200	N	<.02

sample	Latitude	Longitude	MAP_NO.	S-FEX	S-MGX	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
M411	47 6 40	113 8 53	105	2.00	2.00	7.00	.070	3,000	N	N	N	20
JAE260	47 7 33	112 15 21	106	.30	.20	.07	.050	200	.5	N	N	15
JAF147	47 7 37	112 16 52	107	2.00	.05	<.05	--	700	N	N	N	50
JAF148	47 7 37	112 16 52	107	.70	.03	<.05	--	300	N	N	N	70
JAF149	47 7 37	112 16 52	107	.50	.02	<.05	--	30	N	N	N	30
JAF150	47 7 37	112 16 52	107	.50	.03	.05	--	70	N	N	N	20
JAF151	47 7 33	112 17 35	108	.50	.70	>20.00	--	300	N	N	N	20
JAF730	47 7 50	112 18 10	109	3.00	--	<.05	--	700	N	N	N	--
JAE259	47 7 10	112 29 3	110	1.50	5.00	2.00	.200	1,500	50.0	N	N	50
JAE273	47 7 8	112 30 21	111	1.00	.70	.10	.200	500	.5	N	N	15
JAE274	47 7 8	112 30 21	111	1.50	1.00	.15	.300	200	.5	N	N	30
R131	47 7 2	112 32 49	112	3.00	3.00	2.00	.200	500	N	N	N	20
R141	47 7 4	112 32 32	112	3.00	5.00	7.00	.200	700	N	N	N	30
R150	47 7 49	112 32 25	112	.70	1.50	20.00	.100	300	N	N	N	N
R151	47 7 43	112 32 54	112	2.00	5.00	7.00	.150	700	N	N	N	30
R152	47 7 25	112 33 32	113	3.00	7.00	20.00	.200	700	N	N	N	50
R153	47 7 11	112 33 56	113	3.00	3.00	10.00	.300	700	N	N	N	50
U468	47 7 14	112 34 45	114	5.00	3.00	2.00	.200	300	N	N	N	70
B493	47 7 32	112 34 48	114	3.00	3.00	3.00	.200	500	N	N	N	50
B494	47 7 5	112 34 46	114	1.00	1.00	1.50	.150	1,000	<.5	N	N	10
R132	47 7 35	112 34 13	114	3.00	5.00	5.00	.200	1,000	N	N	N	50
R154	47 7 5	112 34 5	114	5.00	3.00	.70	.300	150	N	N	N	100
S148	47 7 37	112 35 10	115	5.00	7.00	7.00	.300	1,500	N	N	N	50
S258	47 7 44	112 35 5	115	3.00	3.00	15.00	.200	500	N	N	N	50
B469	47 7 17	112 35 18	115	2.00	5.00	5.00	.150	500	N	N	N	100
B470	47 7 9	112 35 22	115	2.00	3.00	2.00	.150	300	N	N	N	50
449	47 7 16	112 38 18	116	3.00	1.00	.10	.300	500	N	N	N	70
L387	47 7 23	112 38 55	116	.30	1.00	20.00	.050	500	N	N	N	N
L384	47 7 44	112 40 57	117	3.00	1.00	.50	.300	1,000	N	N	N	150
L385	47 7 43	112 40 25	117	2.00	3.00	5.00	.150	2,000	N	N	N	100
L386	47 7 37	112 40 4	117	2.00	.70	15.00	.150	300	N	N	N	70
R284	47 7 14	112 40 57	117	.70	1.50	20.00	.050	700	N	N	N	N
R285	47 7 12	112 40 56	117	.70	1.00	20.00	.020	500	N	N	N	N
R286	47 7 10	112 40 53	117	1.50	1.50	20.00	.070	500	N	N	N	<10
R287	47 7 5	112 40 50	117	1.00	3.00	10.00	.070	300	N	N	N	20
R288	47 7 1	112 40 45	117	1.50	3.00	15.00	.100	300	N	N	N	15
L382	47 7 32	112 41 34	118	3.00	1.00	.10	.200	700	N	N	N	50
L383	47 7 26	112 41 26	118	3.00	1.50	2.00	.200	700	N	N	N	50
R281	47 7 29	112 41 24	118	.70	.30	.20	.200	300	1.5	N	N	150
R282	47 7 27	112 41 13	118	3.00	2.00	1.50	.300	700	N	N	N	100
R283	47 7 18	112 41 2	118	5.00	3.00	5.00	.300	1,000	N	N	N	70
L380	47 7 16	112 42 14	119	2.00	.70	.05	.150	1,000	N	N	N	50
L381	47 7 11	112 42 3	119	1.50	.70	.50	.200	1,000	N	N	N	70
L400	47 7 36	112 42 32	119	2.00	1.00	1.50	.150	700	N	N	N	<10
L401	47 7 50	112 42 28	119	3.00	3.00	.15	.200	700	N	N	N	70
B054	47 7 57	112 43 58	120	3.00	1.50	.10	.200	300	N	N	N	100
L378	47 7 12	112 43 36	120	2.00	1.00	2.00	.150	1,500	N	N	N	70
L379	47 7 13	112 43 21	120	3.00	1.00	.20	.150	1,000	N	N	N	70
B047	47 7 1	112 44 33	121	3.00	1.50	.07	.300	200	10.0	N	N	100

Choteau rock--continued

sample	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
M411	70	1.0	N	N	20	30	10	20	N	N	10	30
JAE260	100	5.0	N	N	<5	10	500	--	N	N	<5	<10
JAF147	>5,000	5.0	N	N	5	50	7	--	N	--	15	20
JAF148	300	5.0	N	N	<5	50	5	--	N	--	5	20
JAF149	150	5.0	N	N	<5	50	5	--	N	--	<5	20
JAF150	5,000	5.0	N	N	N	50	7	--	N	--	N	20
JAF151	100	5.0	N	N	N	50	5	--	N	--	N	20
JAF730	5,000	5.0	N	N	--	20	15	100	N	--	30	20
JAE259	2,000	5.0	<10	N	10	30	7,000	--	N	N	20	20
JAE273	500	5.0	N	N	7	30	300	--	<5	N	20	300
JAE274	1,000	5.0	N	N	10	50	200	--	5	N	20	500
R131	700	<1.0	N	N	<5	30	15	30	N	N	10	20
R141	500	<1.0	N	N	N	30	15	30	N	N	10	15
R150	150	N	N	N	N	15	7	30	N	N	N	<10
R151	300	1.0	N	N	<5	15	7	30	N	N	10	<10
R152	700	<1.0	N	N	<5	30	10	70	N	N	10	15
R153	700	2.0	N	N	7	50	30	50	N	N	15	<10
B468	>5,000	1.0	N	N	7	20	5	50	N	N	15	<10
B493	5,000	<1.0	N	N	5	20	10	30	N	<10	15	N
B494	3,000	<1.0	N	N	5	30	150	20	N	N	10	20
R132	300	1.5	N	N	7	50	7	70	N	N	20	30
R154	2,000	3.0	N	N	10	50	N	70	N	N	30	<10
514B	700	<1.0	N	N	10	20	100	50	N	<10	15	<10
525B	1,000	N	N	N	10	30	15	50	N	<10	15	70
B469	700	<1.0	N	N	7	50	10	50	N	N	15	<10
B470	300	1.0	N	N	7	20	20	30	N	<10	10	15
449	300	1.0	N	N	10	30	30	50	N	<10	30	N
L387	20	N	N	N	N	N	N	N	N	N	N	N
L384	500	N	N	N	7	50	30	30	N	<10	15	<10
L385	700	N	N	N	7	20	50	50	N	N	15	10
L386	200	N	N	N	7	50	10	50	N	N	15	15
R284	150	N	N	N	N	30	20	30	N	N	20	20
R285	150	N	N	N	<5	N	50	50	N	N	N	200
R286	100	N	N	N	10	15	7	50	N	N	7	100
R287	150	N	N	N	N	15	10	30	N	N	<5	<10
R288	150	N	N	N	<5	30	<5	50	N	N	5	<10
L382	2,000	N	N	N	15	30	10	30	N	<10	15	<10
L382	2,000	N	N	N	15	30	10	30	N	<10	15	<10
L383	700	<1.0	N	N	7	50	15	50	N	<10	15	<10
R281	500	1.0	N	N	7	30	500	20	<5	N	15	10
R282	500	2.0	N	N	15	50	N	70	N	N	20	10
R283	1,000	<1.0	N	N	10	30	15	30	N	N	15	<10
L380	200	<1.0	N	N	7	30	20	50	N	N	15	10
L381	200	<1.0	N	N	7	50	1,500	30	N	N	15	70
L400	1,000	N	N	N	7	10	10	20	N	N	5	10
L401	150	N	N	N	7	30	10	30	N	<10	20	N
B054	200	1.0	N	N	15	50	500	70	N	10	30	<10
L378	700	<1.0	N	N	15	30	150	50	N	<10	15	150
L379	300	N	N	N	10	30	70	70	N	<10	15	30
B047	1,000	<1.0	<10	N	20	30	2,000	20	<5	<10	30	N

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
M411	N	5	N	N	70	N	30	N	70	N	.04
JA260	N	<5	N	N	10	N	10	N	20	N	.02
JAF147	N	--	--	--	30	N	N	N	--	--	<.02
JAF148	N	--	N	--	15	N	10	N	--	--	N
JAF149	N	--	N	--	15	N	10	N	--	--	<.02
JAF150	N	--	N	--	15	N	<10	N	--	--	N
JAF151	N	--	N	--	10	N	<10	N	--	--	N
JAF730	N	--	N	--	30	N	--	N	--	--	<.02
JA259	N	7	N	100	70	N	20	N	100	N	<.02
JA273	N	5	N	<100	20	N	15	N	150	N	.02
JA274	N	7	N	<100	50	N	20	N	150	N	.02
R131	N	5	N	N	20	N	20	N	150	N	.02
R141	N	7	N	N	30	N	15	N	70	N	N
R150	N	<5	N	200	<10	N	20	N	30	N	.10
R151	N	5	N	N	20	N	15	N	150	N	.04
R152	N	<7	N	N	30	N	30	N	200	N	N
R153	N	10	N	100	30	N	50	N	150	N	.04
B468	N	7	N	100	30	N	20	N	200	N	.04
B493	N	7	N	200	20	N	20	N	150	N	.02
B494	N	5	N	100	15	N	15	N	200	N	.24
R132	N	10	N	N	50	N	30	N	200	N	<.02
R154	N	15	N	N	70	N	50	N	150	N	.04
5148	N	<7	N	N	30	N	30	N	200	N	.04
5258	N	10	N	N	30	N	20	N	70	N	.02
B469	N	10	N	N	30	N	15	N	100	N	.02
B470	N	7	N	N	30	N	30	N	500	N	<.02
449	N	10	N	N	30	N	N	N	30	N	<.02
L387	N	N	N	150	N	N	N	N	200	N	<.02
L384	N	7	N	N	30	N	20	N	150	N	<.02
L385	N	7	N	<100	30	N	20	N	100	N	.04
L386	N	7	N	<100	30	N	20	N	15	N	.06
R284	N	N	N	150	10	N	20	N	30	N	.08
R285	N	N	N	700	<10	N	50	N	50	N	.45
R286	N	<5	N	150	10	N	20	N	30	N	.02
R287	N	<5	N	100	10	N	15	N	50	N	.02
R288	N	<5	N	100	20	N	20	N	150	N	.02
L382	N	7	N	N	30	N	20	N	150	N	.04
L383	N	10	N	N	50	N	20	N	500	N	.30
R281	N	5	N	N	70	N	15	N	>1,000	N	.04
R282	N	10	N	<1,500	50	N	50	N	150	N	.04
R283	N	10	N	N	100	N	20	N	100	N	<.02
L380	N	7	N	1,000	30	N	15	N	70	N	.08
L400	N	5	N	N	30	N	10	N	500	N	<.02
L401	N	<7	N	N	50	N	30	N	300	N	.06
B034	N	10	N	N	30	N	70	N	300	N	.04
L378	N	7	N	N	30	N	50	N	200	N	<.02
L379	N	7	N	N	30	N	20	N			
B047	N	10	N	N	70	N		N			

Chateau rock--continued

sample	latitude	longitude	MAP_NO.	S-FEX	S-MGZ	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
B048	47 7 4	112 44 35	121	7.00	1.00	1.00	.300	700	<.5	N	N	70
B049	47 7 6	112 44 32	121	7.00	5.00	5.00	.300	1,000	N	N	N	20
B050	47 7 34	112 44 18	121	2.00	.70	1.50	.200	700	N	N	N	100
B051	47 7 49	112 44 4	121	3.00	1.50	.07	.200	150	N	N	N	70
B052	47 7 54	112 44 3	121	3.00	1.00	1.50	.200	1,000	N	N	N	30
B053	47 7 57	112 44 4	121	5.00	1.00	2.00	.200	1,000	N	N	N	15
L377	47 7 9	112 44 5	121	5.00	2.00	.15	.150	700	N	N	N	20
JAE286	47 7 38	112 45 29	122	1.50	2.00	.70	.200	700	15.0	N	N	50
L034	47 7 1	112 46 23	123	3.00	3.00	2.00	.200	500	N	N	N	<10
L035	47 7 26	112 46 30	123	3.00	1.50	2.00	.300	700	N	N	N	10
L036	47 7 34	112 46 28	123	1.00	5.00	10.00	.070	1,000	N	N	N	100
L037	47 7 42	112 46 27	123	1.50	2.00	.70	.300	500	N	N	N	150
L038	47 7 46	112 46 28	123	3.00	1.50	1.00	.200	500	N	N	N	100
L039	47 7 49	112 46 27	123	3.00	3.00	5.00	.300	1,000	<.5	N	N	70
L040	47 7 53	112 46 26	123	3.00	2.00	5.00	.200	700	.5	N	N	70
B014	47 7 5	112 49 44	124	3.00	3.00	1.00	.300	300	N	N	N	100
B007	47 7 5	112 50 52	125	1.50	2.00	.07	.200	100	N	N	N	100
B015	47 7 23	112 50 27	125	1.50	2.00	20.00	.050	700	N	N	N	10
B016	47 7 43	112 50 21	125	.50	2.00	20.00	.030	200	N	N	N	10
B017	47 7 58	112 50 14	125	2.00	.50	10.00	.070	300	N	N	N	70
B006	47 7 7	112 51 4	126	3.00	3.00	3.00	.200	300	N	N	N	50
L079	47 7 3	112 52 41	127	15.00	3.00	7.00	1.000	2,000	15.0	N	N	50
L080	47 7 30	112 52 26	127	10.00	5.00	7.00	.700	1,500	.7	N	N	100
L081	47 7 36	112 52 23	127	10.00	5.00	7.00	.700	1,500	N	N	N	100
L082	47 7 50	112 52 17	127	10.00	5.00	10.00	.700	1,500	N	N	N	<10
L083	47 7 57	112 52 13	127	5.00	3.00	10.00	.100	2,000	N	N	N	70
B896	47 7 57	112 55 13	128	5.00	3.00	2.00	.300	1,000	N	N	N	300
B902	47 7 33	113 1 37	129	1.50	1.50	15.00	.150	300	N	N	N	50
B903	47 7 45	113 1 57	129	.70	1.50	20.00	.050	700	N	N	N	N
B905	47 7 35	113 2 53	130	1.50	1.50	20.00	.100	700	N	N	N	20
B906	47 7 17	113 3 8	131	1.00	1.00	20.00	.150	300	N	N	N	30
B907	47 7 2	113 3 51	131	5.00	3.00	7.00	.150	1,000	N	N	N	30
JAE264	47 7 24	113 5 49	132	1.00	2.00	1.50	.300	1,500	3.0	N	N	15
JAE279	47 7 25	113 5 43	132	.70	1.50	1.50	.200	1,000	N	N	N	20
JAE280	47 7 25	113 5 43	132	1.50	1.50	<.05	.200	70	10.0	N	N	50
JAE281	47 7 25	113 5 43	132	1.50	2.00	.70	.200	700	100.0	N	N	30
JAE282	47 7 25	113 5 43	132	1.50	1.00	1.00	.070	300	.7	N	N	<10
B917	47 7 53	113 5 43	132	1.50	2.00	15.00	.150	500	N	N	N	10
B918	47 7 41	113 5 29	132	3.00	2.00	.50	.300	300	N	N	N	70
B919	47 7 36	113 5 44	132	3.00	1.50	.07	.200	150	N	N	N	50
B914	47 7 52	113 8 15	133	10.00	1.50	3.00	1.000	1,000	N	N	N	10
B915	47 7 56	113 8 8	133	5.00	1.50	.30	.200	700	N	N	N	200
M377	47 7 34	113 10 49	134	1.50	3.00	.30	.300	20	N	N	N	50
B920	47 7 19	113 13 6	135	7.00	2.00	5.00	1.000	1,500	N	N	N	N
R152F	47 7 27	113 20 42	136	2.00	3.00	5.00	.300	500	N	N	N	50
JAF741	47 8 6	112 10 36	137	.30	.07	.70	.050	300	N	N	N	10
JAF155	47 8 8	112 16 42	138	.70	.05	.15	--	30	N	N	N	70
JAF156	47 8 8	112 16 42	138	1.50	.03	<.05	--	300	N	N	N	20
JAF157	47 8 45	112 16 35	138	1.50	.03	.10	--	150	N	N	N	70
JAF158	47 8 41	112 16 37	138	2.00	.50	.07	--	500	N	N	N	150

sample	S-BA	S-BE	S-BI	S-CB	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
B048	300	<1.0	N	N	10	50	200	30	N	<10	20	500
B049	700	N	N	N	50	500	70	20	N	N	50	<10
B050	3,000	1.0	N	N	7	30	30	30	N	<10	20	<10
B051	150	N	N	N	15	30	30	30	N	<10	30	N
B052	1,000	N	N	N	10	20	50	30	N	<10	10	<10
B053	1,000	N	N	N	10	30	50	50	N	<10	10	10
L377	1,000	N	N	N	10	30	100	N	N	<10	20	<10
JAE286	500	5.0	<10	N	7	20	2,000	--	N	N	20	15
L034	1,000	N	N	N	20	70	50	20	N	N	15	<10
L035	1,000	N	N	N	15	20	30	50	N	<10	15	15
L036	3,000	N	N	N	5	30	7	20	N	N	10	10
L037	300	1.0	N	N	10	70	50	30	N	10	20	10
L038	700	1.0	N	N	10	50	20	50	N	<10	20	1,000
L039	300	<1.0	N	N	10	50	1,000	30	N	<10	30	150
L040	500	1.0	N	N	15	70	200	50	N	<10	30	10
B014	700	1.5	N	N	10	50	15	70	N	10	20	N
B007	2,000	2.0	N	N	10	70	10	70	N	<10	15	10
B015	50	N	N	N	N	10	10	20	N	N	<5	N
B016	30	N	N	N	N	<10	5	<20	N	N	<5	N
B017	200	N	N	N	5	15	7	30	N	N	10	<10
B006	700	<1.0	N	N	10	50	100	50	N	N	20	20
L079	1,500	1.5	N	N	100	150	5,000	50	N	<15	70	70
L080	300	1.5	N	N	70	300	300	50	N	<10	70	2,000
L081	2,000	N	N	N	70	200	300	70	N	<10	70	<10
L082	700	N	N	N	100	300	300	50	N	<10	70	30
L083	50	<1.0	N	N	15	20	150	<20	N	N	30	20
B896	500	1.5	N	N	20	70	<5	50	N	N	30	50
B902	300	<1.0	N	N	<5	20	10	20	N	N	7	15
B903	700	N	N	N	N	20	N	50	N	N	<5	70
B905	200	<1.0	N	N	N	30	10	30	N	N	5	20
B906	200	<1.0	N	N	N	30	10	20	N	N	7	20
B907	700	1.0	N	N	5	30	10	30	N	N	15	15
JAE264	1,000	5.0	N	N	7	30	2,000	--	N	N	15	30
JAE279	5,000	5.0	N	N	7	30	150	--	<5	N	15	15
JAE280	1,000	5.0	<10	N	7	30	3,000	--	N	N	5	15
JAE281	700	5.0	10	N	7	20	15,000	--	<5	N	20	15
JAE282	5,000	5.0	N	N	5	10	100	--	5	N	7	50
B917	200	N	N	N	<5	20	10	20	N	N	7	<10
B918	700	2.0	N	N	5	50	5	30	N	N	20	10
B919	200	2.0	N	N	10	30	N	30	N	N	30	10
B914	300	1.0	N	N	50	15	300	<20	N	N	30	15
B915	500	1.5	N	N	15	70	<5	50	N	N	30	15
B377	200	1.0	N	N	N	10	20	N	<5	N	7	10
B920	150	<1.0	N	N	50	50	300	<20	N	N	50	<10
R152F	500	1.0	N	N	<5	50	7	30	N	N	15	10
JAF741	200	3.0	N	N	N	50	10	<20	5	N	10	70
JAF155	500	5.0	N	N	<5	50	10	--	N	--	N	20
JAF156	1,000	5.0	N	N	<5	50	<5	--	N	--	10	20
JAF157	100	5.0	N	N	7	50	10	--	N	--	15	20
JAF158	500	5.0	N	N	<5	50	<5	--	N	--	10	20

Chateau rock--continued

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
B048	N	7	N	N	50	N	30	N	300	N	.04
B049	N	30	N	1,500	150	N	15	N	70	N	.06
B050	N	5	N	150	50	N	20	N	300	N	<.02
B051	N	7	N	N	30	N	30	N	300	N	<.02
B052	N	5	N	700	70	N	15	N	150	N	<.02
B053	N	7	N	1,500	70	N	15	N	150	N	.02
L377	N	N	N	N	30	N	15	N	N	N	.04
JAE286	N	7	N	<100	50	N	30	N	200	N	.14
L034	N	15	N	300	100	N	15	N	100	N	.06
L035	N	15	N	1,000	150	N	20	N	150	N	<.02
L036	N	5	N	200	20	N	15	N	150	N	<.02
L037	N	10	N	N	100	N	20	N	200	N	.02
L038	N	10	N	N	70	N	30	N	150	N	.02
L039	N	10	N	<100	70	N	30	N	100	N	.02
L040	N	10	N	<100	70	N	30	N	200	N	.06
B014	N	15	N	N	100	N	30	N	200	N	.12
B007	N	15	N	N	70	N	20	N	150	N	.12
B015	N	N	N	150	30	N	15	N	70	N	.16
B016	N	N	N	100	10	N	10	N	15	N	.06
B017	N	5	N	N	50	N	15	N	70	N	.05
B006	N	7	N	N	70	N	30	N	200	N	.42
L079	N	70	N	N	300	N	70	N	300	N	.52
L080	N	50	N	N	200	N	50	N	150	N	.05
L081	N	50	N	N	200	N	50	N	300	N	.34
L082	N	70	N	200	200	N	50	N	150	N	.06
L083	N	N	N	N	70	N	N	<200	15	N	.06
B896	N	10	N	100	70	N	30	N	200	N	N
B902	N	<5	N	<100	30	N	20	N	70	N	.10
B903	N	N	N	200	20	N	30	N	30	N	.04
B905	N	<5	N	<100	20	N	20	N	70	N	.08
B906	N	7	N	200	30	N	20	N	70	N	.06
B907	N	7	N	<100	50	N	20	N	70	N	.06
JAE264	N	7	N	150	30	N	30	N	150	N	.06
JAE279	N	7	N	500	30	<50	15	N	100	N	<.02
JAE280	N	7	N	<100	50	N	70	N	300	N	.10
JAE281	N	7	N	<100	30	N	50	N	150	N	1.60
JAE282	N	N	N	150	<10	N	20	N	100	N	.15
B917	N	5	N	100	20	N	15	N	50	N	N
B918	N	10	N	N	70	N	20	N	150	N	N
B919	N	10	N	N	50	N	20	N	150	N	N
B914	N	30	N	150	300	N	70	N	150	N	N
B915	N	10	N	N	70	N	20	N	200	N	N
M377	N	7	N	N	50	N	20	N	150	N	.08
B920	N	30	N	150	300	N	30	N	150	N	N
R152F	N	7	N	150	30	N	30	N	300	N	N
JAF741	N	<5	N	150	N	N	<10	N	50	N	.02
JAF155	N	--	N	--	30	N	20	N	--	--	N
JAF156	N	--	N	--	20	N	<10	N	--	--	N
JAF157	N	--	N	--	20	N	<10	N	--	--	N
JAF158	N	--	N	--	30	N	20	N	--	--	<.02

sample	latitude	longitude	MAP_NO.	S-FEX	S-MG%	S-CAZ	S-TIX	S-MN	S-AG	S-AU	S-B
JAF159	47 8 39	112 16 35	138	1.00	.05	<.05	--	200	N	N	70
JAF160	47 8 53	112 16 48	138	1.50	.05	<.05	--	200	N	N	30
JAF731	47 8 44	112 16 34	138	.30	--	<.05	--	100	N	N	--
JAF729	47 8 40	112 17 35	139	.50	--	.05	--	100	N	N	--
JAF152	47 8 50	112 19 0	140	1.00	.03	.10	--	100	N	N	20
JAF236	47 8 48	112 19 35	140	2.00	.07	1.50	--	1,000	N	N	20
EFD165	47 8 34	112 22 58	141	5.00	1.00	1.00	.700	1,000	N	N	30
JAF728	47 8 15	112 25 45	142	1.50	--	<.05	--	200	N	N	--
R129	47 8 47	112 31 34	143	1.00	2.00	20.00	.100	200	N	N	<10
R130	47 8 22	112 31 44	143	1.00	1.50	20.00	.100	500	N	N	<10
R147	47 8 11	112 31 57	143	1.50	3.00	10.00	.200	200	N	N	30
R148	47 8 5	112 32 1	144	1.50	5.00	7.00	.150	300	N	N	30
R149	47 8 1	112 32 6	144	1.50	5.00	10.00	.030	500	N	N	N
B458	47 8 52	112 33 31	145	.70	.50	20.00	.005	300	N	N	N
B459	47 8 43	112 33 42	145	3.00	5.00	10.00	.150	500	N	N	50
B460	47 8 39	112 33 50	145	2.00	5.00	10.00	.150	500	N	N	30
B461	47 8 30	112 34 5	146	1.00	7.00	10.00	.070	500	N	N	<10
B462	47 8 21	112 34 12	146	1.50	7.00	10.00	.070	700	N	N	15
B425	47 8 52	112 35 21	147	1.50	3.00	15.00	.100	300	N	N	20
B426	47 8 37	112 35 29	147	.70	1.50	20.00	.070	1,500	N	N	<10
U416	47 8 55	112 36 40	148	1.00	5.00	15.00	.070	1,500	1.5	N	20
B417	47 8 48	112 36 41	148	3.00	7.00	7.00	.070	1,000	N	N	15
B418	47 8 45	112 36 45	148	1.50	3.00	10.00	.070	500	N	N	15
B419	47 8 40	112 36 49	148	1.00	2.00	15.00	.070	300	N	N	10
B445	47 8 37	112 38 21	149	5.00	1.50	.15	.300	300	N	N	100
B446	47 8 48	112 38 17	149	10.00	2.00	7.00	1.000	1,500	N	N	N
B478	47 8 56	112 38 36	149	7.00	3.00	20.00	.300	300	N	N	100
B479	47 8 56	112 38 27	149	2.00	2.00	.07	.300	50	N	N	100
B477	47 8 38	112 39 44	150	2.00	7.00	15.00	.070	500	N	N	20
L408	47 8 49	112 40 54	151	3.00	3.00	10.00	.150	700	N	N	70
L399	47 8 57	112 41 11	152	2.00	.50	.20	.150	500	N	N	70
L407	47 8 49	112 41 29	152	1.50	3.00	20.00	.050	1,000	N	N	<10
L402	47 8 1	112 42 21	153	5.00	2.00	1.00	.200	1,500	N	N	50
L403	47 8 11	112 42 10	153	5.00	1.00	<2.00	.150	3,000	N	N	70
L404	47 8 25	112 42 1	153	3.00	1.00	3.00	.100	1,000	N	N	100
L405	47 8 37	112 42 4	153	2.00	1.50	5.00	.150	1,000	N	N	100
L406	47 8 42	112 42 25	153	1.50	1.00	10.00	.100	200	N	N	10
B057	47 8 8	112 44 3	154	5.00	1.00	1.50	.300	1,000	N	N	10
B058	47 8 11	112 44 10	154	1.50	.50	.15	.150	100	N	N	70
B059	47 8 25	112 44 27	154	5.00	1.00	.07	.200	150	1.0	N	70
B060	47 8 35	112 44 37	154	5.00	3.00	7.00	.200	1,500	N	N	100
B061	47 8 45	112 44 52	154	3.00	3.00	5.00	.200	1,500	N	N	100
L041	47 8 1	112 46 35	155	3.00	2.00	.50	.200	200	N	N	100
L042	47 8 5	112 46 35	155	3.00	2.00	.05	.200	150	N	N	70
L043	47 8 15	112 46 37	155	1.50	1.50	3.00	.200	1,500	N	N	50
L044	47 8 20	112 46 35	155	2.00	2.00	1.50	.300	300	N	N	100
L045	47 8 24	112 46 33	155	1.00	3.00	20.00	.050	700	N	N	<10
L046	47 8 25	112 46 31	155	.50	1.50	20.00	.050	1,000	.5	N	<10
L047	47 8 28	112 46 31	155	.30	.70	20.00	.030	700	.7	N	<10
L048	47 8 31	112 46 30	155	.50	1.00	20.00	.030	700	N	N	<10

Choteau rock--continued

sample	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
JAF159	5,000	5.0	N	N	N	50	50	150	N	--	<5	20
JAF160	100	5.0	N	N	7	50	10	--	N	--	15	20
JAF731	100	5.0	N	N	--	10	7	--	N	--	5	20
JAF729	>5,000	5.0	N	N	--	15	15	--	N	--	5	30
JAF152	70	5.0	N	N	<5	50	10	--	N	--	7	20
JAF236	1,000	5.0	N	N	5	50	10	--	N	--	10	20
EFD165	500	5.0	N	N	15	30	100	--	N	--	20	20
JAF728	100	5.0	N	N	--	20	15	--	N	--	7	50
R129	200	N	N	N	N	15	7	20	N	N	<5	<10
R130	200	N	N	N	N	15	70	20	N	N	<5	15
R147	200	1.0	N	N	<5	15	10	20	N	N	10	<10
R148	300	1.0	N	N	<5	15	<5	30	N	N	10	<10
R149	100	N	N	N	N	15	<5	20	N	N	N	<10
B458	<20	N	N	N	N	N	<5	N	N	N	<5	N
B459	200	N	N	N	<5	10	<5	20	N	N	10	N
B460	300	N	N	N	7	15	5	<20	N	N	10	10
B461	100	N	N	N	N	N	20	<20	N	N	5	10
B462	300	N	N	N	N	N	15	30	N	N	10	10
B425	100	N	N	N	<5	<10	7	30	N	N	5	10
B426	50	N	N	N	<5	N	700	<20	N	N	N	30
B416	100	N	N	N	5	20	10	30	N	<10	10	10
B417	150	N	N	N	<5	20	10	30	N	N	10	30
B418	70	N	N	N	<5	15	N	<20	N	N	<5	N
B419	70	N	N	N	N	10	10	N	N	N	<5	N
B445	300	1.0	N	N	10	30	200	50	N	<10	20	<10
B446	200	N	N	N	50	30	500	N	N	<10	30	10
B478	500	<1.0	N	N	15	100	30	50	N	<10	50	15
B479	300	1.5	N	N	10	50	70	50	N	<10	20	N
B477	100	N	N	N	N	15	15	20	N	N	7	<10
L408	300	N	N	N	<5	15	5	<20	N	N	15	20
L399	200	<1.0	N	N	7	20	150	20	N	N	15	N
L407	50	N	N	N	N	10	30	20	N	N	<5	15
L402	300	N	N	N	10	20	30	50	N	N	15	<10
L403	2,000	N	N	N	20	20	15	<20	N	<10	20	<10
L404	300	<1.0	N	N	20	20	7	<20	N	<10	20	N
L405	300	N	N	N	10	20	30	30	N	N	15	10
L406	300	N	N	N	5	15	20	30	N	N	10	10
B057	1,000	<1.0	N	N	15	30	15	50	N	<10	15	20
B058	1,000	1.0	N	N	7	50	30	20	N	10	15	N
B059	>5,000	<1.0	N	N	15	50	30	30	N	10	30	70
B060	300	1.0	N	N	10	70	50	20	N	<10	30	10
B061	700	1.0	N	N	10	30	70	30	N	10	20	15
L041	1,500	1.5	N	N	10	50	20	30	N	10	30	N
L042	300	<1.0	N	N	15	50	7	30	N	10	30	300
L043	200	1.0	N	N	10	50	100	30	N	<10	20	1,500
L044	1,500	<1.0	N	N	7	50	7	30	N	<10	20	15
L045	2,000	N	N	N	N	<10	700	30	N	N	<5	70
L046	300	N	N	N	N	10	500	20	N	N	<5	300
L047	300	<1.0	N	N	N	N	300	30	N	N	N	150
L048	700	N	N	N	N	<10	300	30	N	N	N	

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
JAF159	N	--	N	--	50	N	30	N	--	--	<.02
JAF160	N	--	N	--	30	N	<10	N	--	--	.04
JAF731	N	--	N	--	15	N	--	N	--	N	N
JAF729	N	--	N	--	15	N	--	N	--	N	N
JAF152	N	--	N	--	20	N	<10	N	--	--	<.02
JAF236	N	--	N	--	20	N	10	N	--	--	.02
EFD165	N	15	N	100	70	N	50	N	150	--	N
JAF728	N	--	N	--	30	N	--	N	--	N	N
R129	N	N	N	100	10	N	15	N	50	N	.02
R130	N	<5	N	100	15	N	15	N	50	N	.04
R147	N	5	N	<100	20	N	15	N	150	N	.04
R148	N	5	N	100	10	N	15	N	70	N	.04
R149	N	<5	N	N	10	N	10	N	15	N	.02
B458	N	N	N	150	N	N	N	N	N	N	.04
B459	N	N	N	N	20	N	15	N	50	N	.06
B460	N	5	N	N	30	N	15	N	50	N	.04
B461	N	N	N	<100	10	N	15	N	20	N	.04
B462	N	N	N	<100	10	N	15	N	30	N	.02
B425	N	5	N	N	15	N	15	N	70	N	.04
B426	N	N	N	100	10	N	10	N	70	N	.22
B416	N	N	N	<100	30	N	15	N	50	N	<.02
B417	N	5	N	N	20	N	15	N	70	N	.06
B418	N	N	N	<100	10	N	15	N	50	N	.02
B419	N	N	N	<100	10	N	10	N	50	N	<.02
B445	N	10	N	N	30	N	20	N	200	N	.06
B446	N	30	N	100	200	N	30	N	150	N	<.02
B478	N	N	N	<500	50	N	30	N	100	N	<.02
B479	N	10	N	N	70	N	30	N	200	N	.06
B477	N	N	N	N	15	N	10	N	30	N	.04
L408	N	5	N	N	30	N	10	N	50	N	.04
L399	N	7	N	N	30	N	15	N	300	N	.02
L407	N	N	N	100	15	N	15	N	50	N	.04
L402	N	5	N	N	30	N	15	N	300	N	.04
L403	N	N	N	N	50	N	20	N	200	N	.09
L404	N	7	N	N	30	N	20	N	300	N	.04
L405	N	7	N	N	50	N	15	N	70	N	.04
L406	N	5	N	<100	20	N	20	N	50	N	.02
B057	N	10	N	1,500	70	N	15	N	150	N	.02
B058	N	7	N	N	70	N	20	N	200	N	.02
B059	N	10	N	N	50	N	20	N	200	N	.50
B060	N	10	N	<100	50	N	30	N	200	N	.04
B061	N	10	N	N	50	N	20	N	150	N	.02
L041	N	10	N	N	70	N	20	N	150	N	.02
L042	N	7	N	N	70	N	20	N	200	N	<.02
L043	N	7	N	N	50	N	30	N	300	N	.02
L044	N	10	N	N	70	N	15	N	200	N	.04
L045	N	N	N	200	10	N	30	N	10	N	<.02
L046	N	N	N	200	15	N	20	N	50	N	.08
L047	N	N	N	300	15	N	20	N	15	N	.06
L048	N	N	N	300	15	N	20	N	70	N	.04

Chateau rock--continued

sample	Latitude	Longitude	MAP_NO.	S-FEX	S-MGX	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
L049	47 8 34	112 46 28	155	.30	1.50	20.00	.030	700	1.5	N	N	<10
L050	47 8 37	112 46 27	155	.70	2.00	10.00	.070	700	<.5	N	N	15
L051	47 8 40	112 46 27	155	1.50	3.00	15.00	.100	1,000	1.5	N	N	50
L052	47 8 41	112 46 27	155	1.00	1.50	15.00	.070	1,000	N	N	N	30
B029	47 8 47	112 48 52	156	3.00	.70	.05	.300	200	N	N	N	200
B030	47 8 44	112 48 38	156	5.00	3.00	.50	.300	300	N	N	N	70
B031	47 8 43	112 48 26	156	3.00	2.00	2.00	.200	500	1.0	N	N	100
B020	47 8 35	112 49 53	157	2.00	5.00	10.00	.150	500	N	N	N	50
B021	47 8 43	112 49 46	157	.70	1.50	20.00	.030	1,500	N	N	N	N
B022	47 8 45	112 49 42	157	3.00	3.00	7.00	.300	1,000	N	N	N	150
B023	47 8 47	112 49 39	157	5.00	3.00	1.00	.300	300	N	N	N	150
B024	47 8 48	112 49 36	157	3.00	3.00	1.00	.300	500	N	N	N	100
B025	47 8 50	112 49 33	157	3.00	2.00	.15	.300	150	.5	N	N	100
B026	47 8 51	112 49 31	157	5.00	3.00	.15	.300	200	N	N	N	100
B027	47 8 53	112 49 28	157	1.50	1.00	3.00	.200	2,000	N	N	N	50
B028	47 8 46	112 49 18	157	3.00	1.50	2.00	.300	2,000	N	N	N	70
L001	47 8 58	112 49 44	157	1.50	.70	.15	.300	300	3.0	N	N	100
B018	47 8 14	112 50 10	158	1.00	.70	5.00	.150	300	N	N	N	30
B019	47 8 25	112 50 9	158	2.00	1.50	20.00	.070	300	N	200	N	30
0128	47 8 41	112 51 25	159	3.00	5.00	10.00	.150	700	N	N	N	100
B095	47 8 37	112 53 45	160	7.00	3.00	.15	.300	700	N	N	N	150
B096	47 8 30	112 53 44	160	2.00	1.00	.07	.200	200	N	N	N	100
B098	47 8 25	112 53 54	160	2.00	5.00	2.00	.300	2,000	10.0	N	N	100
B101	47 8 33	112 53 27	160	7.00	3.00	2.00	.300	3,000	10.0	N	N	70
B086	47 8 26	112 54 40	161	10.00	1.00	7.00	1.000	1,500	2.0	N	N	50
B088	47 8 46	112 54 54	161	7.00	.70	2.00	1.000	1,500	N	N	N	50
B089	47 8 47	112 54 16	161	2.00	5.00	10.00	.070	1,500	N	N	N	30
B090	47 8 51	112 54 59	161	5.00	3.00	5.00	.300	1,500	N	N	N	70
B091	47 8 56	112 54 59	161	3.00	3.00	5.00	.200	1,000	N	N	N	50
B097	47 8 23	112 54 1	161	2.00	1.50	.20	.300	300	15.0	N	N	70
B099	47 8 24	112 54 8	161	1.50	.50	.15	.150	500	10.0	N	N	50
B100	47 8 21	112 54 25	161	5.00	.70	.20	.300	200	10.0	N	N	50
B087	47 8 46	112 55 0	162	.70	.02	.30	.100	300	2.0	N	N	<10
B944	47 8 40	112 57 55	163	3.00	5.00	15.00	.200	700	N	N	N	70
B945	47 8 19	112 58 11	164	5.00	1.50	.50	.300	1,000	N	N	N	200
B946	47 8 6	112 58 9	164	10.00	3.00	5.00	>1.000	2,000	N	N	N	20
B947	47 8 0	112 58 2	164	3.00	1.00	.10	.200	700	N	N	N	200
B895	47 8 42	113 13 55	166	3.00	3.00	5.00	.300	500	N	N	N	100
M412	47 8 56	113 13 55	166	5.00	5.00	20.00	.070	1,500	N	N	N	150
M375	47 8 4	113 16 48	167	2.00	3.00	.15	.150	70	N	N	N	50
M414	47 8 54	113 16 3	167	1.50	.03	<.05	.003	150	N	N	N	N
JAF162	47 9 37	112 15 55	168	3.00	.70	1.00	--	500	N	N	N	20
JAF163	47 9 37	112 15 55	168	5.00	.50	1.50	--	300	N	N	N	20
JAF164	47 9 37	112 15 55	168	5.00	1.00	15.00	--	200	N	N	N	20
JAF161	47 9 17	112 16 8	169	.30	.50	>20.00	--	500	N	N	N	20
JAF180	47 9 42	112 17 20	170	5.00	.70	1.00	--	500	N	N	N	50
EFB277	47 9 0	112 19 0	171	3.00	1.50	.70	.700	500	N	N	N	50
EFB278	47 9 0	112 19 0	171	3.00	.70	.30	.500	200	<.5	N	N	100
JAF145	47 9 22	112 20 30	172	3.00	1.50	.20	--	500	N	N	N	100
JAF146	47 9 25	112 20 22	172	.30	.03	N	--	10	N	N	N	50

sample	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
L049	50	N	N	N	N	<10	300	50	N	N	<5	500
L050	150	1.0	N	N	N	15	70	30	N	N	5	500
L051	700	<1.0	N	N	<5	20	200	50	20	<10	10	1,000
L052	>5,000	N	N	N	N	20	<5	50	N	N	5	15
B029	300	1.0	N	N	10	50	15	30	N	10	20	10
B030	500	1.0	N	N	15	50	100	30	N	10	30	50
B031	700	1.0	N	N	15	30	1,000	30	N	N	20	15
B020	1,000	N	N	N	7	15	30	20	N	N	10	20
B021	>5,000	N	N	N	N	N	100	20	30	N	N	700
B022	3,000	1.0	N	N	7	50	30	50	N	10	20	15
B023	500	<1.0	N	N	20	70	30	70	N	10	30	10
B024	500	<1.0	N	N	15	70	200	50	N	10	30	10
B025	500	<1.0	N	N	15	50	150	50	N	10	20	<10
B026	300	<1.0	N	N	15	70	30	70	N	15	30	30
B027	300	<1.0	N	N	5	20	30	N	N	N	15	10
B028	300	<1.0	N	N	10	50	100	20	N	10	20	70
L001	2,000	<1.0	N	N	7	50	300	50	N	<10	15	20
B018	300	N	N	N	7	15	15	30	N	N	10	10
B019	150	N	N	N	<5	10	30	30	N	N	7	30
O12B	1,500	<1.0	N	N	N	15	30	30	N	N	5	N
B095	1,500	1.5	N	N	N	70	<5	50	N	10	30	<10
B096	500	2.0	N	N	10	30	10	50	N	10	20	15
B098	500	1.0	N	N	7	50	10,000	50	N	N	20	15
B101	3,000	1.5	N	N	20	100	1,500	70	N	<10	30	50
B086	150	N	N	N	50	<10	1,500	N	N	N	15	70
B088	500	<1.0	N	N	30	50	200	30	N	<10	20	15
B089	300	<1.0	N	N	N	20	20	N	N	N	7	<10
B090	700	1.5	N	N	10	100	15	70	N	N	30	30
B091	200	<1.0	N	N	7	50	10	50	50	<10	15	200
B097	3,000	1.5	N	N	10	70	10,000	70	N	10	30	<10
B099	300	1.5	N	N	7	20	300	20	N	N	15	<10
B100	1,000	<1.0	N	N	15	30	15	50	N	10	15	<10
B087	20	N	N	N	N	<10	1,000	N	N	N	7	10
B944	500	1.5	N	N	10	70	50	30	N	N	20	15
B945	500	2.0	N	N	20	100	70	70	N	N	50	20
B946	200	<1.0	N	N	70	20	700	N	N	N	70	10
B947	500	3.0	N	N	10	50	30	100	N	N	20	10
B895	1,000	1.5	N	N	10	50	N	30	N	N	30	15
M412	300	2.0	N	N	5	20	15	70	N	N	30	20
M375	50	1.5	N	N	5	30	<5	N	N	N	15	N
M414	200	N	N	N	N	N	3,000	50	N	N	<5	N
JAF162	2,000	5.0	N	N	5	50	5	--	N	--	20	30
JAF163	2,000	5.0	N	N	5	50	50	--	N	--	20	70
JAF164	500	5.0	N	N	<5	50	15	--	N	--	10	70
JAF161	30	5.0	N	N	<5	50	5	--	N	--	N	20
JAF180	300	5.0	N	N	10	50	30	--	5	--	20	30
EF8277	1,000	5.0	N	N	20	50	20	--	5	--	30	50
EF8278	500	5.0	N	N	15	100	30	--	N	N	50	20
JAF145	500	5.0	N	N	5	50	15	--	N	--	20	20
JAF146	30	5.0	N	N	N	50	5	--	N	--	N	20

Chateau rock--continued

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
L049	N	N	N	200	15	N	20	N	20	N	.02
L050	N	N	N	100	20	N	20	N	100	N	.02
L051	N	5	N	200	70	N	30	N	150	N	.44
L052	N	N	N	300	150	N	30	N	100	N	.04
B029	N	15	N	N	70	N	20	N	200	N	.04
B030	N	10	N	N	70	N	20	N	200	N	.04
B031	N	10	N	N	50	N	20	N	150	N	.12
B020	N	5	N	N	20	N	20	N	150	N	.07
B021	N	N	N	300	15	N	30	N	10	N	.05
B022	N	10	N	100	50	N	30	N	300	N	.10
B023	N	15	N	70	70	N	30	N	200	N	.08
B024	N	10	N	70	70	N	30	N	200	N	.06
B025	N	10	N	70	70	N	20	N	150	N	.11
B026	N	15	N	70	70	N	30	N	300	N	.05
B027	N	5	N	30	30	N	30	N	200	N	.04
B028	N	10	N	N	70	N	30	N	300	N	.05
L001	N	10	N	100	100	N	30	N	300	N	.24
B018	N	<5	N	30	30	N	15	N	150	N	.06
B019	N	5	N	100	15	N	20	200	70	N	.11
C128	N	7	N	50	50	N	20	N	100	N	.05
B095	N	15	N	100	100	N	50	N	200	N	.02
B096	N	10	N	N	50	N	30	N	150	N	N
B098	N	7	N	100	50	N	30	N	150	N	.18
B101	N	20	N	<100	100	N	70	<200	300	N	.22
B086	1,500	50	N	700	200	N	70	300	150	N	.70
B088	N	30	N	N	50	N	70	<200	300	N	.02
B089	N	<5	N	<100	20	N	20	N	70	N	.05
B090	N	15	N	<100	70	N	50	N	300	N	N
B091	N	10	N	<100	30	N	30	N	150	N	.16
B097	N	15	N	300	70	N	15	N	150	N	.02
B099	N	5	N	N	30	N	30	N	150	N	.03
B100	N	15	N	N	70	N	30	N	50	N	2.50
B087	700	N	N	N	15	N	<10	<200	150	N	.06
B944	N	15	N	<100	70	N	30	N	200	N	N
B945	N	20	N	N	70	N	50	N	150	N	<.02
B946	N	70	N	150	300	N	50	N	150	N	.02
B947	N	10	N	N	70	N	50	N	200	N	.20
B895	N	10	N	N	70	N	30	N	50	N	N
M412	N	20	N	200	70	N	10	N	300	N	.02
M375	N	5	N	N	30	N	10	N	10	N	N
M414	N	N	N	N	N	N	N	N	--	--	N
JAF162	N	--	N	--	50	N	--	N	--	--	<.02
JAF163	N	--	N	--	70	N	--	N	--	--	N
JAF164	N	--	N	--	50	N	--	N	--	--	N
JAF161	N	--	N	--	10	N	N	N	--	--	.03
JAF180	N	--	N	--	100	N	--	N	--	--	.10
EFB277	N	15	N	100	150	N	20	N	150	--	.02
EFB278	N	15	N	100	150	N	20	N	150	--	N
JAF145	N	--	N	--	50	N	20	N	--	--	<.02
JAF146	N	--	N	--	30	N	15	N	--	--	N

sample	Latitude	Longitude	MAP_NO.	S-FEZ	S-MGZ	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
JAE252	47 9 23	112 22 36	173	3.00	2.00	7.00	.070	5,000	1.0	N	N	15
JAF727	47 9 15	112 25 50	174	5.00	--	.07	--	1,000	.5	N	N	--
JAF725	47 9 38	112 26 40	175	2.00	--	.30	--	700	N	N	N	--
JAF726	47 9 40	112 26 25	175	5.00	--	<.05	--	1,000	N	N	N	--
JAF724	47 9 38	112 27 45	176	.50	--	N	--	50	N	N	N	--
R104	47 9 53	112 27 49	176	.50	.03	N	.300	20	N	N	N	70
R42	47 9 43	112 29 53	177	.07	10.00	10.00	.005	200	N	N	N	N
R43	47 9 53	112 29 38	177	.15	.50	20.00	.015	100	N	N	N	N
R44	47 9 46	112 29 21	177	.15	.30	20.00	.010	150	N	N	N	N
R125	47 9 35	112 31 15	178	2.00	3.00	10.00	.070	1,000	N	N	N	15
R127	47 9 23	112 31 16	178	2.00	3.00	10.00	.070	1,000	N	N	N	<10
R128	47 9 16	112 31 26	178	1.00	1.00	20.00	.100	700	N	N	N	<10
B456A	47 9 11	112 32 59	179	5.00	2.00	20.00	.300	500	N	N	N	70
B452	47 9 51	112 33 8	180	2.00	3.00	7.00	.150	500	N	N	N	30
B453	47 9 41	112 33 10	180	1.50	3.00	15.00	.070	3,000	N	N	N	15
B454	47 9 30	112 33 12	180	1.50	3.00	20.00	.070	300	N	N	N	15
B455	47 9 19	112 33 14	180	7.00	3.00	.20	.300	150	N	N	N	70
B456	47 9 14	112 33 36	180	1.00	1.50	20.00	.070	500	N	N	N	20
B457	47 9 3	112 33 23	180	.70	3.00	20.00	.030	500	N	N	N	N
R126	47 9 54	112 33 24	180	3.00	2.00	1.50	.200	500	N	N	N	100
B420	47 9 35	112 34 58	181	2.00	1.00	3.00	.200	1,000	N	N	N	50
B408	47 9 56	112 35 4	182	.70	.20	2.00	.050	2,000	N	N	N	30
B409	47 9 50	112 35 50	182	1.50	1.50	2.00	.300	2,000	N	N	N	70
B410	47 9 47	112 35 58	182	2.00	1.00	.15	.150	700	N	N	N	30
B411	47 9 44	112 35 58	182	1.50	.70	5.00	.150	1,500	N	N	N	20
B421	47 9 24	112 35 0	182	1.00	1.50	3.00	.200	300	N	N	N	50
B422	47 9 16	112 35 2	182	5.00	7.00	10.00	.100	2,000	N	N	N	50
B423	47 9 13	112 35 8	182	.50	1.00	20.00	.020	1,000	N	N	N	N
B424	47 9 6	112 35 15	182	.50	1.00	20.00	.050	2,000	N	N	N	10
B412	47 9 40	112 36 8	183	1.00	.70	.10	.200	150	N	N	N	70
B413	47 9 37	112 36 14	183	3.00	1.00	5.00	.200	3,000	N	N	N	70
B414	47 9 14	112 36 29	183	3.00	1.00	.15	.300	200	N	N	N	100
B415	47 9 1	112 36 35	183	3.00	3.00	5.00	.200	1,500	N	N	N	70
B444	47 9 19	112 37 53	184	1.00	1.00	3.00	.070	2,000	N	N	N	50
B438	47 9 53	112 38 28	185	2.00	1.50	20.00	.100	5,000	N	N	N	15
B439	47 9 48	112 38 25	185	2.00	1.00	.05	.150	100	N	N	N	30
B440	47 9 40	112 38 17	185	5.00	3.00	7.00	.200	2,000	N	N	N	100
B441	47 9 34	112 38 16	185	5.00	2.00	3.00	.200	1,500	N	N	N	70
B442	47 9 29	112 38 10	185	1.50	1.00	2.00	.070	1,000	N	N	N	70
B443	47 9 25	112 38 1	185	3.00	1.50	5.00	.200	1,500	N	N	N	100
B480	47 9 5	112 38 18	185	5.00	5.00	7.00	.150	5,000	15.0	N	N	100
L376	47 9 40	112 39 17	186	.10	2.00	20.00	.020	50	N	N	N	N
B447	47 9 20	112 40 47	187	1.00	.03	<.05	.070	500	N	N	N	10
B448	47 9 26	112 40 48	187	1.50	.07	.05	.070	500	N	N	N	10
B473	47 9 33	112 40 46	187	1.50	.10	.70	.050	700	N	N	N	20
B474	47 9 35	112 40 54	187	1.50	10.00	20.00	.070	700	N	N	N	30
B475	47 9 28	112 40 53	187	.15	10.00	15.00	.002	150	N	N	N	N
B476	47 9 29	112 40 48	187	1.00	.30	.20	.050	300	N	N	N	15
L367	47 9 45	112 40 13	187	.15	10.00	10.00	<.002	150	N	N	N	<10
L394	47 9 40	112 41 40	188	5.00	3.00	5.00	.150	1,500	N	N	N	70

Chateau rock--continued

sample	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
JAE252	700	5.0	N	N	7	15	15	--	N	N	15	200
JAF727	260	5.0	N	N	--	15	20	--	N	--	70	20
JAF725	700	5.0	N	N	--	70	10	--	N	--	15	20
JAF726	300	5.0	N	N	--	30	15	--	N	--	100	20
JAF724	1,500	5.0	N	N	--	<10	10	--	N	--	N	20
R104	50	N	N	N	N	<10	10	30	N	N	<5	<10
R42	N	N	N	N	N	<10	N	N	N	N	N	N
R43	N	N	N	N	N	N	<5	N	N	N	N	N
R44	N	N	N	N	N	N	5	N	N	N	N	N
R125	150	1.0	N	N	N	10	7	<20	N	N	<5	<10
R127	100	N	N	N	N	10	7	<20	N	N	5	<10
R128	150	N	N	N	<5	20	5	30	N	N	<5	<10
B456A	300	<1.0	N	N	10	30	15	30	N	<10	15	15
B452	150	N	N	N	<5	15	5	<20	N	N	10	10
B453	50	N	N	N	10	<10	30	<20	N	N	5	150
B454	70	N	N	N	30	<10	30	<20	N	<10	7	N
B455	500	N	N	N	30	50	20	20	N	<10	20	50
B456	100	N	N	N	N	10	<5	30	N	N	5	N
B457	70	N	N	N	N	N	N	<20	N	N	N	N
R126	300	2.0	N	N	10	30	5	20	N	N	30	<10
B420	1,000	<1.0	N	N	10	20	15	20	N	<10	15	10
B408	3,000	N	N	N	<5	N	N	N	N	N	<5	N
B409	1,000	<1.0	N	N	7	30	70	20	N	N	15	30
B410	1,000	<1.0	N	N	10	20	700	30	N	<10	15	150
B411	150	N	N	N	<5	30	20	20	N	N	10	70
B421	300	<1.0	N	N	7	15	20	N	N	<10	15	<10
B422	70	N	N	N	10	15	15	<20	N	N	15	<10
B423	20	N	N	N	<5	N	<5	<20	N	N	N	15
B424	30	N	N	N	<5	N	7	N	N	N	<5	20
B412	300	N	N	N	10	30	15	50	N	N	15	<10
B413	700	<1.0	N	N	10	30	500	30	N	N	15	150
B414	300	N	N	N	10	50	15	20	N	<10	15	<10
B415	3,000	N	N	N	5	30	70	30	N	<10	10	10
B444	3,000	N	N	N	5	15	15	<20	N	N	<5	N
B438	200	N	N	N	<5	30	70	70	N	N	10	10
B439	300	N	N	N	10	50	10	20	N	N	20	10
B440	2,000	<1.0	N	N	20	50	30	<20	N	N	20	<10
B441	2,000	<1.0	N	N	20	30	1,500	20	15	<10	20	10
B442	200	<1.0	N	N	7	20	5	20	N	N	15	N
B443	300	<1.0	N	N	10	30	15	30	N	<10	20	20
B480	150	<1.0	N	N	30	30	300	20	<5	N	20	<10
L376	N	N	N	N	N	N	N	N	N	N	N	N
B447	50	3.0	N	N	N	N	10	50	N	<10	5	30
B448	70	2.0	N	N	N	N	10	30	N	15	5	30
B473	100	5.0	N	N	N	N	10	50	N	20	<5	50
B474	50	<1.0	N	N	7	10	50	N	N	N	20	20
B475	N	N	N	N	N	N	10	N	N	N	N	N
B476	500	3.0	N	N	<5	N	15	70	N	30	<5	50
L367	N	N	N	N	N	N	N	30	N	N	N	10
L394	1,500	<1.0	N	N	10	20	20	30	N	<10	15	<10

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
JAE252	N	7	N	100	15	N	70	200	50	N	.02
JAF727	N	--	N	--	20	N	--	N	--	N	.02
JAF725	N	--	N	--	30	N	--	N	--	N	N
JAF726	N	--	N	--	70	N	--	N	--	N	.02
JAF724	N	--	N	--	10	N	--	N	--	N	N
R104	N	N	--	100	15	N	<10	N	300	N	.02
R42	N	N	N	N	<10	N	N	N	10	N	.02
R43	N	N	N	200	10	N	N	N	N	N	N
R44	N	N	N	200	15	N	N	N	N	N	<.02
R125	N	<5	N	N	20	N	15	N	30	N	.04
R127	N	N	N	N	15	N	15	N	30	N	.02
R128	N	N	N	100	15	N	20	N	100	N	.02
B456A	N	7	N	N	50	N	15	N	200	N	<.02
B452	N	5	N	<100	20	N	10	N	70	N	<.02
B453	N	N	N	<100	20	N	20	N	70	N	.14
B454	N	N	N	<100	10	N	15	N	50	N	.10
B455	N	10	N	N	50	N	10	N	150	N	.02
B456	N	5	N	100	<10	N	15	N	30	N	<.02
B457	N	N	N	100	N	N	<10	N	<10	N	.02
R126	N	7	N	N	50	N	20	N	200	N	<.02
B420	N	5	N	<100	30	N	30	N	300	N	.02
B408	N	N	N	N	30	N	20	N	150	N	.02
B409	N	7	N	N	70	N	30	N	200	N	<.02
B410	N	5	N	N	30	N	15	N	100	N	.08
B411	N	7	N	N	30	N	20	N	150	N	.04
B421	N	5	N	N	50	N	15	N	200	N	.04
B422	N	5	N	N	50	N	20	N	100	N	.04
B423	N	N	N	N	<10	N	15	N	15	N	.02
B424	N	N	N	100	10	N	10	N	70	N	<.02
B412	N	10	N	N	50	N	20	N	300	N	.04
B413	N	10	N	N	50	N	30	N	200	N	.02
B414	N	10	N	N	50	N	20	N	200	N	.04
B415	N	7	N	N	50	N	20	N	300	N	.02
B444	N	<5	N	200	20	N	10	N	150	N	.04
B438	N	7	N	150	50	N	30	N	100	N	.75
B439	N	7	N	N	30	N	10	N	70	N	.05
B440	N	10	N	N	50	N	20	N	100	N	.06
B441	N	10	N	N	50	N	20	N	150	N	.04
B442	N	10	N	N	50	N	15	N	150	N	.08
B443	N	7	N	N	30	N	30	N	200	N	<.02
B480	N	7	N	<100	50	N	30	<200	200	N	5.00
L376	N	N	N	500	N	N	N	N	N	N	<.02
B447	N	<5	N	N	N	N	30	N	150	N	.02
B448	N	<5	N	N	N	N	20	N	150	N	<.02
B473	N	N	N	N	N	N	30	N	100	N	.02
B474	N	<5	N	<100	10	N	N	N	10	N	.02
B475	N	N	N	N	<10	N	30	N	150	N	.02
B476	N	N	N	N	<10	N	N	N	N	N	<.02
L367	N	N	N	N	<10	N	N	N	N	N	<.02
L394	N	<5	N	N	30	N	20	N	300	N	.04

Choteau rock--continued

sample	Latitude	Longitude	MAP_NO.	S-FEX	S-MGX	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
L395	47 9 28	112 41 42	188	1.50	.50	.20	.150	150	N	N	N	70
L396	47 9 16	112 41 34	188	2.00	1.50	.07	.150	50	N	N	N	100
L397	47 9 1	112 41 34	188	5.00	1.50	2.00	.150	1,000	N	N	N	<10
L398	47 9 2	112 41 22	188	1.00	.70	1.50	.200	500	N	N	N	100
L388	47 9 47	112 42 19	189	1.00	1.00	20.00	.070	500	N	N	N	70
L389	47 9 38	112 42 33	189	.70	.70	20.00	.030	300	N	N	N	<10
L390	47 9 28	112 42 47	189	.50	.50	20.00	.030	700	N	N	N	<10
L391	47 9 27	112 42 25	189	2.00	5.00	7.00	.100	300	N	N	N	70
L392	47 9 33	112 42 10	189	3.00	5.00	20.00	.150	1,500	N	N	N	50
L393	47 9 38	112 42 0	189	.70	.70	20.00	.015	1,500	N	N	N	N
B311	47 9 57	112 43 55	190	.50	1.50	20.00	.050	5,000	N	N	N	<10
B339	47 9 45	112 45 5	191	1.50	2.00	20.00	.050	300	N	N	N	30
L290	47 9 54	112 46 10	192	.70	1.00	10.00	.050	300	N	N	N	30
B102	47 9 55	112 52 57	193	2.00	5.00	7.00	.100	200	N	N	N	30
B103	47 9 57	112 52 33	193	1.00	.70	20.00	.030	500	N	N	N	<10
B092	47 9 2	112 54 58	194	5.00	1.00	.15	.200	150	N	N	N	50
B093	47 9 9	112 54 52	194	1.00	1.00	20.00	.070	500	N	N	N	20
B094	47 9 30	112 54 17	194	1.50	3.00	20.00	.070	500	N	N	N	20
B942	47 9 24	112 57 8	195	1.00	3.00	20.00	.070	500	N	N	N	<10
B943	47 9 1	112 57 48	195	1.00	2.00	20.00	.200	500	N	N	N	20
L096	47 9 59	112 57 49	195	1.50	1.00	.10	.200	300	N	N	N	70
L097	47 9 54	112 57 43	195	1.50	1.50	15.00	.050	500	N	N	N	20
B893	47 9 28	113 1 40	196	2.00	1.00	.30	.200	300	N	N	N	100
B894	47 9 34	113 2 59	197	5.00	1.50	2.00	.500	700	N	N	N	150
B889	47 9 31	113 2 40	197	5.00	2.00	3.00	.500	2,000	N	N	N	300
B890	47 9 28	113 2 27	197	3.00	2.00	.15	.200	1,500	N	N	N	150
B891	47 9 29	113 2 11	197	5.00	3.00	5.00	.300	1,000	N	N	N	100
B892	47 9 46	113 4 0	198	3.00	3.00	5.00	.300	1,500	N	N	N	100
B878	47 9 54	113 4 19	198	5.00	1.50	.10	.300	700	N	N	N	150
B879	47 9 14	113 8 16	199	3.00	2.00	2.00	.200	700	N	N	N	100
B888	47 9 43	113 16 35	200	3.00	2.00	5.00	.300	300	N	N	N	30
M415	47 9 33	113 17 14	201	2.00	2.00	.30	.500	500	N	N	N	150
M416	47 9 1	113 18 38	202	2.00	3.00	15.00	.150	700	N	N	N	70
M418	47 9 49	113 21 36	203	1.50	.70	.10	.150	150	N	N	N	70
M363	47 9 29	113 21 2	203	.70	.70	1.00	.100	500	N	N	N	30
M364	47 10 32	112 6 30	204	10.00	3.00	2.00	.300	1,000	N	N	N	<10
JAF742	47 10 1	112 27 41	205	1.00	.30	N	.070	30	N	N	N	N
R105	47 10 9	112 27 41	205	2.00	1.50	<.05	.100	30	N	N	N	N
R106	47 10 18	112 27 43	205	1.50	5.00	7.00	.150	700	N	N	N	70
R107	47 10 22	112 27 42	205	3.00	3.00	3.00	.200	300	N	N	N	70
R108	47 10 26	112 27 39	205	1.50	1.50	1.50	.150	150	N	N	N	30
R109	47 10 30	112 27 33	205	5.00	5.00	20.00	.300	700	N	N	N	150
R110	47 10 42	112 27 24	205	1.50	2.00	20.00	.150	3,000	N	N	N	10
R111	47 10 46	112 27 22	205	2.00	1.00	20.00	.150	3,000	N	N	N	10
R112	47 10 58	112 27 16	205	5.00	1.50	20.00	.300	>5,000	N	N	N	70
R113	47 10 54	112 28 20	206	1.50	.02	<.05	.100	15	N	N	N	300
R100	47 10 48	112 28 18	206	3.00	1.00	.07	.500	1,000	N	N	N	100
R101	47 10 23	112 28 27	206	2.00	2.00	2.00	.300	500	N	N	N	50
R102	47 10 17	112 28 28	206	1.00	1.00	.05	.050	100	N	N	N	20

sample	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
L395	500	N	N	N	5	30	N	20	N	N	15	<10
L396	200	N	N	N	7	30	10	30	N	<10	15	N
L397	1,500	N	N	N	7	20	20	<20	N	N	<5	10
L398	3,000	N	N	N	5	20	<5	N	N	N	10	N
L388	200	N	N	N	5	20	10	30	N	N	7	10
L389	50	N	N	N	7	10	10	N	N	N	5	50
L390	70	N	N	N	7	<10	10	<20	N	N	5	20
L391	1,000	<1.0	N	N	5	30	15	50	N	N	15	20
L392	200	N	N	N	7	30	N	30	N	N	15	15
L393	5,000	N	N	N	N	N	N	20	N	N	N	10
B311	<20	N	N	N	10	N	30	20	N	N	<5	700
B339	70	N	N	N	N	15	<5	20	N	N	5	N
L290	150	<1.0	N	N	5	10	15	30	N	N	10	70
B102	150	N	N	N	5	30	10	30	N	<10	15	15
B103	50	N	N	N	<5	10	10	30	N	N	7	70
B092	3,000	1.0	N	N	50	50	30	70	N	10	7	20
B093	300	N	N	N	N	15	15	30	N	N	10	15
B094	200	N	N	N	10	20	7	30	N	N	15	30
B942	150	<1.0	N	N	<5	20	10	<20	N	N	<5	20
B943	700	<1.0	N	N	10	70	10	<20	N	N	15	15
L096	500	1.0	N	N	10	30	1,500	70	N	10	7	15
L097	>5,000	N	N	N	7	<10	7	30	N	N	7	30
B893	700	1.5	N	N	7	30	N	30	N	N	20	10
B894	500	2.0	N	N	10	50	N	50	N	N	20	20
B889	>5,000	2.0	N	N	10	70	700	70	10	N	20	70
B890	500	2.0	N	N	10	70	N	70	N	N	30	15
B891	500	1.5	N	N	10	50	500	50	N	N	50	70
B892	500	2.0	N	N	10	70	N	50	N	N	30	15
B878	1,000	1.5	N	N	10	70	50	30	N	N	20	15
B879	5,000	2.0	N	N	15	70	<5	30	N	N	30	15
B888	300	2.0	N	N	15	30	100	70	N	N	20	15
M415	150	N	N	N	5	50	20	20	N	N	10	10
M416	200	2.0	N	N	50	50	500	50	N	N	30	30
M418	200	2.0	N	N	20	30	15	N	N	N	30	20
M363	150	2.0	N	N	10	50	5	N	N	N	20	N
M364	150	1.0	N	N	N	15	30	N	N	N	5	N
JAF742	5,000	<1.0	N	N	50	30	70	<20	5	N	30	15
R105	700	<1.0	N	N	N	10	N	20	N	N	5	<10
R106	700	1.0	N	N	5	15	N	30	N	N	20	<10
R107	1,500	<1.0	N	N	<5	50	7	30	N	N	15	10
R108	700	1.0	N	N	10	50	<5	30	N	N	30	10
R109	5,000	<1.0	N	N	N	30	N	<20	N	N	7	<10
R110	>5,000	2.0	N	N	10	70	30	50	N	N	50	30
R111	1,000	N	N	N	N	50	20	70	N	N	<5	10
R112	150	N	N	N	15	50	30	70	N	N	7	20
R113	500	<1.0	N	N	15	50	N	70	N	N	30	<10
R100	100	<1.0	N	N	N	<10	<5	<20	N	N	<5	N
R101	500	1.5	N	N	10	50	5	20	N	N	30	<10
R102	500	1.0	N	N	7	50	N	20	N	N	20	<10
R103	1,500	N	N	N	7	<10	N	N	N	N	20	<10

Choteau rock--continued

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
L395	N	7	N	N	30	N	20	N	200	N	.02
L396	N	10	N	N	30	N	30	N	150	N	<.02
L397	N	7	N	700	50	N	10	N	30	N	.02
L398	N	N	N	N	20	N	15	N	150	N	<.02
L388	N	5	N	200	10	N	20	N	70	N	.30
L389	N	<5	N	150	10	N	10	N	50	N	.08
L390	N	<5	N	200	<10	N	15	N	30	N	.30
L391	N	7	N	N	30	N	20	N	100	N	.02
L392	N	N	N	N	30	N	20	N	N	N	<.02
L393	N	N	N	300	10	N	20	N	N	N	.02
B311	N	N	N	150	<10	N	20	3,000	50	N	3.00
B339	N	<5	N	100	10	N	15	N	30	N	<.02
L290	N	<5	N	100	15	N	15	N	70	N	.28
B102	N	5	N	N	30	N	15	N	100	N	.03
B103	N	N	N	200	10	N	15	N	30	N	.06
B092	N	7	N	N	20	N	50	N	500	N	.07
B093	N	<5	N	100	15	N	15	1,000	700	N	.26
B094	N	N	N	200	15	N	30	N	500	N	.07
B942	N	N	N	700	20	N	15	N	70	N	.12
B943	N	7	N	<200	30	N	20	N	200	N	.16
L096	N	10	N	N	70	N	20	N	150	N	.20
L097	N	10	N	200	<10	N	20	N	20	N	N
B893	N	10	N	N	50	N	30	N	700	N	<.02
B894	N	15	N	N	70	N	50	N	500	N	.06
B889	N	15	N	<100	150	N	70	N	500	N	.12
B890	N	15	N	N	70	N	30	N	500	N	.10
B891	N	10	N	N	50	N	30	N	500	N	.08
B892	N	15	N	N	70	N	30	N	200	N	.28
B878	N	15	N	N	70	N	30	N	500	N	.18
B879	N	15	N	N	70	N	30	N	1,000	N	.06
B888	N	10	N	N	50	N	30	N	150	N	.06
M415	N	7	N	N	70	N	50	N	200	N	<.02
M416	N	30	N	N	70	N	50	N	300	N	.06
M418	N	N	N	N	70	N	50	N	100	N	.02
M363	N	5	N	N	70	N	50	N	100	N	.02
M364	N	<5	N	N	70	N	20	N	100	N	.02
JAF742	N	20	N	N	30	N	10	N	70	N	.03
R105	N	N	N	500	150	N	15	N	50	N	N
R106	N	N	--	100	15	N	10	N	100	N	<.02
R107	N	5	N	100	20	N	10	N	50	N	<.02
R108	N	7	N	N	30	N	20	N	150	N	<.02
R109	N	10	N	N	50	N	20	N	200	N	.02
R110	N	5	N	<100	20	N	15	N	150	N	<.02
R111	N	<15	N	N	100	N	30	N	200	N	.02
R112	N	<5	N	<100	50	N	30	N	200	N	N
R113	N	<5	N	<100	30	N	50	N	200	N	<.02
R100	N	<10	N	N	70	N	70	N	300	N	N
R101	N	N	N	N	20	N	<10	N	300	N	<.02
R102	N	10	N	N	70	N	20	N	500	N	N
R103	N	7	N	N	50	N	20	N	300	N	N
	N	N	N	100	<10	N	<10	N	100	N	<.02

sample	Latitude	Longitude	MAP_NO.	S-FEX	S-MGZ	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
R99	47 10 58	112 28 20	206	1.00	.03	.20	.070	200	N	N	N	20
BM179	47 10 5	112 29 10	207	5.00	5.00	15.00	.150	5,000	10.0	N	N	100
JAE253	47 10 24	112 29 18	207	1.50	.10	20.00	.070	200	3.0	N	N	N
R35	47 10 9	112 30 57	208	1.00	1.00	20.00	.070	1,500	2.0	N	N	N
R36	47 10 9	112 30 52	208	10.00	5.00	3.00	.500	2,000	N	N	N	100
R37	47 10 10	112 30 46	208	5.00	2.00	2.00	.300	1,000	N	N	N	70
R38	47 10 11	112 30 45	208	10.00	3.00	10.00	.500	5,000	N	N	N	70
R39	47 10 13	112 30 40	208	15.00	2.00	5.00	1.000	2,000	N	N	N	30
R40	47 10 17	112 30 32	208	15.00	1.50	20.00	1.000	3,000	1.0	N	N	<10
R41	47 10 18	112 30 12	208	1.00	2.00	20.00	.050	300	N	N	N	N
R32	47 10 11	112 31 46	209	1.50	7.00	10.00	.070	700	N	N	N	15
R33	47 10 8	112 31 27	209	1.50	7.00	10.00	.070	500	N	N	N	15
R34	47 10 10	112 31 11	209	1.50	7.00	15.00	.070	1,000	N	N	N	10
R1	47 10 12	112 32 2	210	.50	1.50	15.00	.150	200	N	N	N	50
R2	47 10 28	112 32 20	210	1.50	5.00	5.00	.100	300	N	N	N	15
R3	47 10 38	112 32 24	210	1.50	1.50	15.00	.150	700	N	N	N	30
B451	47 10 7	112 33 28	211	1.00	2.00	20.00	.070	3,000	N	N	N	<10
B405	47 10 50	112 34 37	212	2.00	3.00	10.00	.070	500	N	N	N	20
B406	47 10 30	112 34 44	212	1.00	1.50	15.00	.070	700	N	N	N	10
B407	47 10 16	112 34 36	212	2.00	3.00	7.00	.150	1,000	N	N	N	50
B449	47 10 31	112 34 14	212	1.00	3.00	15.00	.070	1,000	N	N	N	20
B450	47 10 25	112 34 0	212	2.00	2.00	7.00	.150	300	N	N	N	70
R87	47 10 52	112 34 56	212	1.00	1.50	20.00	.070	500	N	N	N	N
R88	47 10 57	112 34 46	212	1.00	3.00	20.00	.070	300	N	N	N	N
B431	47 10 57	112 37 39	213	1.50	3.00	3.00	.300	700	3.0	N	N	70
B432	47 10 52	112 37 43	213	1.50	1.00	7.00	.150	3,000	N	N	N	50
B433	47 10 47	112 37 50	213	2.00	3.00	7.00	.150	1,500	7.0	N	N	70
B434	47 10 44	112 38 1	214	1.00	.50	1.00	.200	700	N	N	N	50
B435	47 10 36	112 38 14	214	7.00	.70	2.00	.300	1,500	N	N	N	70
B436	47 10 26	112 38 24	214	2.00	1.00	5.00	.150	1,500	N	N	N	20
B437	47 10 11	112 38 33	214	2.00	1.50	15.00	.150	2,000	N	N	N	15
L373	47 10 36	112 39 52	215	.15	1.50	20.00	.020	50	N	N	N	N
L374	47 10 5	112 39 47	215	.30	1.00	20.00	.010	100	N	N	N	N
L375	47 10 0	112 39 32	215	.50	1.00	20.00	.070	200	N	N	N	10
L358	47 10 51	112 41 7	216	<.05	10.00	15.00	.002	10	N	N	N	10
L359	47 10 44	112 41 10	216	.07	10.00	15.00	.002	150	N	N	N	N
L360	47 10 40	112 41 3	216	.05	.70	20.00	.005	10	N	N	N	N
L364	47 10 27	112 41 6	216	.30	.70	20.00	.030	50	N	N	N	10
B308	47 10 24	112 43 57	217	.20	.10	N	.030	<10	N	N	N	10
B306	47 10 54	112 44 17	218	3.00	2.00	2.00	.200	1,000	N	N	N	70
B307	47 10 39	112 44 8	218	2.00	1.50	.50	.150	300	N	N	N	100
B309	47 10 14	112 44 12	218	.20	.07	<.05	.007	<10	N	N	N	70
B331	47 10 58	112 44 49	218	1.00	1.50	.15	.150	150	N	N	N	70
B332	47 10 45	112 44 53	218	1.50	1.00	.10	.050	50	N	N	N	30
B333	47 10 37	112 44 54	218	3.00	2.00	.10	.200	100	N	N	N	100
B334	47 10 28	112 44 55	218	.20	.10	<.05	.015	N	N	N	N	20
B335	47 10 22	112 44 55	218	.30	.10	<.05	.050	10	N	N	N	20
B337	47 10 1	112 44 50	218	.30	.15	<.05	.030	150	N	N	N	20
L283	47 10 58	112 46 25	219	1.50	1.50	1.00	.150	200	N	N	N	30
L284	47 10 52	112 46 24	219	3.00	3.00	5.00	.150	700	N	N	N	70

Choteau rock--continued

sample	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
R99	150	N	N	N	N	<10	<5	<20	N	N	5	N
BM179	5,000	1.0	10	N	20	20	3,000	50	N	N	15	300
JAE253	<20	5.0	N	N	N	N	3,000	--	N	N	<5	500
R35	>5,000	N	<10	N	15	20	2,000	70	150	N	7	>20,000
R36	1,500	2.0	N	N	7	70	20	50	N	N	30	30
R37	700	5.0	N	N	10	50	200	50	N	N	50	50
R38	1,000	3.0	N	N	15	150	50	150	N	<20	50	70
R39	700	2.0	N	N	70	70	700	30	N	N	70	15
R40	<20	<1.0	N	N	30	<10	1,000	N	N	N	30	1,500
R41	150	N	N	N	N	10	10	N	N	N	<5	<10
R32	200	N	N	N	N	15	7	20	N	N	<5	<10
R33	200	N	N	N	N	15	20	20	N	N	5	20
R34	200	N	N	N	N	15	15	20	N	N	5	20
R1	300	N	N	N	N	15	7	<20	N	N	7	<10
R2	150	<1.0	N	N	N	15	5	<20	N	N	7	<10
R3	1,500	N	N	N	N	15	20	30	N	N	7	20
B451	70	N	N	N	10	<10	<5	<20	N	N	<5	20
B405	100	N	N	N	<5	10	15	<20	N	N	7	10
B406	100	N	N	N	N	<10	N	<20	N	N	<5	<10
B407	300	N	N	N	7	15	N	<20	N	N	15	<10
B449	100	N	N	N	N	<10	15	N	N	N	5	<10
B450	300	<1.0	N	N	7	30	10	20	N	N	15	10
R87	70	N	N	N	N	15	<5	30	N	N	N	<10
R88	150	N	N	N	N	15	7	<20	N	N	5	20
B431	700	<1.0	N	N	7	50	1,500	50	N	N	15	<10
B432	300	<1.0	N	N	5	20	20	30	N	N	15	10
B433	1,000	<1.0	N	N	10	30	7,000	50	N	<10	15	<10
B434	200	1.0	N	N	5	30	7	50	N	<10	15	<10
B435	300	<1.0	N	N	<5	20	7	20	N	<10	15	<10
B436	700	<1.0	N	N	7	30	30	20	N	N	15	<10
B437	200	N	N	N	7	50	7	30	N	N	15	10
L373	N	N	N	N	N	N	N	N	N	N	N	N
L374	<20	N	N	N	N	N	<5	<20	N	N	<5	<10
L375	20	N	N	N	N	10	N	N	N	N	N	N
L358	N	N	N	N	N	N	<5	N	N	N	N	N
L359	N	N	N	N	N	N	<5	N	N	N	N	N
L360	N	N	N	N	N	N	N	N	N	N	N	N
L364	N	N	N	N	N	10	N	N	N	N	<5	N
B308	200	N	N	N	N	N	7	N	N	N	5	N
B306	300	<1.0	N	N	10	70	<5	50	N	<10	20	<10
B307	700	1.0	N	N	10	50	<5	50	N	<10	20	10
B309	300	N	N	N	N	N	N	N	N	<10	<5	N
B331	300	<1.0	N	N	5	70	30	<20	N	<10	15	<10
B332	200	N	N	N	<5	15	10	<20	N	N	15	N
B333	200	<1.0	N	N	7	70	30	30	N	<10	30	<10
B334	300	N	N	N	N	<10	10	N	N	N	<5	N
B335	200	<1.0	N	N	N	10	20	N	N	N	<5	N
B337	300	N	N	N	N	10	50	N	N	N	5	N
L283	2,000	<1.0	N	N	<5	30	15	<20	N	<10	10	<10
L284	>5,000	<1.0	N	N	10	30	150	<20	15	<10	30	20

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
R99	N	N	N	N	15	N	<10	N	100	N	N
BM179	N	7	N	200	70	N	70	N	100	N	.08
JAE253	N	10	N	300	70	N	30	N	<10	N	N
R35	N	<5	N	<200	15	N	50	N	70	N	.55
R36	N	15	N	N	70	N	50	N	300	N	.06
R37	N	10	N	N	50	N	100	N	500	N	.10
R38	N	15	N	N	100	N	700	N	500	N	.08
R39	N	30	N	<200	300	N	50	N	500	N	.06
R40	N	30	N	<200	300	N	70	N	300	N	.04
R41	N	N	N	100	10	N	10	N	20	N	.02
R42	N	<5	N	N	15	N	15	N	30	N	.04
R43	N	<5	N	N	15	N	15	N	30	N	.10
R44	N	<5	N	<100	10	N	15	N	30	N	.06
R45	N	<5	N	<100	20	N	15	N	100	N	.10
R46	N	<5	N	<100	30	N	15	N	30	N	.08
R47	N	5	N	N	30	N	20	N	100	N	.08
R48	N	<5	N	N	20	N	20	N	100	N	.06
R49	N	N	N	100	<10	N	15	500	30	N	.04
R50	N	N	N	N	15	N	15	N	30	N	.04
R51	N	5	N	<100	10	N	15	N	50	N	<.02
R52	N	N	N	N	10	N	20	N	150	N	.02
R53	N	7	N	N	30	N	10	N	30	N	.08
R54	N	N	N	<100	<10	N	15	N	100	N	.06
R55	N	10	N	150	30	N	20	N	20	N	<.02
R56	N	<5	N	150	<10	N	15	500	30	N	<.02
R57	N	N	N	N	15	N	15	N	20	N	.20
R58	N	5	N	N	70	N	30	N	100	N	.02
R59	N	7	N	N	20	N	30	N	200	N	.05
R60	N	7	N	N	50	N	30	N	150	N	.04
R61	N	7	N	N	20	N	20	N	300	N	.04
R62	N	7	N	N	30	N	30	N	150	N	.02
R63	N	5	N	N	20	N	20	N	100	N	.04
R64	N	7	N	N	20	N	30	N	200	N	.02
R65	N	7	N	150	20	N	30	N	<10	N	<.02
R66	N	N	N	200	<10	N	N	N	N	N	.04
R67	N	N	N	300	<10	N	10	N	20	N	<.02
R68	N	N	N	500	10	N	N	N	N	N	<.02
R69	N	N	N	N	N	N	N	N	N	N	<.02
R70	N	N	N	N	10	N	N	N	N	N	<.02
R71	N	N	N	N	10	N	N	N	N	N	<.02
R72	N	N	N	N	10	N	N	N	N	N	<.02
R73	N	N	N	N	10	N	N	N	N	N	<.02
R74	N	N	N	N	10	N	N	N	N	N	<.02
R75	N	N	N	N	10	N	N	N	N	N	<.02
R76	N	N	N	N	10	N	N	N	N	N	<.02
R77	N	N	N	N	10	N	N	N	N	N	<.02
R78	N	N	N	N	10	N	N	N	N	N	<.02
R79	N	N	N	N	10	N	N	N	N	N	<.02
R80	N	N	N	N	10	N	N	N	N	N	<.02
R81	N	N	N	N	10	N	N	N	N	N	<.02
R82	N	N	N	N	10	N	N	N	N	N	<.02
R83	N	N	N	N	10	N	N	N	N	N	<.02
R84	N	N	N	N	10	N	N	N	N	N	<.02
R85	N	N	N	N	10	N	N	N	N	N	<.02
R86	N	N	N	N	10	N	N	N	N	N	<.02
R87	N	N	N	N	10	N	N	N	N	N	<.02
R88	N	N	N	N	10	N	N	N	N	N	<.02
R89	N	N	N	N	10	N	N	N	N	N	<.02
R90	N	N	N	N	10	N	N	N	N	N	<.02
R91	N	N	N	N	10	N	N	N	N	N	<.02
R92	N	N	N	N	10	N	N	N	N	N	<.02
R93	N	N	N	N	10	N	N	N	N	N	<.02
R94	N	N	N	N	10	N	N	N	N	N	<.02
R95	N	N	N	N	10	N	N	N	N	N	<.02
R96	N	N	N	N	10	N	N	N	N	N	<.02
R97	N	N	N	N	10	N	N	N	N	N	<.02
R98	N	N	N	N	10	N	N	N	N	N	<.02
R99	N	N	N	N	10	N	N	N	N	N	<.02
R100	N	N	N	N	10	N	N	N	N	N	<.02
R101	N	N	N	N	10	N	N	N	N	N	<.02
R102	N	N	N	N	10	N	N	N	N	N	<.02
R103	N	N	N	N	10	N	N	N	N	N	<.02
R104	N	N	N	N	10	N	N	N	N	N	<.02
R105	N	N	N	N	10	N	N	N	N	N	<.02
R106	N	N	N	N	10	N	N	N	N	N	<.02
R107	N	N	N	N	10	N	N	N	N	N	<.02
R108	N	N	N	N	10	N	N	N	N	N	<.02
R109	N	N	N	N	10	N	N	N	N	N	<.02
R110	N	N	N	N	10	N	N	N	N	N	<.02
R111	N	N	N	N	10	N	N	N	N	N	<.02
R112	N	N	N	N	10	N	N	N	N	N	<.02
R113	N	N	N	N	10	N	N	N	N	N	<.02
R114	N	N	N	N	10	N	N	N	N	N	<.02
R115	N	N	N	N	10	N	N	N	N	N	<.02
R116	N	N	N	N	10	N	N	N	N	N	<.02
R117	N	N	N	N	10	N	N	N	N	N	<.02
R118	N	N	N	N	10	N	N	N	N	N	<.02
R119	N	N	N	N	10	N	N	N	N	N	<.02
R120	N	N	N	N	10	N	N	N	N	N	<.02
R121	N	N	N	N	10	N	N	N	N	N	<.02
R122	N	N	N	N	10	N	N	N	N	N	<.02
R123	N	N	N	N	10	N	N	N	N	N	<.02
R124	N	N	N	N	10	N	N	N	N	N	<.02
R125	N	N	N	N	10	N	N	N	N	N	<.02
R126	N	N	N	N	10	N	N	N	N	N	<.02
R127	N	N	N	N	10	N	N	N	N	N	<.02
R128	N	N	N	N	10	N	N	N	N	N	<.02
R129	N	N	N	N	10	N	N	N	N	N	<.02
R130	N	N	N	N	10	N	N	N	N	N	<.02
R131	N	N	N	N	10	N	N	N	N	N	<.02
R132	N	N	N	N	10	N	N	N	N	N	<.02
R133	N	N	N	N	10	N	N	N	N	N	<.02
R134	N	N	N	N	10	N	N	N	N	N	<.02
R135	N	N	N	N	10	N	N	N	N	N	<.02
R136	N	N	N	N	10	N	N	N	N	N	<.02
R137	N	N	N	N	10	N	N	N	N	N	<.02
R138	N	N	N	N	10	N	N	N	N	N	<.02
R139	N	N	N	N	10	N	N	N	N	N	<.02
R140	N	N	N	N	10	N	N	N	N	N	<.02
R141	N	N	N	N	10	N	N	N	N	N	<.02
R142	N	N	N	N	10	N	N	N	N	N	<.02
R143	N	N	N	N	10	N	N	N	N	N	<.02
R144	N	N	N	N	10	N	N	N	N	N	<.02
R145	N	N	N	N	10	N	N	N	N	N	<.02
R146	N	N	N	N	10	N	N	N	N	N	<.02
R147	N	N	N	N	10	N	N	N	N	N	<.02
R148	N	N	N	N	10	N	N	N	N	N	<.02
R149	N	N	N	N	10	N	N	N	N	N	<.02
R150	N	N	N	N	10	N	N	N	N	N	<.02
R151	N	N	N	N	10	N	N	N	N	N	<.02
R152	N	N	N	N	10	N	N	N	N	N	<.02
R153	N	N	N	N	10	N	N	N	N	N	<.02
R154	N	N	N	N	10	N	N	N	N	N	<.02
R155	N	N	N	N	10	N	N	N	N	N	<.02
R156	N	N	N	N	10	N	N	N	N	N	<.02
R157	N	N	N	N	10	N	N	N	N	N	<.02
R158	N	N	N	N	10	N	N	N	N	N	<.02
R159	N	N	N	N	10	N	N	N	N	N	<.02
R160	N	N	N	N	10	N	N	N	N	N	<.02
R161	N	N	N	N	10	N	N	N	N	N	<.02
R162	N	N	N	N	10	N	N	N	N	N	<.02
R163	N	N	N	N	10	N	N	N	N	N	<.02
R164	N	N	N	N	10	N	N	N	N	N	<.02
R165	N	N	N	N	10	N	N	N	N	N	<.02
R166	N	N	N	N	10	N	N	N	N	N	<.02
R167	N	N	N	N	10	N	N	N	N	N	<.02
R168	N	N	N	N	10	N	N	N	N	N	<.02
R169	N	N	N	N	10	N	N	N	N	N	<.02
R170	N	N	N	N	10	N	N	N	N	N	<.02
R171	N	N	N	N	10	N	N	N	N	N	<.02
R172	N	N	N	N	10	N	N	N	N	N	<.02
R173	N	N	N	N	10	N	N	N	N	N	<.02
R174	N	N	N	N	10	N	N	N	N	N	<.02
R175	N	N	N	N	10	N	N	N	N	N	<.02
R176	N	N	N	N	10	N	N	N	N	N	<.02
R177	N	N	N	N	10	N	N	N	N	N	<.02
R178	N	N	N	N	10	N	N	N	N	N	<.02
R179	N	N	N	N	10	N	N	N	N	N	<.02
R180	N	N	N	N	10	N	N	N	N	N	<.02
R181	N	N	N	N	10	N	N	N	N	N	<.02
R182	N	N	N	N	10	N	N	N	N	N	<.02
R183	N	N	N	N	10	N	N	N	N	N	<.02
R184	N	N	N	N	10	N	N	N	N	N	<.02
R185	N	N	N	N	10	N	N	N	N	N	<.02
R186	N	N	N	N	10	N	N	N	N	N	<.02
R187	N	N	N	N	10	N	N	N	N	N	<.02
R188	N	N	N	N	10	N	N	N	N	N	<.02
R189	N	N	N	N	10	N	N	N	N	N	<.02
R190	N	N	N	N	10	N	N	N	N	N	<.02
R191	N	N	N	N	10	N	N	N	N	N	<.02
R192	N	N	N	N	10	N	N	N	N		

Choteau rock--continued

sample	Latitude	Longitude	MAP_NO.	S-FEX	S-MGZ	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
L285	47 10 45	112 46 17	219	1.50	2.00	1.50	.150	500	N	N	N	50
L286	47 10 31	112 46 7	219	2.00	3.00	1.50	.150	300	N	N	N	50
L287	47 10 24	112 46 6	219	2.00	3.00	5.00	.150	300	N	N	N	20
L288	47 10 14	112 46 6	219	2.00	3.00	10.00	.150	300	N	N	N	70
L289	47 10 3	112 46 7	219	.70	1.00	20.00	.070	300	N	N	N	30
B291	47 10 54	112 48 49	220	5.00	2.00	5.00	.200	700	N	N	N	100
B292	47 10 49	112 48 56	220	.70	1.00	20.00	.030	300	N	N	N	10
B293	47 10 43	112 48 56	220	.50	1.00	20.00	.050	200	N	N	N	20
B104	47 10 3	112 52 20	221	1.00	.50	20.00	.050	300	N	N	N	10
B105	47 10 21	112 52 9	221	1.50	3.00	10.00	.070	700	N	N	N	15
L099	47 10 19	112 56 58	222	1.50	.50	1.00	.150	1,500	<.5	N	N	70
L100	47 10 29	112 56 49	222	2.00	.70	.05	.200	200	N	N	N	70
L101	47 10 34	112 56 48	222	3.00	1.00	.07	.200	150	N	N	N	50
L102	47 10 47	112 56 38	222	2.00	1.50	.10	.200	500	N	N	N	70
B124	47 10 58	112 57 59	223	2.00	1.50	15.00	.200	3,000	N	N	N	20
L094	47 10 5	112 57 56	223	1.50	1.00	.07	.200	150	3.0	N	N	70
L095	47 10 1	112 57 56	223	1.00	.20	<.05	.150	100	N	N	N	70
L098	47 10 2	112 57 16	223	2.00	2.00	.20	.300	150	1.0	N	N	100
B880	47 10 3	113 4 31	224	3.00	1.50	.10	.300	300	N	N	N	100
B881	47 10 11	113 4 35	224	5.00	2.00	3.00	.300	5,000	N	N	N	70
B882	47 10 29	113 4 36	224	1.50	2.00	2.00	.100	300	N	N	N	50
B883	47 10 57	113 4 12	224	1.00	.70	.10	.150	100	N	N	N	50
B887	47 10 29	113 7 19	225	5.00	3.00	10.00	.300	700	N	N	N	200
M378	47 10 10	113 11 37	226	3.00	2.00	.50	.300	300	10.0	N	N	150
M379	47 10 44	113 11 51	226	2.00	1.50	1.50	.100	500	N	500	N	150
M382	47 10 55	113 11 4	226	.70	.70	.10	.050	150	N	N	N	20
M413	47 10 25	113 14 26	227	5.00	3.00	.30	.500	300	N	N	N	150
M417	47 10 11	113 17 28	228	3.00	1.50	.10	.200	1,500	N	N	N	50
M362	47 10 7	113 21 45	229	3.00	7.00	15.00	.100	1,000	N	N	N	50
M367	47 10 25	113 21 23	229	1.50	1.00	1.50	.200	700	N	N	N	50
M369	47 10 38	113 21 29	229	1.50	1.00	.10	.300	300	50.0	N	N	300
M360	47 10 42	113 22 37	230	3.00	3.00	3.00	.200	500	N	N	N	150
M361	47 10 11	113 22 13	230	5.00	.70	.10	.300	200	N	N	N	150
M368	47 10 57	113 22 5	230	3.00	1.00	.70	.300	1,500	N	N	N	70
M374	47 10 37	113 23 7	231	3.00	2.00	2.00	.100	300	N	N	N	30
EF0166	47 11 50	112 22 15	232	1.50	1.00	1.00	.300	300	N	N	N	10
R96	47 11 4	112 29 14	233	.20	.50	20.00	.010	100	N	N	N	N
R11	47 11 50	112 31 53	234	10.00	.30	15.00	.007	30	N	N	N	N
R10	47 11 43	112 32 20	235	.10	.70	20.00	.010	20	N	N	N	N
R4	47 11 2	112 32 33	235	3.00	.50	3.00	.030	700	N	N	N	<10
R5	47 11 7	112 32 23	235	2.00	2.00	1.50	.200	1,500	N	N	N	50
R6	47 11 11	112 32 32	235	3.00	1.50	.50	.200	500	N	N	N	15
R7	47 11 16	112 32 14	235	20.00	2.00	3.00	>1.000	2,000	N	N	N	<10
R8	47 11 22	112 32 10	235	5.00	1.50	.15	.300	300	N	N	N	150
R9	47 11 35	112 32 17	235	.20	7.00	10.00	.007	30	N	N	N	N
R14	47 11 54	112 33 32	236	.07	.70	20.00	.010	<10	N	N	N	N
R55	47 11 28	112 33 49	236	5.00	3.00	2.00	.300	1,500	N	N	N	200
R56	47 11 24	112 33 36	236	15.00	3.00	5.00	1.000	2,000	N	N	N	10
R57	47 11 55	112 33 24	236	.15	1.00	20.00	.010	20	N	N	N	N
R93	47 11 25	112 33 54	236	7.00	3.00	.50	.500	700	N	N	N	10

sample	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
L285	1,500	<1.0	N	N	5	30	5	<20	N	N	15	10
L286	>5,000	<1.0	N	N	<5	15	150	N	N	N	15	15
L287	1,000	N	N	N	N	10	150	20	N	N	7	<10
L288	100	N	N	N	<5	20	10	20	N	N	15	15
L289	100	N	N	N	N	<10	<5	<20	N	N	<5	<10
B291	>5,000	<1.0	N	N	10	50	<5	50	N	<10	20	15
B292	200	N	N	N	10	15	<5	30	N	N	10	10
B293	50	N	N	N	N	<10	<5	<20	N	N	<5	N
B104	70	N	N	N	N	10	10	20	N	N	5	N
B105	50	N	N	N	N	20	10	30	N	N	7	<10
L099	500	<1.0	N	N	N	20	<5	N	N	N	5	<10
L100	150	1.0	N	N	10	50	50	30	15	10	20	20
L101	300	<1.0	N	N	15	30	5	50	N	10	15	N
L102	300	<1.0	N	N	7	30	70	30	N	<10	20	20
B124	150	<1.0	N	N	20	50	200	70	5	N	10	10
L094	700	1.0	N	N	10	30	1,500	50	N	<10	20	N
L095	200	1.0	N	N	<5	10	10	50	N	<10	15	N
L098	500	1.0	N	N	10	70	700	70	N	<10	20	10
L080	300	2.0	N	N	15	50	<5	30	N	N	30	10
B881	1,000	2.0	N	N	20	70	<5	50	N	N	30	10
B882	100	<1.0	N	N	<5	15	N	20	N	N	7	<10
B883	300	1.5	N	N	<5	30	<5	20	N	N	10	<10
B887	1,000	2.0	N	N	15	70	N	50	N	N	30	30
M378	1,000	5.0	N	N	10	50	7,000	70	N	N	20	20
M379	1,000	5.0	N	N	5	30	500	N	50	N	10	N
M382	200	1.0	<10	N	N	10	20	N	N	N	7	N
M413	200	3.0	N	N	30	150	15,000	70	N	N	5	10
M417	150	1.0	N	N	7	70	20	N	10	N	50	N
M362	100	1.0	N	N	N	30	10	N	N	N	7	10
M367	700	1.0	N	N	N	30	20	20	N	N	10	N
M369	5,000	1.5	15	N	5	70	15,000	30	70	N	15	N
M360	500	2.0	N	N	15	30	<5	30	N	N	15	N
M361	200	3.0	N	N	15	70	15	30	N	N	30	N
M368	300	1.5	N	N	5	30	20	30	N	N	15	N
M374	>5,000	1.0	N	N	10	10	20	N	N	N	7	N
EF0166	2,000	5.0	N	N	7	70	5	--	<5	N	20	70
R96	<20	N	N	N	N	N	<5	<20	N	N	N	N
R11	N	N	N	N	N	<10	<5	N	N	N	15	N
R10	N	N	N	N	N	N	N	N	N	N	N	N
R4	>5,000	N	N	N	<5	50	30	<20	50	N	10	150
R5	300	1.5	N	N	<5	20	15	20	N	N	15	<10
R6	500	1.5	N	N	7	15	70	<20	N	N	30	10
R7	200	1.5	N	N	50	15	300	<20	N	N	50	N
R8	300	2.0	N	N	7	50	<5	30	N	N	30	<10
R9	N	N	N	N	N	<10	<5	N	N	N	N	N
R14	N	N	N	N	N	N	N	N	N	N	N	N
R55	500	2.0	N	N	7	100	<5	100	N	N	30	20
R56	200	1.5	N	N	50	150	200	<20	N	N	70	10
R57	N	N	N	N	N	N	N	N	N	N	N	N
R93	300	1.0	N	N	20	50	10	30	N	N	50	15

Choteau rock--continued

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
L285	N	<5	N	<100	30	N	15	N	300	N	.04
L286	N	<5	N	N	70	N	<10	N	150	N	.13
L287	N	5	N	150	30	N	15	N	100	N	.08
L288	N	7	N	<100	30	N	20	N	100	N	.04
L289	N	<5	N	300	15	N	15	N	N	N	.08
B291	N	10	N	<150	70	N	30	N	200	N	.06
B292	N	N	N	150	<10	N	20	N	50	N	.02
B293	N	N	N	150	10	N	15	N	20	N	.06
B104	N	N	N	300	15	N	10	N	50	N	N
B105	N	5	N	<100	15	N	10	N	70	N	N
L099	N	5	N	N	30	N	20	N	300	N	.02
L100	N	10	N	N	70	N	20	N	200	N	.06
L101	N	7	N	N	50	N	30	N	200	N	N
L102	N	7	N	N	30	N	20	N	150	N	.06
B124	N	7	N	N	50	N	30	N	300	N	.52
L094	N	7	N	N	70	N	20	N	200	N	.16
L095	N	5	N	N	30	N	15	N	200	N	N
L098	N	10	N	N	70	N	20	N	200	N	.10
B880	N	15	N	N	70	N	20	N	200	N	.02
B881	N	15	N	N	70	N	50	N	150	N	.06
B882	N	<5	N	N	30	N	20	N	70	N	.13
B883	N	<5	N	N	30	N	10	N	150	N	.04
B887	N	10	N	150	70	N	30	N	200	N	.07
M378	N	7	N	N	70	N	50	N	300	N	.34
M379	N	5	N	N	70	N	50	N	300	N	.02
M382	N	<5	N	N	15	N	N	N	100	N	.02
M413	N	30	N	N	100	N	70	N	500	N	.65
M417	N	5	N	N	50	N	10	N	150	N	.04
M362	N	5	N	100	50	N	20	N	70	N	.03
M367	N	7	N	100	50	N	30	N	150	N	N
M369	N	15	N	N	150	N	30	N	200	N	1.40
M360	N	15	N	N	70	N	20	N	100	N	N
M361	N	15	N	N	150	N	30	N	150	N	.02
M368	N	10	N	N	70	N	50	N	300	N	.02
M374	N	5	N	200	70	N	15	N	100	N	.03
EFD166	N	5	N	300	70	N	<10	N	70	--	.02
R96	N	N	N	150	10	N	N	N	N	N	N
R11	N	N	N	100	10	N	N	N	N	N	.02
R10	N	N	N	200	10	N	N	N	N	N	<.02
R4	N	N	N	<1,000	20	N	20	N	50	N	2.00
R5	N	7	N	<100	30	N	30	N	300	N	.14
R6	N	7	N	100	20	N	20	N	300	N	.02
R7	N	50	N	200	500	N	70	N	500	N	.02
R8	N	15	N	N	70	N	30	N	200	N	.06
R9	N	N	N	N	15	N	N	N	N	N	N
R14	N	N	N	200	10	N	N	N	N	N	.02
R55	N	15	N	<100	100	N	50	N	200	N	.04
R56	N	50	N	150	500	N	70	N	100	N	.04
R57	N	N	N	100	10	N	N	N	10	N	.06
R93	N	7	N	N	50	N	20	<200	200	N	<.02

sample	latitude	longitude	MAP_NO.	S-FEX	S-MGZ	S-CAX	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
R114	47 11 30	112 34 44	237	1.50	2.00	7.00	.150	1,000	N	N	N	15
R115	47 11 32	112 34 40	237	1.50	1.50	.07	.200	150	N	N	N	30
R116	47 11 33	112 34 36	237	5.00	1.50	.70	.200	500	N	N	N	30
R117	47 11 34	112 34 34	237	1.50	1.00	.15	.200	300	N	N	N	30
R118	47 11 36	112 34 32	237	5.00	2.00	.50	.500	700	1.0	N	N	70
R119	47 11 37	112 34 29	237	7.00	3.00	2.00	.300	1,000	N	N	N	50
R120	47 11 39	112 34 25	237	15.00	3.00	5.00	1.000	1,500	N	N	N	30
R121	47 11 41	112 34 23	237	10.00	3.00	5.00	1.000	1,500	N	N	N	15
R122	47 11 42	112 34 22	237	15.00	1.00	3.00	1.000	1,500	N	N	N	15
R123	47 11 44	112 34 20	237	7.00	3.00	1.00	.500	500	N	N	N	200
R124	47 11 46	112 34 17	237	5.00	3.00	5.00	.300	1,500	N	N	N	150
R89	47 11 3	112 34 26	237	1.00	2.00	20.00	.070	300	N	N	N	<10
R90	47 11 9	112 34 18	237	1.00	2.00	20.00	.150	500	N	N	N	N
R91	47 11 16	112 34 8	237	1.50	3.00	3.00	.500	150	N	N	N	N
R92	47 11 22	112 34 0	237	5.00	3.00	7.00	.500	5,000	N	N	N	100
4818	47 11 5	112 35 8	238	.30	.20	20.00	.003	300	N	N	N	N
8380	47 11 13	112 36 1	239	.70	1.50	15.00	.050	200	N	N	N	15
8381	47 11 25	112 36 3	239	1.50	2.00	15.00	.070	200	N	N	N	20
8382	47 11 35	112 36 19	239	1.00	3.00	10.00	.070	200	N	N	N	15
8383	47 11 52	112 36 28	239	1.00	3.00	15.00	.070	200	N	N	N	20
8384	47 11 55	112 36 37	239	.30	.70	20.00	.010	300	N	N	N	N
8385	47 11 58	112 36 51	239	1.00	3.00	5.00	.050	300	N	N	N	15
8397	47 11 48	112 36 7	239	2.00	1.50	7.00	.050	700	.5	N	N	15
8398	47 11 56	112 36 6	239	2.00	1.00	.70	.200	150	N	N	N	70
8427	47 11 23	112 36 57	239	.70	2.00	20.00	.050	5,000	N	N	N	N
8428	47 11 17	112 37 15	240	1.00	.70	15.00	.070	500	N	N	N	10
8429	47 11 7	112 37 28	240	.70	1.50	20.00	.050	1,000	N	N	N	N
8430	47 11 2	112 37 31	240	1.50	1.00	3.00	.200	300	N	N	N	30
8481	47 11 23	112 37 24	240	.50	1.00	20.00	.030	500	N	N	N	<10
8482	47 11 19	112 37 37	240	.70	1.50	20.00	.030	200	N	N	N	<10
8483	47 11 19	112 37 56	240	2.00	2.00	15.00	.100	500	N	N	N	20
8484	47 11 20	112 38 6	241	1.50	7.00	20.00	.070	700	N	N	N	15
8485	47 11 27	112 38 10	241	1.50	3.00	10.00	.100	500	N	N	N	30
8486	47 11 32	112 38 13	241	3.00	5.00	10.00	.200	1,500	N	N	N	30
8487	47 11 37	112 38 17	241	7.00	5.00	7.00	.150	3,000	N	N	N	50
8488	47 11 38	112 38 24	241	1.50	5.00	10.00	.150	1,500	N	N	N	20
8489	47 11 46	112 38 22	241	2.00	1.00	.20	.500	150	N	N	N	70
8490	47 11 50	112 38 26	241	7.00	2.00	.70	.300	1,500	N	N	N	70
8491	47 11 55	112 38 16	241	20.00	7.00	7.00	1.000	2,000	N	N	N	<10
8492	47 11 53	112 38 29	241	10.00	2.00	7.00	1.000	1,500	N	N	N	N
L372	47 11 0	112 39 42	242	.15	.70	20.00	.015	50	N	N	N	N
L355	47 11 18	112 40 53	243	.50	.70	15.00	.030	150	N	N	N	N
L356	47 11 11	112 40 55	243	<.05	.30	20.00	.003	70	N	N	N	N
L368	47 11 14	112 40 35	243	<.05	.20	20.00	.003	15	N	N	N	N
L369	47 11 9	112 40 25	243	.30	.50	20.00	.020	150	N	N	N	<10
L370	47 11 2	112 40 10	243	.05	>10.00	20.00	.002	100	N	N	N	<10
B301	47 11 59	112 44 45	244	3.00	3.00	3.00	.200	1,500	1.0	N	N	100
B302	47 11 53	112 44 42	244	.30	.10	<.05	.050	N	N	N	N	10
B303	47 11 44	112 44 43	244	.70	.20	N	.020	<30	N	N	N	15
B304	47 11 31	112 44 40	244	.50	.50	<.05	.070	10	N	N	N	70

Chateau rock--continued

sample	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
R114	300	N	N	N	5	30	20	30	N	N	10	100
R115	200	1.5	N	N	<5	20	15	20	N	N	10	<10
R116	300	1.0	N	N	10	30	30	30	N	N	30	15
R117	700	1.0	N	N	<5	15	10	<20	N	N	15	15
R118	500	2.0	N	N	10	50	50	50	N	N	30	100
R119	1,500	2.0	N	N	20	70	30	150	N	N	50	15
R120	200	<1.0	N	N	50	70	300	N	N	N	70	10
R121	150	<1.0	N	N	30	50	300	N	N	N	50	<10
R122	300	2.0	N	N	20	<10	100	30	N	N	N	10
R123	300	3.0	N	N	10	70	50	50	N	N	30	100
R124	300	2.0	N	N	7	70	70	50	N	N	<5	10
R89	100	N	N	N	N	15	<5	<20	N	N	<5	<10
R90	150	N	N	N	N	15	<5	<20	N	N	N	10
R91	700	1.0	N	N	5	30	10	<20	N	N	10	15
R92	2,000	2.0	N	N	7	70	50	70	N	N	30	30
481B	<20	N	N	N	N	N	N	N	N	N	N	N
B380	50	N	N	N	N	10	N	<20	N	N	<5	N
B381	100	N	N	N	<5	15	<5	<20	N	N	7	10
B382	100	N	N	N	<5	15	<5	<20	N	N	7	10
B383	300	<1.0	N	N	<5	20	<5	30	N	N	10	15
B384	<20	N	N	N	N	<10	N	30	N	N	N	N
B385	150	<1.0	N	N	N	<10	7	20	N	N	5	10
B397	150	<1.0	N	N	10	<10	30	30	7	<10	15	500
B398	300	1.5	N	N	10	30	N	50	N	10	15	N
B427	30	N	N	N	7	N	50	N	N	N	N	150
B428	70	N	N	N	5	10	7	20	N	N	5	10
B429	70	N	N	N	<5	N	<5	30	N	N	N	20
B430	2,000	N	N	N	N	20	<5	20	N	<10	10	<10
B481	30	N	N	N	N	15	<5	20	N	N	<5	<10
B482	20	N	N	N	N	10	<5	<20	N	N	<5	N
B483	150	N	N	N	7	20	10	30	N	N	10	20
B484	200	N	N	N	<5	15	<5	<20	N	N	7	<10
B485	700	N	N	N	20	20	10	30	N	N	10	10
B486	>5,000	<1.0	N	N	7	20	10	30	N	N	15	15
B487	500	<1.0	N	N	10	50	50	50	N	<10	30	10
B488	1,500	N	N	N	5	20	20	30	N	N	5	20
B489	200	<1.0	N	N	5	30	50	50	N	<10	15	30
B490	1,500	<1.0	N	N	10	30	70	30	N	N	30	20
B491	200	N	N	N	70	150	300	N	N	<10	70	<10
B492	300	N	N	N	20	10	200	N	N	<10	15	<10
L372	N	N	N	N	N	N	N	N	N	N	N	N
L355	<20	N	N	N	N	<10	N	<20	N	N	N	N
L356	N	N	N	N	N	N	N	N	N	N	N	N
L368	N	N	N	N	N	N	N	N	N	N	N	N
L369	<20	N	N	N	N	N	N	N	N	N	<5	N
L370	N	N	N	N	N	N	N	<20	N	N	N	N
B301	1,000	1.0	N	N	30	70	1,000	70	N	N	30	50
B302	200	N	N	N	N	<10	<5	N	N	<10	<5	N
B303	150	N	N	N	N	N	N	N	N	N	<5	N
B304	200	N	N	N	N	10	5	N	N	N	N	N

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
R114	N	5	N	<100	30	N	30	N	100	N	.04
R115	N	7	N	N	30	N	15	N	150	N	<.02
R116	N	7	N	N	50	N	20	N	150	N	<.02
R117	N	7	N	N	30	N	15	N	150	N	N
R118	N	5	N	<100	70	N	50	N	300	N	N
R119	N	10	N	N	70	N	700	N	1,000	N	<.02
R120	N	15	N	300	500	N	50	N	150	N	<.02
R121	N	50	N	300	500	N	70	N	150	N	-02
R122	N	30	N	100	50	N	70	<200	500	N	-02
R123	N	30	N	N	100	N	50	N	200	N	N
R124	N	15	N	200	70	N	30	N	150	N	<.02
R89	N	10	N	150	<10	N	15	N	30	N	N
R90	N	<5	N	500	10	N	10	N	50	N	-02
R91	N	<5	N	<100	50	N	15	N	200	N	-02
R92	N	7	N	<100	70	N	30	N	300	N	-02
481B	N	<10	N	500	<10	N	N	N	N	N	-04
B380	N	N	N	100	<10	N	10	N	15	N	<.02
B381	N	N	N	100	10	N	10	N	50	N	-02
B382	N	5	N	<100	<10	N	10	N	50	N	-02
B383	N	<5	N	<100	10	N	15	N	10	N	-02
B384	N	N	N	300	N	N	20	N	30	N	-04
B385	N	<5	N	N	10	N	15	N	100	N	-04
B397	N	<5	N	N	15	N	20	300	200	N	<.02
B398	N	10	N	N	30	N	30	N	50	N	<.02
B427	N	N	N	100	10	N	15	N	100	N	-05
B428	N	<5	N	<100	<10	N	15	N	30	N	-07
B429	N	N	N	150	20	N	10	N	150	N	-02
B430	N	5	N	200	<10	N	10	N	10	N	-04
B481	N	N	N	150	<10	N	<10	N	<10	N	-08
B482	N	N	N	100	10	N	20	N	70	N	-06
B483	N	5	N	100	10	N	20	N	50	N	-02
B484	N	5	N	150	15	N	30	N	70	N	-06
B485	N	7	N	<100	30	N	20	N	150	N	-10
B486	N	<7	N	N	30	N	20	N	100	N	<.02
B487	N	15	N	N	15	N	20	N	200	N	-02
B488	N	7	N	N	30	N	30	N	200	N	-04
B489	N	7	N	N	30	N	20	N	70	N	-02
B490	N	10	N	N	200	N	30	N	100	N	<.02
B491	N	30	N	150	200	N	30	N	N	N	<.02
B492	N	20	N	200	<10	N	N	N	<10	N	<.02
L372	N	N	N	500	N	N	N	N	N	N	-02
L355	N	N	N	300	N	N	N	N	N	N	<.02
L356	N	N	N	300	N	N	N	N	N	N	-06
L368	N	N	N	300	<10	N	N	N	100	N	-04
L369	N	N	N	200	15	N	N	N	70	N	-06
L370	N	N	N	N	70	N	30	N	100	N	-06
B301	N	10	N	N	<10	N	10	N	70	N	-06
B302	N	N	N	N	<10	N	<10	N	300	N	-02
B303	N	N	N	N	10	N	10	N	N	N	-02
B304	N	5	N	N	10	N	N	N	N	N	-02

Choteau rock--continued

sample	latitude	longitude	MAP_NO.	S-FEX	S-MGX	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
B305	47 11 12	112 44 33	244	3.00	1.50	.10	.150	150	N	N	N	70
L279	47 11 52	112 46 20	245	.50	.70	<.05	.050	30	N	N	N	30
L280	47 11 41	112 46 18	245	1.00	.30	<.05	.150	70	N	N	N	70
L281	47 11 22	112 46 22	245	.70	.20	.05	.070	300	N	N	N	50
L282	47 11 12	112 46 24	245	2.00	1.50	2.00	.200	200	N	N	N	100
B285	47 11 55	112 47 57	246	.70	1.00	.05	.150	200	N	N	N	30
B286	47 11 48	112 48 3	247	1.50	1.00	.05	.070	70	N	N	N	50
B287	47 11 41	112 48 6	247	2.00	1.00	.30	.100	200	N	N	N	50
B288	47 11 27	112 48 20	247	3.00	3.00	15.00	.150	3,000	N	N	N	50
B289	47 11 20	112 48 27	247	5.00	2.00	10.00	.200	2,000	N	N	N	50
B290	47 11 13	112 48 43	247	2.00	.70	.30	.300	500	7.0	N	N	300
L218	47 11 57	112 49 1	248	2.00	2.00	3.00	.150	300	N	N	N	100
L219	47 11 57	112 49 9	248	3.00	1.00	1.50	.150	150	N	N	N	30
L220	47 11 55	112 49 18	248	2.00	3.00	3.00	.200	300	N	N	N	30
L221	47 11 53	112 49 30	248	2.00	1.50	5.00	.150	300	N	N	N	20
L222	47 11 51	112 49 42	248	1.50	1.00	1.50	.150	150	N	N	N	30
L223	47 11 33	112 49 55	248	1.50	1.50	15.00	.070	300	N	N	N	20
L224	47 11 35	112 50 6	249	2.00	1.50	20.00	.200	1,000	7.0	N	N	100
L225	47 11 33	112 50 23	249	.70	1.50	20.00	.070	1,000	N	N	N	<10
L226	47 11 23	112 50 51	249	2.00	1.50	.70	.200	2,000	3.0	N	N	100
L208	47 11 54	112 51 45	250	1.50	1.00	.50	.200	700	N	N	N	70
L209	47 11 46	112 51 51	250	3.00	1.50	1.00	.200	1,500	N	N	N	70
L210	47 11 39	112 51 55	250	2.00	.70	1.50	.200	1,500	N	N	N	70
L227	47 11 19	112 51 11	250	2.00	2.00	1.50	.150	300	N	N	N	50
L228	47 11 15	112 51 17	250	.70	1.50	20.00	.020	500	N	N	N	30
L229	47 11 2	112 51 41	250	1.50	2.00	15.00	.070	200	N	N	N	30
L211	47 11 26	112 52 3	251	1.50	3.00	20.00	.150	1,500	N	N	N	70
L103	47 11 48	112 55 21	252	1.50	1.50	15.00	.100	700	N	N	N	70
B127	47 11 23	112 57 25	253	5.00	5.00	3.00	.300	700	N	N	N	70
B128	47 11 31	112 57 23	253	2.00	5.00	7.00	.100	700	N	N	N	50
B129	47 11 37	112 57 22	253	.50	.70	.07	.050	150	N	N	N	30
B130	47 11 53	112 57 13	253	.70	.70	.05	.070	100	N	N	N	30
B121	47 11 7	112 58 29	254	2.00	2.00	3.00	.100	300	N	N	N	30
B123	47 11 3	112 58 20	254	2.00	1.00	15.00	.100	3,000	N	N	N	15
L104	47 11 20	112 58 41	254	.30	.50	.10	.020	300	N	N	N	20
L105	47 11 27	112 58 41	254	.50	.50	.05	.050	100	N	N	N	20
L106	47 11 40	112 58 22	254	.50	1.50	2.00	.050	1,500	N	N	N	20
B875	47 11 27	113 2 54	255	5.00	2.00	.30	.700	500	N	N	N	100
B876	47 11 35	113 2 15	255	5.00	2.00	.50	.700	700	N	N	N	100
B872	47 11 49	113 3 44	256	1.00	.50	<.05	.150	100	N	N	N	70
B873	47 11 42	113 3 23	256	1.50	2.00	.30	.150	300	N	N	N	70
B874	47 11 35	113 3 5	256	.70	1.50	.05	.070	70	N	N	N	50
B870	47 11 56	113 4 32	257	.70	2.00	<.05	.050	30	N	N	N	50
B871	47 11 43	113 4 3	257	2.00	2.00	.20	.150	100	N	N	N	70
B884	47 11 30	113 4 10	257	3.00	3.00	7.00	.200	700	N	N	N	70
B885	47 11 31	113 4 51	257	3.00	2.00	1.00	.200	500	N	N	N	70
B886	47 11 28	113 5 14	258	5.00	2.00	.10	.300	300	N	N	N	70
B949	47 11 55	113 9 10	259	7.00	3.00	3.00	.500	1,000	N	N	N	150
B950	47 11 42	113 9 12	259	1.50	2.00	20.00	.050	700	.7	N	N	<10
B951	47 11 27	113 9 19	259	2.00	3.00	20.00	.150	500	N	N	N	70

sample	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
B305	300	<1.0	N	N	20	50	200	50	15	<10	30	30
L279	200	N	N	N	N	10	<5	20	N	N	7	<10
L280	300	1.0	N	N	<5	15	20	<20	N	<10	15	<10
L281	700	<1.0	N	N	N	10	7	N	N	N	10	N
L282	3,000	<1.0	N	N	<5	50	10	<20	N	<10	15	<10
B285	300	1.0	N	N	<5	30	N	20	N	N	10	N
B286	300	1.0	N	N	5	20	<5	20	N	<10	15	<10
B287	300	1.5	N	N	7	30	<5	30	N	<10	15	<10
B288	500	<1.0	N	N	15	30	100	70	<5	N	15	30
B289	300	<1.0	N	N	10	70	100	30	N	<10	30	1,500
B290	1,000	1.0	N	N	10	70	7,000	30	5	<10	15	15
L218	3,000	<1.0	N	N	<5	30	300	<20	N	<10	15	<10
L219	>5,000	<1.0	N	N	<5	30	15	30	N	<10	7	N
L220	1,500	N	N	N	5	50	20	20	N	<10	15	N
L221	>5,000	<1.0	N	N	7	20	30	30	N	<10	15	N
L222	1,500	<1.0	N	N	N	30	100	30	N	<10	15	<10
L223	150	N	N	N	N	20	15	30	N	N	10	15
L224	1,500	N	N	N	15	50	5,000	30	N	N	20	30
L225	30	N	N	N	N	<10	10	<20	N	N	<5	<10
L226	700	<1.0	N	N	10	50	1,500	50	N	<10	20	15
L208	2,000	<1.0	N	N	7	50	50	30	N	<10	15	N
L209	200	<1.0	N	N	10	50	100	50	N	10	20	N
L210	300	<1.0	N	N	5	20	15	30	N	<10	15	N
L227	300	<1.0	N	N	10	30	20	30	N	10	15	15
L228	30	N	N	N	N	<10	7	30	N	N	<5	70
L229	150	N	N	N	<5	30	7	20	N	N	15	N
L211	1,500	<1.0	N	N	10	20	10	20	N	N	15	50
L103	>5,000	N	N	N	7	30	1,000	50	N	N	15	30
B127	2,000	<1.0	N	N	10	30	300	50	5	<15	20	<10
B128	700	1.0	N	N	10	30	5	30	N	<10	15	<10
B129	1,500	<1.0	N	N	<5	10	7	30	N	N	7	<10
B130	1,500	<1.0	N	N	5	10	7	N	N	N	7	<10
B121	500	<1.0	N	N	5	15	50	<20	5	N	15	<10
B123	100	N	N	N	15	30	70	70	5	N	10	30
L104	1,500	1.0	N	N	N	10	50	<20	N	N	<5	<10
L105	700	<1.0	N	N	N	15	20	20	N	N	5	N
L106	1,500	<1.0	N	N	N	10	30	<20	N	N	5	N
B875	700	<1.0	N	N	7	100	30	<20	N	N	20	10
B876	300	2.0	N	N	20	100	7	70	N	<20	20	<10
B872	5,000	1.0	N	N	N	20	N	20	N	N	7	<10
B873	500	1.5	N	N	<5	50	N	<20	N	N	15	N
B874	50	<1.0	N	N	<5	15	N	<20	N	N	10	<10
B870	200	<1.0	N	N	<5	10	N	<20	N	N	5	<10
B871	700	1.0	N	N	5	30	<5	20	N	N	15	N
B884	300	1.5	N	N	7	50	20	30	N	N	20	10
B885	500	2.0	N	N	10	50	N	20	N	N	30	10
B886	500	2.0	N	N	15	50	N	30	N	N	30	<10
B949	300	2.0	N	N	20	100	N	70	N	N	30	10
B950	150	N	N	N	N	30	1,000	50	N	N	N	20
B951	200	<1.0	N	N	N	70	15	30	N	N	15	20

Choteau rock--continued

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
B305	N	10	N	N	50	N	15	N	150	N	-0.20
L279	N	<5	N	N	10	N	15	N	70	N	<.02
L280	N	<5	N	N	20	N	<10	N	200	N	-0.06
L281	N	N	N	N	15	N	<10	N	70	N	-0.06
L282	N	<5	N	N	30	N	15	N	200	N	-0.14
B285	N	<5	N	N	20	N	10	N	150	N	-0.02
B286	N	<5	N	N	15	N	10	N	100	N	-0.04
B287	N	<5	N	N	30	N	20	N	150	N	<.02
B288	N	<10	N	N	50	N	30	N	150	N	-0.26
B289	N	10	N	N	50	N	30	N	200	N	-0.18
B290	N	15	N	N	70	N	30	N	200	N	-0.30
L218	N	<5	N	N	70	N	20	N	150	N	-0.04
L219	N	<5	N	N	30	N	15	N	70	N	-0.06
L220	N	5	N	N	30	N	20	N	150	N	-0.02
L221	N	<5	N	N	50	N	30	N	200	N	<.02
L222	N	5	N	N	30	N	20	N	150	N	-0.08
L223	N	<5	N	N	10	N	15	N	70	N	-0.02
L224	N	N	N	N	70	N	30	N	150	N	-0.48
L225	N	10	N	N	10	N	10	N	30	N	-0.02
L226	N	10	N	N	50	N	30	N	150	N	-0.16
L208	N	5	N	N	30	N	20	N	500	N	-0.08
L209	N	10	N	N	50	N	30	N	300	N	-0.08
L210	N	5	N	N	30	N	20	N	300	N	-0.06
L227	N	10	N	N	30	N	20	N	150	N	-0.02
L228	N	N	N	N	15	N	20	N	15	N	<.02
L229	N	7	N	N	30	N	15	N	70	N	-0.06
L211	N	N	N	N	100	N	20	N	150	N	-0.04
L103	N	<7	N	N	30	N	30	N	100	N	-0.09
B127	N	7	N	N	70	N	30	N	300	N	-0.16
B128	N	7	N	N	50	N	15	N	70	N	-0.02
B129	N	N	N	N	20	N	10	N	100	N	N
B130	N	N	N	N	15	N	N	N	70	N	N
B121	N	5	N	N	50	N	30	N	150	N	-0.02
B123	N	5	N	N	30	N	30	N	100	N	-0.06
L104	N	N	N	N	10	N	N	N	50	N	N
L105	N	N	N	N	15	N	N	N	100	N	N
L106	N	N	N	N	20	N	15	N	100	N	N
B875	N	15	N	N	70	N	50	N	>1,000	N	-0.06
B876	N	<15	N	N	70	N	50	N	>1,000	N	-0.04
B872	N	<5	N	N	70	N	10	N	300	N	<.02
B873	N	<5	N	N	20	N	10	N	200	N	<.02
B874	N	N	N	N	20	N	10	N	100	N	-0.06
B870	N	<5	N	N	20	N	200	N	100	N	-0.04
B871	N	<5	N	N	30	N	15	N	150	N	-0.02
B884	N	7	N	N	50	N	20	N	200	N	-0.18
B885	N	10	N	N	50	N	20	N	150	N	-0.02
B886	N	10	N	N	70	N	20	N	150	N	-0.06
B949	N	15	N	N	100	N	50	N	200	N	<.02
B950	N	N	N	N	20	N	30	N	20	N	-0.06
B951	N	10	N	N	50	N	30	N	150	N	-0.04

sample	latitude	longitude	MAP_NO.	S-FEX	S-MGX	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
M383	47 11 36	113 10 54	260	1.50	2.00	.15	.200	50	N	N	N	100
M380	47 11 43	113 12 29	261	1.00	1.50	.15	.070	150	N	N	N	50
B932	47 11 32	113 15 13	262	1.50	1.00	.30	.150	200	N	N	N	50
B939	47 11 47	113 16 56	263	.50	.15	<.05	.030	30	N	N	N	10
B940	47 11 28	113 16 40	263	1.50	1.50	<.05	.070	30	N	N	N	70
B941	47 11 2	113 16 30	263	1.50	2.00	<.05	.100	30	N	N	N	70
B972	47 11 54	113 18 38	264	2.00	1.00	.50	.150	300	N	N	N	20
B963	47 11 52	113 21 21	265	2.00	.70	.05	.100	70	N	N	N	20
M372	47 11 12	113 21 12	265	2.00	2.00	.70	.200	150	N	N	N	100
M373	47 11 17	113 21 28	265	15.00	1.00	.05	.070	50	N	N	N	20
ADA958	47 11 24	113 47 6	266	10.00	.50	1.50	--	700	N	N	--	--
JAF740	47 12 35	112 12 30	267	3.00	1.50	1.50	.700	700	N	N	N	N
EF0167	47 12 8	112 22 31	268	1.50	.70	1.00	.200	300	<.5	N	N	<10
R65	47 12 47	112 26 46	269	3.00	1.50	.10	.150	200	N	N	N	100
R66	47 12 30	112 26 42	269	2.00	.70	15.00	.150	2,000	N	N	N	30
R67	47 12 33	112 27 1	270	7.00	1.50	.15	.150	100	N	N	N	70
R78	47 12 39	112 29 51	271	.15	.20	20.00	.010	70	N	N	N	N
R77	47 12 8	112 31 20	272	7.00	.70	20.00	.070	150	N	N	N	10
R27	47 12 34	112 32 55	273	.70	.70	20.00	.015	700	N	N	N	N
R28	47 12 25	112 32 47	273	.05	10.00	7.00	.003	20	N	N	N	N
R29	47 12 23	112 32 42	273	.20	5.00	20.00	.015	30	N	N	N	N
R30	47 12 18	112 32 31	273	--	10.00	10.00	.007	100	N	N	N	N
R31	47 12 17	112 32 24	273	1.00	10.00	15.00	.015	100	N	N	N	N
R47	47 12 59	112 32 36	273	.30	1.00	20.00	.020	100	N	N	N	N
R48	47 12 54	112 32 16	273	.30	10.00	10.00	.010	10	N	N	N	10
R25	47 12 53	112 33 3	274	.15	5.00	20.00	.007	N	N	N	N	N
R26	47 12 48	112 33 2	274	.07	2.00	20.00	.015	20	N	N	N	N
R71	47 12 15	112 33 48	274	<.05	1.00	20.00	.007	10	N	N	N	N
R72	47 12 13	112 33 37	274	.50	.70	20.00	.015	300	N	N	N	N
R73	47 12 11	112 33 30	274	.07	5.00	20.00	.015	50	N	N	N	N
R74	47 12 7	112 33 18	274	.07	7.00	10.00	.003	20	N	N	N	N
R75	47 12 9	112 33 0	274	1.00	3.00	20.00	.100	100	N	N	N	N
R76	47 12 1	112 33 18	274	1.00	5.00	10.00	.030	200	N	N	N	N
R13	47 12 1	112 34 54	275	.15	10.00	15.00	.010	30	N	N	N	<10
R19	47 12 50	112 34 51	275	.30	.70	2.00	.010	<10	N	N	N	70
R20	47 12 38	112 34 31	275	<.05	10.00	10.00	.002	50	N	N	N	N
R68	47 12 35	112 34 26	275	.10	3.00	7.00	.010	70	N	N	N	30
R69	47 12 31	112 34 13	275	.05	5.00	10.00	.002	<10	N	N	N	N
R70	47 12 21	112 34 0	275	<.05	2.00	20.00	.005	15	N	N	N	N
R16	47 12 37	112 35 44	276	<.05	1.00	20.00	.007	N	N	N	N	N
R17	47 12 37	112 35 12	276	<.05	7.00	7.00	.002	N	N	N	N	N
R18	47 12 41	112 35 3	276	.15	7.00	7.00	.002	N	N	N	N	N
B399	47 12 11	112 36 17	277	1.50	.70	.20	.150	50	N	N	N	70
B400	47 12 29	112 36 25	277	1.50	7.00	10.00	.015	1,000	N	N	N	15
B401	47 12 41	112 36 37	277	1.50	5.00	7.00	.070	500	N	N	N	20
B402	47 12 51	112 36 40	277	<.05	.30	20.00	.003	70	N	N	N	N
R12	47 12 29	112 36 19	277	.30	.70	20.00	.007	150	N	N	N	N
B386	47 12 12	112 37 2	278	3.00	3.00	2.00	.200	300	N	N	N	70
B387	47 12 18	112 37 6	278	3.00	3.00	2.00	.200	300	N	N	N	70
B388	47 12 25	112 37 12	278	3.00	2.00	.20	.200	500	N	N	N	70

Choteau rock--continued

sample	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
M383	150	1.0	N	N	<5	30	20	20	N	N	10	N
M380	500	2.0	N	N	5	10	30	50	N	N	10	N
B932	300	1.5	N	N	5	15	N	<20	N	N	15	<10
B939	300	<1.0	N	N	N	10	10	N	N	N	<5	<10
B940	300	1.0	N	N	N	15	N	<20	N	N	5	<10
B941	70	1.0	N	N	<5	15	N	<20	N	N	10	<10
B972	300	<1.0	N	N	5	15	N	N	N	N	15	N
B963	300	N	N	N	10	20	N	N	N	N	15	<10
M372	100	2.0	N	N	10	30	5	30	N	N	15	N
M373	100	1.0	N	N	N	15	5	N	N	N	15	N
ADA958	70	--	--	--	N	<10	30	--	10	--	5	N
JAF740	1,000	<1.0	N	N	15	150	5	70	5	N	<5	<10
EFD167	5,000	5.0	N	N	7	50	<5	--	N	N	70	15
R65	500	1.0	N	N	10	20	70	20	N	N	20	70
R66	700	N	N	N	5	30	10	20	N	N	20	30
R67	500	1.0	N	N	20	30	5	<20	N	N	10	150
R78	N	N	N	N	N	N	N	N	N	N	30	10
R77	<20	N	N	N	5	30	7	N	N	N	N	N
R27	<20	N	N	N	N	10	5	<20	N	N	70	N
R28	N	N	N	N	N	<10	N	<20	N	N	15	<10
R29	N	N	N	N	N	<10	N	<20	N	N	N	N
R30	N	N	N	N	N	<10	N	<20	N	N	N	N
R31	N	N	N	N	N	15	15	<20	N	N	15	<10
R47	20	N	N	N	N	10	N	N	N	N	N	N
R48	<20	N	N	N	N	15	N	N	N	N	N	N
R25	N	N	N	N	N	30	N	<20	N	N	<5	<10
R26	<20	N	N	N	N	50	7	20	N	N	<5	N
R71	N	N	N	N	N	10	N	N	N	N	N	N
R72	N	N	N	N	N	N	N	N	N	N	N	N
R73	N	N	N	N	N	N	N	N	N	N	N	N
R74	N	N	N	N	N	<10	N	N	N	N	N	N
R75	30	N	N	N	N	50	5	N	N	N	N	N
R76	20	N	N	N	<5	15	100	N	N	N	7	N
R13	N	N	N	N	N	<10	N	N	N	N	7	N
R19	30	N	N	N	N	N	N	N	N	N	<5	N
R20	<20	N	N	N	N	10	<5	<20	N	N	<5	N
R68	N	N	N	N	N	<10	N	N	N	N	N	N
R69	N	N	N	N	N	15	N	N	N	N	N	N
R70	N	N	N	N	N	N	N	N	N	N	N	N
R16	N	N	N	N	N	N	N	N	N	N	N	N
R17	N	N	N	N	N	15	<5	N	N	N	N	N
R18	N	N	N	N	N	20	<5	N	N	N	N	N
B399	150	1.5	N	N	N	20	<5	N	N	N	7	N
B400	150	<1.0	N	N	7	20	10	50	N	<10	15	<10
B401	200	<1.0	N	N	N	N	10	50	N	N	<5	50
B402	20	N	N	N	N	10	7	20	N	N	7	N
R12	N	N	N	N	N	N	N	N	N	N	N	15
B386	500	1.5	N	N	10	50	7	30	N	N	<5	N
B387	500	1.5	N	N	10	50	<5	70	N	<10	20	10
B388	300	1.5	N	N	15	50	70	70	N	<10	20	<10

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-U	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
M383	N	5	N	N	50	N	10	N	300	N	.05
M380	N	<5	N	N	50	N	30	N	200	N	N
B932	N	5	N	N	30	N	10	N	70	N	N
B939	N	N	N	N	20	N	<10	N	100	N	<.02
B940	N	N	N	N	30	N	<10	N	150	N	<.02
B941	N	<5	N	N	30	N	10	N	200	N	.02
B972	N	5	N	N	30	N	10	N	70	N	N
B963	N	<5	N	N	15	N	<10	N	100	N	.02
M372	N	10	N	N	70	N	30	N	150	N	.07
M373	N	<5	N	N	200	N	10	N	70	N	.33
ADA958	--	--	N	--	150	N	15	N	--	--	--
JAF740	N	7	N	1,000	70	N	10	N	150	.10	<.02
EFD167	N	5	N	500	30	N	<10	N	70	--	<.02
R65	N	5	N	N	30	N	10	N	200	N	.04
R66	N	5	N	150	20	N	20	N	150	N	.04
R67	N	7	N	N	50	N	15	N	70	N	.14
R78	N	N	N	100	<10	N	N	N	10	N	.04
R77	N	<5	N	300	15	N	N	N	20	N	.08
R27	N	N	N	200	<10	N	<10	N	N	N	.06
R28	N	N	N	N	10	N	N	N	N	N	.04
R29	N	N	N	200	10	N	N	N	N	N	.02
R30	N	N	N	N	10	N	N	N	N	N	.02
R31	N	N	N	N	10	N	N	N	N	N	.02
R47	N	N	N	N	10	N	10	N	15	N	<.02
R48	N	N	N	<100	15	N	N	N	10	N	.08
R25	N	N	N	<100	10	N	N	N	N	N	.08
R26	N	N	N	150	10	N	10	N	N	N	.10
R21	N	N	N	1,000	15	N	<10	N	N	N	.04
R71	N	N	N	200	<10	N	<10	N	N	N	<.02
R72	N	N	N	200	<10	N	N	N	N	N	.04
R73	N	N	N	100	10	N	N	N	<10	N	.06
R74	N	N	N	N	10	N	N	N	<10	N	.04
R75	N	<5	N	200	15	N	10	N	20	N	.04
R76	N	N	N	N	10	N	<10	N	15	N	.06
R13	N	N	N	100	10	N	N	N	N	N	.04
R19	N	N	N	100	10	N	N	N	N	N	<.02
R20	N	N	N	N	10	N	N	N	N	N	.02
R68	N	N	N	<100	10	N	N	N	<10	N	.04
R69	N	N	N	N	15	N	N	N	N	N	.04
R70	N	N	N	100	<10	N	N	N	N	N	N
R16	N	N	N	200	10	N	N	N	N	N	.02
R17	N	N	N	N	15	N	N	N	N	N	.02
R18	N	N	N	N	15	N	N	N	N	N	.02
B399	N	7	N	N	30	N	20	N	100	N	.02
B400	N	N	N	N	<10	N	30	<200	10	N	.04
B401	N	5	N	N	10	N	15	N	30	N	.06
B402	N	N	N	300	10	N	N	N	N	N	.06
R12	N	N	N	200	10	N	N	N	N	N	N
B386	N	10	N	N	50	N	N	N	150	N	.04
B387	N	15	N	N	50	N	30	N	150	N	.04
B388	N	15	N	N	50	N	30	N	200	N	.04

Choteau rock--continued

sample	Latitude	Longitude	MAP_NO.	S-FEX	S-MGX	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
B389	47 12 38	112 37 18	278	10.00	2.00	3.00	>1.0000	1,000	N	N	N	<10
B390	47 12 42	112 37 21	278	7.00	2.00	3.00	1.0000	700	N	N	N	<10
B391	47 12 47	112 37 22	278	7.00	2.00	3.00	.700	700	N	N	N	20
B392	47 12 52	112 37 19	278	.30	.10	<.05	.020	15	N	N	N	15
B393	47 12 56	112 37 23	278	.50	7.00	15.00	.030	150	N	N	N	30
B394	47 12 56	112 37 29	278	1.50	5.00	20.00	.070	700	N	N	N	15
L339	47 12 56	112 38 10	279	.30	.70	15.00	.050	300	N	N	N	<10
L340	47 12 48	112 38 30	279	1.50	5.00	7.00	.100	500	N	N	N	50
L341	47 12 44	112 38 40	279	2.00	1.50	2.00	.100	200	N	N	N	100
L342	47 12 45	112 38 46	279	2.00	2.00	3.00	.150	200	N	N	N	30
L343	47 12 57	112 38 58	279	1.50	.70	1.50	.100	300	N	N	N	20
L345	47 12 59	112 39 12	280	1.50	.50	1.00	.200	2,000	N	N	N	50
L346	47 12 49	112 39 18	280	3.00	.70	.07	.200	300	N	N	N	100
L347	47 12 33	112 39 30	280	.70	.50	1.00	.200	1,000	N	N	N	70
L348	47 12 25	112 39 37	280	.30	.20	.07	.050	300	N	N	N	15
L349	47 12 16	112 39 42	280	1.00	1.50	2.00	.150	1,000	N	N	N	50
L350	47 12 9	112 39 45	280	.30	.10	<.05	.020	50	N	N	N	15
L351	47 12 12	112 39 55	280	.50	.50	.15	.050	150	N	N	N	30
L352	47 12 16	112 40 10	281	.70	.70	.20	.070	200	N	N	N	30
L353	47 12 25	112 40 18	281	1.50	1.50	2.00	.150	300	N	N	N	30
L354	47 12 30	112 40 21	281	1.00	.70	7.00	.150	300	N	N	N	70
B376	47 12 55	112 42 9	282	.30	1.00	20.00	.030	300	N	N	N	N
B377	47 12 49	112 42 10	282	.30	.30	1.50	.070	2,000	N	N	N	20
B378	47 12 42	112 42 12	282	3.00	1.50	<.05	.200	200	N	N	N	100
B379	47 12 36	112 42 13	282	.70	.70	7.00	.200	2,000	N	N	N	100
B581	47 12 7	112 42 52	282	2.00	1.00	1.00	.300	700	N	N	N	70
B582	47 12 8	112 42 44	282	2.00	1.00	1.00	.300	700	N	N	N	70
B575	47 12 36	112 43 47	283	2.00	2.00	3.00	.200	500	N	N	N	50
B576	47 12 30	112 43 31	283	3.00	5.00	5.00	.150	500	N	N	N	50
B577	47 12 26	112 43 22	283	.20	.10	.20	.030	200	N	N	N	<10
B578	47 12 19	112 43 14	283	3.00	1.50	10.00	.150	5,000	N	N	N	20
B579	47 12 13	112 43 9	283	2.00	1.00	2.00	.200	700	N	N	N	50
B580	47 12 8	112 43 2	283	1.50	.70	3.00	.300	2,000	N	N	N	100
B298	47 12 42	112 44 56	284	1.50	3.00	5.00	.150	1,500	N	N	N	50
B299	47 12 30	112 44 49	284	1.50	1.00	.30	.300	300	N	N	N	70
B300	47 12 17	112 44 45	284	1.50	1.00	.20	.200	150	N	N	N	100
B574	47 12 33	112 44 14	284	.30	.20	.07	.030	100	N	N	N	20
L275	47 12 37	112 46 23	285	1.50	1.50	.70	.100	300	N	N	N	70
L276	47 12 26	112 46 11	285	1.50	2.00	.07	.150	700	N	N	N	100
L277	47 12 16	112 46 23	285	.70	1.00	<.05	.030	100	N	N	N	30
L278	47 12 5	112 46 21	285	1.50	1.00	.30	.150	200	N	N	N	70
L319	47 12 55	112 46 5	285	3.00	5.00	10.00	.150	1,500	N	N	N	100
L212	47 12 29	112 47 38	286	1.00	.70	.70	.070	300	N	N	N	70
L213	47 12 21	112 47 43	286	.70	.50	N	.070	50	N	N	N	30
L214	47 12 13	112 47 46	286	1.00	.70	.07	.150	500	N	N	N	70
L215	47 12 8	112 48 14	287	.70	3.00	.05	.070	50	N	N	N	50
L216	47 12 5	112 48 42	287	1.00	1.50	1.50	.100	300	N	N	N	70
L217	47 12 0	112 48 51	287	2.00	3.00	1.50	.150	300	N	N	N	30
L200	47 12 52	112 49 46	288	1.50	1.50	.30	.300	700	N	N	N	100
L201	47 12 43	112 49 58	288	.70	.50	1.50	.300	1,500	N	N	N	70

sample	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
B389	200	N	N	N	70	<10	300	<20	N	<10	30	10
B390	150	N	N	N	50	100	150	N	N	<10	50	10
B391	300	<1.0	N	N	50	70	200	N	N	<10	50	15
B392	300	N	N	N	N	N	5	<20	N	N	5	<10
B393	<20	N	N	N	N	<10	<5	N	N	N	5	<10
B394	50	N	N	N	N	10	N	20	N	N	7	N
L339	150	N	N	N	N	<10	N	30	N	N	<5	N
L340	200	1.0	N	N	7	20	<5	30	N	N	15	10
L341	2,000	2.0	N	N	5	20	7	30	N	<10	15	<10
L342	2,000	<1.0	N	N	<5	20	150	20	N	<10	15	N
L343	700	<1.0	N	N	10	30	30	20	N	<10	15	<10
L345	300	1.0	N	N	10	30	300	50	N	N	15	150
L346	500	1.0	N	N	10	30	7	50	N	<10	20	<10
L347	500	1.0	N	N	7	30	5	50	N	<10	15	N
L348	300	<1.0	N	N	N	N	5	<20	N	N	7	<10
L349	200	1.0	N	N	10	20	5	20	N	<10	20	<10
L350	200	N	N	N	N	15	<5	<20	N	N	<5	<10
L351	300	<1.0	N	N	<5	20	<5	<20	N	N	5	<10
L352	700	<1.0	N	N	<5	20	7	<20	N	<10	10	<10
L353	>5,000	<1.0	N	N	7	30	5	30	N	<10	15	20
L354	1,500	<1.0	N	N	5	30	50	30	30	<10	10	150
B376	70	N	N	N	N	N	N	N	N	N	N	N
B377	500	N	N	N	N	<10	<5	20	N	N	7	N
B378	300	1.0	N	N	10	20	7	50	N	<10	15	<10
B379	1,500	<1.0	N	N	5	20	7,000	30	N	<10	10	<10
B581	300	N	N	N	10	30	10	50	N	<10	20	15
B582	500	<1.0	N	N	7	30	5	50	N	N	15	15
B575	500	N	N	N	<5	50	<5	20	N	<10	15	<10
B576	200	N	N	N	7	20	<5	30	N	N	15	10
B577	700	N	N	N	N	<10	10	<20	N	N	7	<10
B578	700	N	N	N	10	30	10	50	N	N	15	20
B579	200	N	N	N	7	30	<5	30	N	N	15	<10
B580	200	N	N	N	5	30	20	50	N	N	10	N
B298	300	<1.0	N	N	7	30	50	30	N	<10	15	10
B299	300	1.0	N	N	7	50	N	50	N	<10	15	N
B300	300	<1.0	N	N	7	50	N	30	N	<10	15	N
B574	1,500	N	N	N	N	10	<5	N	N	N	5	N
L275	700	<1.0	N	N	7	30	10	<20	N	N	15	<10
L276	300	5.0	N	N	10	70	>20,000	50	N	<10	30	<10
L277	200	<1.0	N	N	<5	10	N	N	N	N	7	10
L278	300	1.0	N	N	<5	20	<5	30	N	<10	15	10
L319	>5,000	1.5	N	N	10	70	700	50	20	<10	20	<10
L212	300	1.0	N	N	5	<10	15	<20	N	N	10	<10
L213	200	<1.0	N	N	N	10	15	<20	N	N	10	<10
L214	700	<1.0	N	N	N	30	30	30	N	N	15	N
L215	150	<1.0	N	N	<5	30	15	<20	N	<10	10	N
L216	500	<1.0	N	N	<5	50	15	<20	N	N	15	N
L217	300	<1.0	N	N	7	30	15	20	N	<10	20	N
L200	1,000	1.0	N	N	15	30	15	30	N	<10	15	<10
L201	300	1.0	N	N	<5	50	30	30	N	10	5	<10

Chateau rock--continued

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
B389	N	30	N	150	200	N	50	N	100	N	<.02
B390	N	30	N	100	150	N	30	N	70	N	.06
B391	N	30	N	N	150	N	50	N	150	N	.04
B392	N	N	N	<100	<10	N	<10	N	50	N	.04
B393	N	N	N	N	10	N	N	N	N	N	.02
B394	N	N	N	500	10	N	10	N	20	N	.02
L339	N	<5	N	150	<10	N	15	N	50	N	.02
L340	N	5	N	N	30	N	15	N	70	N	.04
L341	N	5	N	<100	70	N	15	N	200	N	.06
L342	N	5	N	<100	50	N	15	N	150	N	.04
L343	N	5	N	N	50	N	15	N	150	N	.02
L345	N	7	N	<100	30	N	30	N	100	N	.04
L346	N	10	N	N	70	N	30	N	200	N	.02
L347	N	7	N	N	30	N	30	N	300	N	<.02
L348	N	N	N	N	<10	N	N	N	70	N	.04
L349	N	7	N	N	30	N	20	N	300	N	<.02
L350	N	N	N	N	<10	N	15	N	50	N	.02
L351	N	<5	N	N	15	N	15	N	70	N	.04
L352	N	<5	N	N	15	N	10	N	100	N	.04
L353	N	N	N	N	30	N	15	N	150	N	<.02
L354	N	5	N	N	30	N	20	N	<10	N	.06
B376	N	N	N	150	N	N	N	N	150	N	<.02
B377	N	N	N	N	20	N	20	N	300	N	.26
B378	N	7	N	N	30	N	30	N	150	N	<.02
B379	N	7	N	N	50	N	30	N	150	N	.02
B581	N	10	N	N	30	N	30	N	500	.08	<.02
B582	N	7	N	N	30	N	30	N	200	.08	<.02
B575	N	<7	N	N	20	N	20	N	100	.08	<.02
B576	N	7	N	N	30	N	15	N	30	.06	<.02
B577	N	N	N	N	<10	N	<10	N	100	.06	.02
B578	N	5	N	100	50	N	30	N	150	.08	.04
B579	N	5	N	N	20	N	20	N	300	.06	<.02
B580	N	7	N	N	30	N	30	N	200	N	.02
B298	N	5	N	N	20	N	30	N	500	N	.04
B299	N	10	N	N	50	N	30	N	200	N	.06
B300	N	7	N	N	<10	N	30	N	30	.08	.02
B574	N	N	N	N	30	N	15	N	100	N	.06
L275	N	7	N	N	50	N	100	N	300	N	.06
L276	N	<10	N	N	15	N	<10	N	70	N	.08
L277	N	<5	N	N	30	N	15	N	200	N	<.02
L278	N	5	N	N	50	N	30	N	<300	N	.08
L319	N	<10	N	N	30	N	15	N	150	N	.02
L212	N	<5	N	N	15	N	10	N	100	N	.02
L213	N	N	N	N	30	N	15	N	150	N	.02
L214	N	5	N	N	15	N	10	N	100	N	<.02
L215	N	<5	N	N	20	N	10	N	150	N	<.02
L216	N	5	N	N	20	N	15	N	150	N	<.02
L217	N	5	N	N	30	N	20	N	500	N	.06
L200	N	7	N	N	30	N	20	N	700	N	.02
L201	N	10	N	N	30	N	20	N		N	

sample	Latitude	Longitude	MAP_NO.	S-FEX	S-MGX	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
L202	47 12 36	112 50 13	289	1.50	1.00	.15	.200	700	N	N	N	50
L203	47 12 30	112 50 29	289	1.00	.50	.20	.200	1,000	N	N	N	50
L204	47 12 29	112 50 39	289	1.50	.70	.50	.200	1,000	N	N	N	100
L205	47 12 14	112 51 19	290	2.00	1.00	3.00	.200	2,000	N	N	N	50
L206	47 12 8	112 51 27	290	3.00	1.50	15.00	.150	5,000	.7	N	N	50
L207	47 12 0	112 51 35	290	3.00	1.50	10.00	.100	3,000	N	N	N	50
B237	47 12 55	112 54 55	291	1.00	.30	.10	.070	100	N	N	N	30
B238	47 12 45	112 54 54	291	.20	.20	.05	.030	30	N	N	N	15
B239	47 12 34	112 54 39	291	3.00	3.00	2.00	.200	700	N	N	N	100
B240	47 12 30	112 54 37	291	3.00	5.00	5.00	.150	700	N	N	N	100
B241	47 12 27	112 54 38	291	3.00	5.00	10.00	.200	1,500	N	N	N	50
B242	47 12 22	112 54 38	291	2.00	1.50	15.00	.150	5,000	N	N	N	30
B243	47 12 18	112 54 38	291	1.00	.30	2.00	.100	500	N	N	N	20
B244	47 12 11	112 54 39	291	3.00	1.00	3.00	.150	3,000	N	N	N	70
L153	47 12 16	112 55 12	292	10.00	3.00	5.00	.150	500	N	N	N	70
L158	47 12 10	112 56 23	293	3.00	5.00	5.00	.150	700	N	N	N	100
L152	47 12 42	112 56 18	293	3.00	3.00	.30	.200	300	N	N	N	100
B131	47 12 6	112 57 2	294	.50	1.00	<.05	.070	20	N	N	N	30
L108	47 12 31	112 57 53	294.	3.00	2.00	.50	.200	500	N	N	N	70
L109	47 12 34	112 57 53	294	1.50	1.00	.05	.070	100	N	N	N	30
L110	47 12 41	112 57 40	294	1.00	.70	.05	.100	50	N	N	N	50
L107	47 12 16	112 58 2	295	1.50	.20	.150	.150	100	N	N	N	20
B140	47 12 54	112 59 36	296	.50	.20	<.05	.070	15	N	N	N	20
B141	47 12 51	112 59 26	296	1.50	1.00	.05	.020	100	N	N	N	20
B954	47 12 51	113 1 41	297	.20	.20	N	.020	50	N	N	N	N
B955	47 12 35	113 1 38	297	1.00	.70	<.05	.070	70	N	N	N	15
B952	47 12 1	113 2 18	298	.30	.15	.05	.020	20	N	N	N	N
B864	47 12 53	113 5 57	299	.50	.50	N	.050	30	N	N	N	30
B865	47 12 41	113 5 45	299	1.50	3.00	5.00	.070	2,000	N	N	N	70
B866	47 12 33	113 5 32	299	5.00	3.00	.20	.300	500	N	N	N	100
B867	47 12 24	113 5 27	299	3.00	1.50	2.00	.300	700	N	N	N	70
B868	47 12 12	113 5 18	299	1.50	1.00	.15	.200	500	N	N	N	50
B935	47 12 36	113 9 4	300	5.00	2.00	.15	.300	500	N	N	N	150
B948	47 12 9	113 9 12	300	5.00	1.50	.50	.500	700	N	N	N	150
M384	47 12 18	113 11 52	301	.50	.30	.07	.030	50	7.0	N	N	100
M381	47 12 22	113 12 17	302	2.00	1.50	.70	.300	300	N	N	N	N
B958	47 12 58	113 16 39	303	1.50	3.00	5.00	.070	500	N	N	N	10
B961	47 12 50	113 16 13	303	.70	.70	.07	.070	100	N	N	N	100
B936	47 12 51	113 17 35	304	3.00	5.00	5.00	.200	700	N	N	N	30
B937	47 12 27	113 17 32	304	.70	.20	.05	.070	200	1.0	N	N	100
B938	47 12 6	113 17 6	304	3.00	2.00	.07	.300	200	N	N	N	50
B970	47 12 1	113 19 28	305	3.00	3.00	.10	.300	70	N	N	N	100
B971	47 12 0	113 19 13	305	.70	1.00	.07	.070	50	N	N	N	15
B957	47 12 42	113 20 31	306	1.00	1.00	.50	.070	150	N	N	N	15
B956	47 12 39	113 21 0	307	3.00	2.00	1.50	.150	200	N	N	N	70
B964	47 12 6	113 21 21	307	1.00	1.00	1.00	.070	300	N	N	N	20
JAF137	47 13 13	112 24 40	308	2.00	5.00	15.00	--	5,000	N	N	N	50
R60	47 13 13	112 27 48	309	.70	2.00	20.00	.050	150	N	N	N	N
R61	47 13 17	112 27 39	309	3.00	1.50	20.00	.150	1,000	N	N	N	20
R62	47 13 15	112 27 34	309	1.50	1.00	15.00	.030	500	N	N	N	N

Choteau rock--continued

sample	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
L202	300	1.0	N	N	7	20	100	30	N	<10	15	30
L203	5,000	1.0	N	N	N	30	20	50	N	<10	<5	N
L204	500	1.0	N	N	7	30	20	30	N	10	15	N
L205	500	<1.0	N	N	7	30	30	50	N	<10	15	<10
L206	300	<1.0	N	N	30	30	150	50	10	<10	20	3,000
L207	700	1.0	N	N	7	15	150	30	N	N	10	70
B237	300	1.0	N	N	<5	30	7	<20	N	N	10	<10
B238	3,000	N	N	N	N	N	15	N	N	N	5	<10
B239	300	2.0	N	N	15	70	300	50	N	<10	30	20
B240	150	N	N	N	<5	30	30	30	N	<10	15	<10
B241	200	N	N	N	5	30	30	30	N	<10	15	N
B242	200	N	N	N	5	30	3,000	70	N	<10	10	30
B243	300	N	N	N	<5	10	10	30	N	<10	10	N
B244	300	N	N	N	7	30	500	30	N	<10	20	700
L153	>5,000	<1.0	N	N	15	30	100	30	N	<10	20	<10
1158	1,500	<1.0	N	N	15	50	1,500	50	N	<10	20	15
L152	500	1.5	N	N	15	150	1,000	30	N	N	30	20
B131	300	N	N	N	N	10	7	<20	N	N	7	N
L108	500	1.0	N	N	15	100	7,000	30	N	10	50	10
L109	500	<1.0	N	N	5	10	20	30	N	<10	15	N
L110	300	<1.0	N	N	5	N	<5	20	N	N	10	<10
L107	300	N	N	N	N	15	7	<20	N	N	7	N
B140	300	N	N	N	N	<10	N	<20	N	N	5	N
B141	700	1.0	N	N	5	N	5	30	N	N	15	N
B954	200	N	N	N	N	30	N	N	N	N	N	N
B955	150	N	N	N	N	N	N	N	N	N	5	N
B952	200	N	N	N	N	N	N	N	N	N	N	N
B864	300	<1.0	N	N	N	10	N	20	N	N	<5	<10
B865	700	1.5	N	N	15	10	30	<20	N	N	15	<10
B866	500	2.0	N	N	30	100	10	30	N	N	70	15
B867	700	2.0	N	N	5	70	N	50	N	N	15	15
B868	500	1.5	N	N	5	30	N	30	N	N	10	10
B935	500	2.0	N	N	20	70	N	50	N	N	30	15
B948	700	2.0	N	N	20	100	N	70	N	N	50	10
M384	300	1.0	<10	N	N	10	10	N	N	N	5	N
M381	500	5.0	N	N	5	50	5,000	50	N	N	10	20
B958	300	N	N	N	<5	10	50	N	N	N	5	N
B961	500	N	N	N	N	15	7	N	N	N	7	N
B936	500	1.0	N	N	10	70	N	30	N	N	20	<10
B937	300	<1.0	N	N	N	15	N	20	N	N	N	<10
B938	1,500	2.0	N	N	30	100	700	<20	N	N	70	15
B970	100	1.5	N	N	30	70	500	30	N	N	30	10
B971	<20	N	N	N	<5	10	<5	N	N	N	7	N
B957	500	<1.0	N	N	7	<10	N	N	N	N	10	N
B956	200	2.0	N	N	10	50	N	30	N	N	15	10
B964	150	<1.0	N	N	<5	15	N	<20	N	N	10	<10
JAF137	200	5.0	N	30	<5	50	20	--	N	--	5	150
R60	70	N	N	N	5	20	7	N	N	N	N	15
R61	200	N	N	N	5	150	7	20	N	N	20	10
R62	300	N	N	N	<5	20	7	30	N	N	<5	15

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
L202	N	7	N	N	30	N	20	N	200	N	.06
L203	N	7	N	100	20	N	20	N	300	N	.04
L204	N	7	N	N	50	N	20	N	150	N	.04
L205	N	<7	N	N	30	N	30	N	300	N	.22
L206	N	7	N	N	50	N	50	N	150	N	.27
L207	N	5	N	200	70	N	50	N	70	N	.20
B237	N	5	N	<100	20	N	15	N	200	N	<.02
B238	N	10	N	N	10	N	N	N	30	N	.06
B239	N	10	N	N	70	N	30	N	150	N	.06
B240	N	5	N	N	30	N	20	N	70	N	<.02
B241	N	7	N	100	30	N	30	N	100	N	.70
B242	N	5	N	150	50	N	50	N	150	N	.04
B243	N	5	N	N	20	N	20	N	100	N	.04
B244	N	10	N	N	50	N	30	N	300	N	.08
L153	N	<7	N	200	70	N	50	N	150	N	.05
L158	N	10	N	<100	70	N	20	N	150	N	N
L152	N	N	N	N	70	N	20	N	200	N	.07
B131	N	N	N	N	15	N	N	N	150	N	.03
L108	N	10	N	N	70	N	20	N	150	N	.02
L109	N	5	N	N	20	N	N	N	100	N	N
L110	N	5	N	N	20	N	20	N	150	N	N
L107	N	N	N	N	30	N	10	N	150	N	N
B140	N	<5	N	N	10	N	10	N	70	N	N
B141	N	N	N	N	20	N	<10	N	30	N	.04
B954	N	N	N	N	<10	N	<10	N	100	N	.10
B955	N	N	N	N	10	N	<10	N	20	N	.02
B952	N	N	N	N	<10	N	<10	N	50	N	.14
B864	N	N	N	N	15	N	N	N	70	N	.04
B865	N	<5	N	N	30	N	10	N	500	N	.06
B866	N	<10	N	<100	70	N	30	N	1,000	N	.04
B867	N	10	N	100	70	N	70	N	300	N	.02
B868	N	5	N	<100	30	N	15	N	300	N	N
B935	N	15	N	<100	100	N	30	N	700	N	<.02
B948	N	15	N	N	10	N	50	N	300	N	N
M384	N	N	N	N	70	N	10	N	70	N	.06
M381	N	10	N	N	15	N	<10	N	300	N	.10
B958	N	N	N	N	15	N	<10	N	70	N	.02
B961	N	N	N	N	15	N	<10	N	100	N	.06
B936	N	10	N	N	70	N	30	N	150	N	.02
B937	N	N	N	N	20	N	10	N	300	N	.40
B938	N	10	N	<100	70	N	20	N	200	N	1.30
B970	N	10	N	N	50	N	20	N	100	N	.02
B971	N	<5	N	N	20	N	30	N	50	N	.02
B957	N	N	N	N	20	N	<10	N	150	N	.02
B956	N	7	N	N	30	N	30	N	100	N	.02
B964	N	N	N	N	15	N	10	N	100	N	.05
JAF137	N	--	N	--	20	N	30	1,000	--	--	<.02
R60	N	N	N	500	10	N	N	N	20	N	.02
R61	N	15	N	300	30	N	30	N	50	N	<.02
R62	N	N	N	500	10	N	10	N	20	N	.04

Choteau rock--continued

sample	latitude	longitude	MAP_NO.	S-FEX	S-MGZ	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
R63	47 13 26	112 27 15	309	.70	.15	.30	.150	300	N	N	N	20
R64	47 13 16	112 27 3	309	.50	.10	<.05	.150	300	N	N	N	15
R15	47 13 39	112 28 1	310	.15	.30	20.00	.010	70	N	N	N	N
R59	47 13 18	112 29 17	311	.70	10.00	10.00	.015	30	N	N	N	N
R52	47 13 21	112 30 53	312	.10	.70	20.00	.015	20	N	N	N	20
R53	47 13 13	112 30 29	312	1.50	10.00	15.00	.100	50	N	N	N	N
R54	47 13 13	112 30 26	312	.50	10.00	15.00	.020	150	N	N	N	N
R58	47 13 24	112 30 3	312	.30	10.00	15.00	.010	500	N	N	N	N
R49	47 13 0	112 31 54	313	.07	7.00	10.00	.005	20	N	N	N	N
R50	47 13 5	112 31 36	313	.15	10.00	10.00	.007	10	N	N	N	N
R51	47 13 14	112 31 13	313	.30	.70	20.00	.030	20	N	N	N	15
R45	47 13 45	112 32 46	314	.10	10.00	10.00	.005	<10	N	N	N	N
R46	47 13 36	112 32 40	314	.30	10.00	10.00	.005	50	N	N	N	N
R22	47 13 5	112 33 55	315	.05	10.00	15.00	.007	50	N	N	N	N
R23	47 13 0	112 33 30	315	<.05	7.00	15.00	.005	<10	N	N	N	N
R24	47 13 4	112 33 11	315	.05	10.00	10.00	.002	<10	N	N	N	<10
B403	47 13 20	112 36 37	316	.10	.70	20.00	.010	70	N	N	N	50
B404	47 13 36	112 36 40	316	1.50	5.00	7.00	.100	300	N	N	N	<10
B395	47 13 7	112 37 14	317	1.00	3.00	20.00	.050	300	N	N	N	N
B396	47 13 9	112 37 5	317	.20	7.00	20.00	.007	300	N	N	N	15
L333	47 13 44	112 38 9	318	1.50	5.00	15.00	.030	700	N	N	N	70
L334	47 13 34	112 38 9	318	2.00	.70	<.05	.200	150	N	N	N	30
L335	47 13 29	112 38 12	318	2.00	1.00	.07	.200	300	N	N	N	50
L336	47 13 24	112 38 16	318	1.50	.70	3.00	.100	700	N	N	N	<10
L337	47 13 19	112 38 15	318	2.00	.50	20.00	.020	100	N	N	N	30
L338	47 13 20	112 38 28	318	.70	.20	.05	.150	100	1.5	N	N	20
401B	47 13 24	112 39 56	319	1.50	5.00	5.00	.150	500	N	N	N	10
L344	47 13 4	112 39 19	319	1.00	2.00	15.00	.070	200	N	N	N	10
B349	47 13 54	112 43 4	320	.70	1.00	20.00	.050	200	N	N	N	10
B294	47 13 10	112 45 36	321	.20	.20	<.05	.020	10	N	N	N	50
B295	47 13 6	112 45 25	321	1.50	1.00	.05	.150	30	.7	N	N	70
B296	47 13 2	112 45 18	321	3.00	2.00	1.00	.200	300	N	N	N	50
L320	47 13 48	112 45 0	321	2.00	1.00	5.00	.070	150	N	N	N	50
L321	47 13 45	112 45 14	321	1.50	1.00	.10	.150	150	N	N	N	30
L312	47 13 54	112 47 37	322	1.50	3.00	3.00	.150	300	N	N	N	20
L313	47 13 46	112 47 40	322	2.00	3.00	7.00	.070	300	N	N	N	50
L154	47 13 35	112 48 33	323	1.50	2.00	3.00	.150	200	N	N	N	50
L155	47 13 35	112 48 48	323	3.00	3.00	3.00	.150	300	N	N	N	50
L156	47 13 42	112 49 15	324	1.50	1.50	20.00	.100	1,500	N	N	N	50
L157	47 13 50	112 49 24	324	2.00	1.00	15.00	.200	300	N	N	N	50
L157B	47 13 50	112 49 24	324	.70	1.00	5.00	.150	500	N	N	N	30
L158	47 13 53	112 49 32	324	5.00	3.00	7.00	.300	5,000	N	3,000	N	50
L159	47 13 52	112 49 49	324	2.00	1.00	.05	.200	200	1.0	N	N	70
L160	47 13 57	112 49 57	324	1.50	.70	.07	.150	200	N	N	N	50
L171	47 13 54	112 49 17	324	2.00	10.00	15.00	.150	3,000	N	N	N	70
L172	47 13 58	112 49 8	324	2.00	3.00	7.00	.150	700	N	N	N	50
L197	47 13 15	112 49 13	324	3.00	3.00	20.00	.200	1,500	N	N	N	50
L198	47 13 2	112 49 27	324	2.00	2.00	10.00	.200	>5,000	N	1,000	N	70
L199	47 13 0	112 49 38	324	2.00	3.00	10.00	.300	3,000	N	N	N	N
B209	47 13 48	112 53 7	325	.15	.07	<.05	.015	10	N	N	N	N

sample	S-BA	S-BE	S-BI	S-CD	S-BA	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
R63	150	N	N	N	<5	10	N	N	50	N	N	<5	15
R64	>5,000	N	N	N	N	<10	5	5	30	N	N	<5	<10
R15	N	N	N	N	N	N	5	5	N	N	N	5	N
R59	20	N	N	N	N	20	10	10	N	N	N	N	30
R52	<20	N	N	N	N	N	N	N	N	N	N	N	N
R53	200	1.0	N	N	5	70	5	5	N	N	N	10	<10
R54	<20	N	N	N	N	10	7	7	N	N	N	N	N
R58	<20	N	N	N	N	N	<5	<5	N	N	N	N	N
R49	N	N	N	N	N	<10	N	N	N	N	N	N	N
R50	N	N	N	N	N	15	<5	<5	N	N	N	N	N
R51	20	N	N	N	N	10	<5	<5	N	N	N	N	N
R45	N	N	N	N	N	10	N	N	N	N	N	N	N
R46	N	N	N	N	N	10	N	N	N	N	N	N	N
R22	N	N	N	N	N	15	N	N	N	N	N	N	N
R23	N	N	N	N	N	N	N	N	<20	N	N	N	N
R24	N	N	N	N	N	30	N	N	<20	N	N	N	N
B403	N	<1.0	N	N	N	N	N	N	N	N	N	N	N
B404	700	N	N	N	<5	15	<5	<5	N	N	N	10	15
B395	100	N	N	N	N	<10	N	N	<20	N	N	5	1,000
B396	N	N	N	N	N	N	<5	<5	<20	N	N	N	100
L333	50	N	N	N	N	N	7	7	<20	N	N	<5	<10
L334	200	1.0	N	N	10	20	10	10	30	N	10	20	<10
L335	1,000	<1.0	N	N	10	30	30	30	50	N	<10	15	20
L336	3,000	<1.0	N	N	7	15	15	15	30	N	<10	15	<10
L337	100	N	N	N	10	N	20	20	30	N	N	15	500
L338	200	<1.0	N	N	<5	15	15	15	20	N	N	7	N
401B	3,000	N	N	N	5	20	7	7	30	N	N	10	<10
L344	100	N	N	N	7	20	7	7	20	N	N	15	15
B349	70	N	N	N	N	N	7	7	<20	N	N	<5	N
B294	300	<1.0	N	N	N	N	N	<5	<20	N	N	<5	N
B295	300	1.0	N	N	<5	20	100	<5	30	N	<10	15	30
B296	500	1.0	N	N	15	70	<5	<5	50	N	10	30	<10
L320	150	N	N	N	10	15	15	15	30	N	<10	20	30
L321	200	<1.0	N	N	7	30	<5	<5	50	N	<10	10	10
L312	>5,000	<1.0	N	N	<5	30	2,000	2,000	<20	N	<10	10	10
L313	>5,000	<1.0	N	N	<5	30	30	30	20	N	<10	15	N
L154	300	<1.0	N	N	7	30	10	10	20	N	<10	15	N
L155	2,000	N	N	N	7	30	30	30	<20	N	<10	15	<10
L156	>5,000	<1.0	N	N	<5	20	700	700	50	N	N	15	N
L157	2,000	N	N	N	<5	50	30	30	50	N	<10	20	30
L157B	200	<1.0	N	N	<5	15	30	30	<20	N	<10	20	10
L158	300	1.5	N	N	20	100	30	30	100	N	<10	20	150
L159	1,000	N	N	N	N	30	150	150	70	N	<10	15	15
L160	1,000	N	N	N	7	50	20	20	50	N	<10	15	N
L171	5,000	<1.0	N	N	7	30	500	500	50	N	<10	15	30
L172	5,000	<1.0	N	N	7	30	1,000	1,000	30	N	<10	15	20
L197	1,000	N	N	N	7	50	500	500	100	N	<10	20	30
L198	1,000	2.0	N	N	10	50	70	70	70	N	<10	30	20
L199	>5,000	<1.0	N	N	<5	30	1,000	1,000	70	N	<10	15	7,000
B209	300	N	N	N	N	N	30	30	N	N	N	<5	<10

Choteau rock--continued

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
R63	N	<5	N	200	15	N	10	N	200	N	.08
R64	N	N	N	200	15	N	N	N	100	N	<.02
R15	N	N	N	200	10	N	N	N	N	N	.02
R59	N	N	N	N	10	N	<10	N	15	N	.02
R52	N	N	N	150	10	N	N	N	<10	N	.02
R53	N	5	N	<100	20	N	15	N	50	N	<.02
R54	N	N	N	N	10	N	N	N	10	N	.02
R58	N	N	N	N	15	N	N	N	N	N	.02
R49	N	N	N	N	10	N	N	N	N	N	.04
R50	N	N	N	N	15	N	N	N	N	N	.06
R51	N	N	N	150	15	N	N	N	15	N	<.02
R45	N	N	N	N	10	N	N	N	10	N	.02
R46	N	N	N	100	<10	N	N	N	<10	N	.02
R22	N	N	N	N	15	N	<10	N	N	N	N
R23	N	N	N	N	<10	N	N	N	N	N	.02
R24	N	N	N	N	10	N	<10	N	N	N	.04
B403	N	N	N	200	<10	N	N	N	N	N	<.02
B404	N	<5	N	100	10	N	<10	N	100	N	<.02
B395	N	N	N	300	<10	N	N	N	15	N	.02
B396	N	N	N	150	<10	N	N	N	<10	N	<.02
L333	N	<5	N	<100	<10	N	15	N	30	N	.06
L334	N	7	N	N	50	N	20	N	100	N	.04
L335	N	7	N	N	50	N	20	N	200	N	.11
L336	N	5	N	100	30	N	30	N	150	N	.04
L337	N	N	N	300	<10	N	20	500	20	N	.30
L338	N	5	N	N	30	N	15	N	200	N	.04
401B	N	5	N	100	15	N	20	N	100	N	.02
L344	N	<5	N	100	10	N	15	N	30	N	.10
B349	N	N	N	<100	<10	N	10	N	10	N	<.02
B294	N	N	N	N	10	N	20	N	50	N	<.02
B295	N	5	N	N	30	N	10	N	200	N	.13
B296	N	15	N	N	50	N	30	N	300	N	.04
L320	N	5	N	100	20	N	20	N	70	N	.08
L321	N	7	N	N	30	N	20	N	500	N	.02
L312	N	5	N	2,000	20	N	10	N	100	N	<.02
L313	N	7	N	N	50	N	30	N	150	N	<.02
L154	N	7	N	N	30	N	15	N	150	N	N
L155	N	7	N	N	30	N	20	N	150	N	.02
L156	N	N	N	500	50	N	70	N	100	N	<.02
L157	N	10	N	N	70	N	20	N	200	N	N
L157B	N	5	N	N	30	N	20	N	150	N	N
L158	N	<7	N	N	70	N	70	N	>1,000	N	.08
L159	N	<7	N	N	50	N	30	N	300	N	.03
L160	N	5	N	N	30	N	20	N	200	N	N
L171	N	<7	N	<300	30	N	30	N	N	N	.04
L172	N	10	N	N	50	N	30	N	200	N	.04
L197	N	<10	N	N	70	N	30	N	150	N	.04
L198	N	7	N	N	50	N	30	N	300	N	.06
L199	N	<10	N	N	70	N	70	N	300	N	.10
B209	N	N	N	N	10	N	N	N	20	N	.02

sample	latitude	longitude	MAP_NO.	S-FEX	S-MGX	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
B218	47 13 6	112 53 53	325	1.50	1.00	1.00	.200	700	N	N	N	70
B219	47 13 1	112 53 48	325	.30	.30	.07	.070	150	N	N	N	50
B217	47 13 10	112 54 1	326	.30	.30	.05	.030	300	N	N	N	20
B227	47 13 18	112 54 30	326	.70	.10	.07	.050	<10	N	N	N	30
B228	47 13 35	112 54 26	326	1.50	2.00	.30	.150	150	N	N	N	30
B229	47 13 43	112 54 30	326	1.50	2.00	1.00	.150	300	N	N	N	50
B230	47 13 57	112 54 43	326	1.50	.70	1.00	.150	700	N	N	N	70
B235	47 13 13	112 54 29	326	2.00	3.00	2.00	.300	1,000	N	N	N	70
B236	47 13 8	112 54 37	326	1.50	.50	.15	.150	150	N	N	N	50
L111	47 13 6	112 56 59	327	1.00	1.00	.20	.300	150	N	N	N	100
B134	47 13 35	112 59 41	328	.50	.50	N	.020	70	N	N	N	30
B135	47 13 39	112 59 31	328	.50	.20	<.05	.030	10	N	N	N	30
B139	47 13 0	112 59 41	328	.70	.10	N	.050	20	N	N	N	20
B133	47 13 27	113 0 31	329	2.00	1.00	1.00	.100	300	N	N	N	70
B136	47 13 25	113 0 5	329	.30	.10	N	.050	10	N	N	N	10
B137	47 13 24	113 0 15	329	1.00	.70	.07	.300	300	N	N	N	50
B-147	47 13 48	113 1 52	330	2.00	2.00	.30	.300	300	N	N	N	50
B-148	47 13 49	113 1 42	330	1.50	.70	.70	.150	500	N	N	N	30
B-149	47 13 49	113 1 25	330	1.50	.70	.05	.150	150	N	N	N	70
B-150	47 13 51	113 1 8	330	1.50	.70	.07	.100	150	N	N	N	50
B-142	47 13 25	113 2 37	331	.30	.70	N	.070	70	N	N	N	30
B-143	47 13 31	113 2 42	331	2.00	2.00	.10	.200	300	N	N	N	70
B-144	47 13 37	113 2 33	331	2.00	2.00	.15	.200	300	N	N	N	70
B-145	47 13 39	113 2 17	331	1.00	1.00	.10	.200	300	N	N	N	50
B-146	47 13 44	113 2 6	331	3.00	2.00	.20	.300	300	N	N	N	70
B953	47 13 0	113 2 0	331	.70	.70	<.05	.100	70	N	N	N	15
B862	47 13 18	113 6 4	332	1.50	2.00	2.00	.200	700	N	N	N	150
B863	47 13 5	113 6 8	332	1.00	1.50	N	.150	30	N	N	N	50
B926	47 13 58	113 6 53	332	.20	.15	N	.030	10	N	N	N	20
B922	47 13 6	113 7 30	333	.70	.20	N	.050	30	N	N	N	50
B923	47 13 19	113 7 30	333	.30	.15	N	.020	70	N	N	N	30
B924	47 13 23	113 7 24	333	.50	.20	N	.050	10	N	N	N	30
B925	47 13 44	113 7 11	333	.50	.15	N	.070	10	N	N	N	50
M385	47 13 3	113 11 43	334	.70	.50	.10	.070	50	N	N	N	30
B933	47 13 30	113 19 43	335	3.00	3.00	5.00	.200	700	N	N	N	70
B934	47 13 18	113 19 20	335	2.00	5.00	10.00	.150	700	N	N	N	70
EFB279	47 14 0	112 14 0	336	2.00	.70	1.00	.500	200	<.5	N	N	200
JAF134	47 14 53	112 26 10	337	.15	.05	.10	--	150	N	N	N	30
B272	47 14 9	112 39 21	338	.50	1.00	20.00	.030	1,000	N	N	N	<10
B273	47 14 21	112 39 26	338	1.50	5.00	15.00	.100	1,500	N	N	N	50
B274	47 14 25	112 39 22	338	7.00	3.00	20.00	.200	3,000	N	N	N	100
B275	47 14 31	112 39 30	338	2.00	1.00	3.00	.300	500	3.0	N	N	100
B276	47 14 38	112 39 31	338	3.00	1.50	.15	.150	300	N	N	N	70
B277	47 14 43	112 39 31	338	5.00	1.50	1.00	.300	500	N	N	N	100
B278	47 14 48	112 39 31	338	1.50	1.00	1.00	.200	500	N	N	N	70
B279	47 14 56	112 39 45	338	3.00	2.00	20.00	.150	5,000	N	N	N	30
B361	47 14 17	112 41 54	339	.50	1.50	20.00	.050	200	N	N	N	10
B362	47 14 13	112 41 41	339	.70	2.00	10.00	.070	300	N	N	N	10
B363	47 14 14	112 41 34	339	.70	.70	20.00	.030	200	N	N	N	<10
B364	47 14 21	112 41 16	339	.70	1.50	20.00	.030	700	N	N	N	15

Choteau rock--continued

sample	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
B218	300	1.0	N	N	7	50	<5	30	N	<10	15	N
B219	300	<1.0	N	N	N	N	7	N	N	N	<5	N
B217	200	N	N	N	N	N	15	N	N	N	5	N
B227	500	N	N	N	N	10	7	<20	N	N	5	<10
B228	300	N	N	N	5	15	50	20	N	<10	15	N
B229	200	<1.0	N	N	7	20	150	20	N	<10	15	10
B230	500	<1.0	N	N	5	30	10	<20	N	<10	15	<10
B235	1,000	<1.0	N	N	<5	30	10	30	N	<10	15	<10
B236	700	<1.0	N	N	<5	30	15	30	N	10	10	<10
L111	150	N	N	N	5	50	20	50	N	10	15	N
B134	150	N	N	N	N	<10	30	N	N	N	7	<10
B135	200	N	N	N	N	<10	30	N	N	N	10	N
B139	300	N	N	N	N	<10	10	N	N	N	5	N
B133	3,000	1.0	N	N	5	30	30	20	N	N	15	N
B136	200	N	N	N	N	10	7	N	N	N	7	N
B137	300	N	N	N	N	50	10	N	N	<10	10	N
B-147	500	1.0	N	N	10	30	30	70	N	<10	15	<10
B-148	>5,000	<1.0	N	N	<5	30	10	50	N	<10	5	<10
B-149	300	1.5	N	N	N	30	20	<20	N	<10	7	<10
B-150	300	2.0	N	N	N	30	50	20	N	<10	10	10
B-142	300	<1.0	N	N	5	<10	30	N	N	N	5	<10
B-143	500	1.5	N	N	7	30	15	20	N	<10	15	<10
B-144	2,000	1.5	N	N	15	50	50	70	N	10	20	10
B-145	1,000	1.0	N	N	N	30	70	50	N	<10	5	N
B-146	3,000	1.0	N	N	10	50	30	50	N	<10	15	10
B953	>5,000	N	N	N	N	10	N	N	N	N	<5	N
B862	700	1.5	N	N	10	30	200	30	N	N	20	10
B863	500	1.0	N	N	N	15	N	20	N	N	10	<10
B926	200	<1.0	N	N	N	<10	N	<20	N	N	<5	<10
B922	500	<1.0	N	N	N	<10	N	<20	N	N	<5	<10
B923	200	<1.0	N	N	N	<10	N	<20	N	N	<5	<10
B924	300	<1.0	N	N	N	<10	N	30	N	N	<5	<10
B925	500	<1.0	N	N	N	<10	N	<20	N	N	<5	10
M385	200	1.0	10	N	5	10	30	70	N	N	10	N
B933	300	1.5	N	N	7	30	200	50	N	N	20	20
B934	500	1.5	N	N	<5	30	<5	30	N	N	20	15
EFB279	1,000	5.0	N	N	10	100	20	--	<5	N	50	30
JAF134	50	5.0	N	N	<5	50	10	--	N	--	<5	70
B272	30	N	N	N	N	N	N	30	N	N	N	30
B273	200	N	N	N	5	30	70	50	N	<10	10	50
B274	>5,000	<1.0	N	N	20	30	10	70	N	<10	15	50
B275	1,500	1.5	N	N	10	70	2,000	70	N	<10	20	<10
B276	700	N	N	N	10	20	1,000	20	N	<10	30	N
B277	1,500	<1.0	N	N	70	50	7	70	N	<10	15	<10
B278	1,000	1.0	N	N	10	30	15	50	N	<10	15	30
B279	1,000	<1.0	N	N	10	50	<5	70	N	<10	<5	<10
B361	70	N	N	N	N	<10	<5	N	N	N	7	15
B362	100	N	N	N	<5	10	7	N	N	N	5	15
B363	30	N	N	N	<5	<10	N	N	N	N	10	30
B364	150	N	N	N	7	<10	N	30	N	N	10	30

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
B218	N	7	N	N	30	N	30	N	300	N	.02
B219	N	N	N	N	15	N	10	N	70	N	.04
B217	N	N	N	N	10	N	<10	N	70	N	.06
B227	N	N	N	N	15	N	N	N	100	N	.04
B228	N	5	N	N	30	N	10	N	200	N	.35
B229	N	5	N	N	30	N	15	N	150	N	.04
B230	N	5	N	N	30	N	15	N	200	N	.04
B235	N	<5	N	N	30	N	30	N	300	N	.26
B236	N	5	N	N	20	N	10	N	150	N	.04
L111	N	7	N	N	30	N	30	N	300	N	.04
B134	N	N	N	N	<10	N	10	N	150	N	N
B135	N	N	N	N	15	N	<10	N	70	N	N
B139	N	N	N	N	10	N	20	N	150	N	N
B133	N	7	N	N	50	N	30	N	200	N	.02
B136	N	N	N	N	15	N	N	N	70	N	N
B137	N	5	N	N	20	N	20	N	300	N	.03
B-147	N	10	N	N	50	N	30	N	300	N	N
B-148	N	5	N	N	20	N	15	N	200	N	N
B-149	N	5	N	N	30	N	70	N	150	N	N
B-150	N	5	N	N	30	N	15	N	200	N	N
B-142	N	N	N	N	10	N	10	N	200	N	N
B-143	N	7	N	N	30	N	15	N	200	N	N
B-144	N	15	N	N	70	N	20	N	150	N	.18
B-145	N	5	N	N	15	N	15	N	300	N	N
B-146	N	15	N	N	70	N	20	N	300	N	N
B953	N	N	N	N	10	N	15	N	150	N	<.02
B862	N	7	N	N	30	N	30	N	200	N	.04
B863	N	N	N	N	20	N	15	N	500	N	.04
B926	N	N	N	N	30	N	<10	N	30	N	N
B922	N	N	N	N	20	N	<10	N	100	N	N
B923	N	N	N	N	20	N	<10	N	70	N	N
B924	N	N	N	N	15	N	<10	N	30	N	N
B925	N	N	N	N	20	N	<10	N	70	N	N
M385	N	N	N	N	20	N	10	N	70	N	.04
B933	N	10	N	N	50	N	20	N	150	N	.06
B934	N	10	N	N	30	N	20	N	150	N	.08
EFB279	N	10	N	N	200	N	20	N	150	N	.06
JAF134	N	--	N	N	15	N	N	N	--	N	N
B272	N	N	N	N	<10	N	<10	N	N	N	.12
B273	N	5	N	N	20	N	20	N	100	N	.06
B274	N	<7	N	N	50	N	70	N	150	N	.06
B275	N	10	N	N	100	N	30	N	300	N	.15
B276	N	7	N	N	50	N	20	N	300	N	.08
B277	N	10	N	N	70	N	50	N	500	N	.16
B278	N	7	N	N	30	N	20	N	200	N	.04
B279	N	7	N	N	70	N	50	N	200	N	.40
B361	N	N	N	N	<10	N	10	N	10	N	<.02
B362	N	N	N	N	15	N	10	N	20	N	.02
B363	N	N	N	N	<10	N	15	N	15	N	.02
B364	N	N	N	N	<10	N	30	N	30	N	.06

Choteau rock--continued

sample	Latitude	Longitude	MAP_NO.	S-FEX	S-MGX	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
B365	47 14 26	112 41 8	339	1.50	1.50	5.00	.150	2,000	N	N	N	50
B366	47 14 31	112 41 11	339	1.50	1.00	1.00	.200	700	N	N	N	100
B367	47 14 40	112 41 3	339	1.50	.70	5.00	.200	1,500	N	N	N	30
B368	47 14 47	112 41 1	339	3.00	2.00	.10	.300	150	15.0	N	N	70
B369	47 14 51	112 41 1	339	1.00	.50	.70	.150	300	N	N	N	20
B370	47 14 58	112 41 3	339	3.00	2.00	15.00	.200	2,000	N	N	N	70
B371	47 14 19	112 42 49	340	1.00	1.00	1.50	.100	200	N	N	N	30
B378	47 14 25	112 42 24	340	1.00	1.50	15.00	.100	300	N	N	N	20
B359	47 14 20	112 42 22	340	.70	.70	20.00	.050	500	N	N	N	<10
B360	47 14 18	112 42 17	340	.50	1.00	20.00	.050	300	N	N	N	<10
B344	47 14 21	112 43 56	341	1.00	1.00	1.00	.150	1,000	10.0	N	N	100
B345	47 14 16	112 43 52	341	3.00	5.00	15.00	.200	1,500	5.0	N	N	100
B346	47 14 16	112 43 45	341	1.50	3.00	10.00	.150	1,500	7.0	N	N	100
B347	47 14 10	112 43 44	341	2.00	3.00	20.00	.150	1,500	.7	N	N	50
B348	47 14 1	112 43 18	341	3.00	5.00	15.00	.100	2,000	N	N	N	50
B353	47 14 26	112 43 33	341	2.00	1.00	1.00	.100	500	N	N	N	70
B354	47 14 20	112 43 22	341	1.00	1.00	1.50	.070	300	1.5	N	N	70
B355	47 14 23	112 43 10	341	1.50	3.00	20.00	.050	500	N	N	N	15
B340	47 14 27	112 44 25	342	1.50	1.00	.15	.200	150	N	N	N	100
B341	47 14 26	112 44 14	342	1.50	.70	.30	.150	500	N	N	N	70
B342	47 14 25	112 44 6	342	1.00	.70	3.00	.100	1,500	5.0	N	N	70
B343	47 14 23	112 44 0	342	.70	.70	5.00	.150	1,500	10.0	N	N	100
L322	47 14 33	112 44 9	342	1.50	1.50	3.00	.100	500	N	N	N	50
L323	47 14 47	112 44 41	342	1.50	1.00	10.00	.070	700	N	N	N	20
L324	47 14 57	112 44 42	342	1.50	.70	.30	.150	500	N	N	N	30
B245	47 14 55	112 45 37	343	3.00	2.00	.15	.150	200	N	N	N	50
L309	47 14 33	112 47 33	344	3.00	1.00	7.00	.200	1,500	N	N	N	50
L310	47 14 23	112 47 36	344	3.00	1.50	15.00	.150	3,000	N	N	N	30
L311	47 14 12	112 47 38	344	2.00	3.00	3.00	.150	300	N	N	N	20
L173	47 14 6	112 48 55	345	2.00	1.00	3.00	.100	700	N	N	N	70
L174	47 14 13	112 48 50	345	5.00	1.00	.15	.300	500	N	N	N	70
L175	47 14 20	112 48 48	345	3.00	1.00	.70	.150	1,500	N	N	N	50
L176	47 14 29	112 48 47	345	1.50	.70	10.00	.150	5,000	N	N	N	30
L177	47 14 42	112 48 44	345	3.00	1.50	.15	.200	700	15.0	N	N	70
L178	47 14 50	112 48 44	345	1.50	1.00	5.00	.150	3,000	7.0	N	N	70
L179	47 14 59	112 48 51	345	1.00	1.00	.10	.150	200	1.5	N	N	30
L161	47 14 10	112 49 59	346	1.50	1.50	1.00	.300	300	30.0	N	N	150
L162	47 14 43	112 50 5	347	1.00	5.00	20.00	.070	2,000	N	N	N	30
L163	47 14 58	112 50 11	347	1.50	2.00	20.00	.070	500	N	N	N	30
B203	47 14 55	112 53 26	348	1.50	.70	3.00	.200	1,500	1.0	N	N	70
B204	47 14 48	112 53 23	348	1.50	1.00	2.00	.200	1,000	N	N	N	70
B205	47 14 35	112 53 23	348	3.00	1.50	10.00	.150	3,000	N	N	N	30
B206	47 14 23	112 53 27	348	.70	.70	10.00	.100	3,000	N	N	N	30
B207	47 14 14	112 53 21	348	2.00	5.00	7.00	.150	500	N	N	N	50
B208	47 14 2	112 53 13	348	.70	.50	.10	.070	1,000	N	N	N	30
B231	47 14 18	112 55 1	349	.10	.50	20.00	.010	100	N	N	N	N
B232	47 14 19	112 55 10	349	.20	1.00	20.00	.015	150	N	N	N	<10
B233	47 14 24	112 55 5	349	.15	.70	20.00	.030	50	N	N	N	N
B234	47 14 24	112 55 22	349	1.50	.50	20.00	.050	150	N	N	N	N
B-154	47 14 51	113 0 2	350	1.00	.70	.05	.070	150	N	N	N	20

sample	S-BA	S-BE	S-BI	S-CD	S-BO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
B365	300	1.0	N	N	7	20	70	50	N	<10	15	10
B366	1,000	<1.0	N	N	7	50	700	50	N	<10	15	<10
B367	5,000	N	N	N	15	15	<5	30	N	N	10	N
B368	2,000	<1.0	N	N	15	30	7,000	20	500	<10	30	50
B369	300	<1.0	N	N	7	15	200	<20	N	<10	7	N
B370	300	N	N	N	10	20	7	30	N	N	20	15
B357	>5,000	<1.0	N	N	7	20	5	<20	N	<10	15	<10
B358	200	N	N	N	7	15	5	20	N	N	15	<10
B359	150	N	N	N	5	10	5	<20	N	N	<5	10
B360	50	N	N	N	N	<10	N	N	N	N	<5	N
B344	2,000	1.5	N	N	<5	30	10,000	50	N	N	15	30
B345	2,000	<1.0	<10	N	10	70	5,000	50	N	<10	15	100
B346	500	<1.0	<10	N	10	70	10,000	70	N	<10	15	20
B347	300	N	N	N	7	30	700	30	N	N	15	200
B348	1,500	<1.0	N	N	7	20	15	70	N	N	15	30
B353	1,500	1.5	N	N	10	50	10	50	N	<10	20	15
B354	700	1.5	N	N	10	30	2,000	70	N	<10	20	10
B355	150	N	N	N	<5	15	10	20	N	N	<5	70
B340	300	1.0	N	N	5	50	10	20	N	<10	15	N
B341	300	<1.0	N	N	7	20	7	20	N	<10	15	N
B342	2,000	<1.0	N	N	<5	30	7,000	30	N	<10	10	<10
B343	3,000	1.5	N	N	7	20	10,000	30	N	<10	10	<10
L322	1,500	<1.0	N	N	7	20	10	50	N	<10	10	30
L323	100	N	N	N	7	10	<5	30	N	N	10	30
L324	300	N	N	N	5	10	100	30	N	N	10	20
B245	>5,000	1.0	N	N	70	30	50	50	N	10	20	50
L309	300	<1.0	N	N	7	50	100	50	70	<10	15	500
L310	300	N	N	N	7	70	20	100	N	<10	10	30
L311	500	N	N	N	5	30	70	<20	N	<10	15	10
L173	>5,000	<1.0	N	N	N	30	1,500	30	N	<10	10	15
L174	500	1.0	N	N	10	70	30	50	N	<10	30	N
L175	300	1.0	N	N	7	50	30	30	N	<10	20	<10
L176	700	<1.0	N	N	7	50	300	50	N	N	15	300
L177	3,000	<1.0	N	N	10	30	3,000	30	30	<10	30	20
L178	1,500	1.0	N	N	7	30	2,000	30	7	<10	20	15
L179	200	1.0	N	N	7	20	1,000	30	N	<10	15	15
L161	2,000	<1.0	N	N	15	70	15,000	50	50	<10	15	20
L162	2,000	N	N	N	N	20	150	50	N	N	<5	500
L163	100	<1.0	N	N	<5	15	15	50	N	N	10	20
B203	1,000	<1.0	N	N	7	30	500	30	N	<10	15	<10
B204	1,000	<1.0	N	N	10	50	1,000	<20	N	<10	20	N
B205	500	N	N	N	15	30	5	50	N	<10	15	30
B206	300	N	N	N	N	30	500	50	N	N	10	30
B207	200	<1.0	N	N	5	30	5	20	N	N	15	10
B208	300	<1.0	N	N	<5	10	7	<20	N	N	10	<10
B231	N	N	N	N	N	N	<5	N	N	N	N	N
B232	N	N	N	N	N	N	N	N	N	N	N	N
B233	20	N	N	N	N	N	<5	N	N	N	N	N
B234	<20	N	N	N	N	N	<5	20	N	N	N	<10
B-154	300	1.0	N	N	5	10	20	30	N	<10	15	N

Chateau rock--continued

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
B365	N	7	N	N	30	N	30	N	150	N	.08
B366	N	<7	N	N	50	N	30	N	500	N	.06
B367	N	N	N	<100	30	N	30	N	200	N	.04
B368	N	7	N	<100	70	N	30	N	300	N	.16
B369	N	7	N	N	20	N	20	N	300	N	.04
B370	N	N	N	<100	50	N	30	N	100	N	.06
B357	N	5	N	700	30	N	20	N	150	N	.08
B358	N	5	N	N	<10	N	15	N	70	N	.02
B359	N	<5	N	150	<10	N	15	N	50	N	.04
B360	N	N	N	150	<10	N	10	N	<20	N	<.02
B344	N	N	N	<100	100	N	30	N	200	N	.04
B345	N	<10	N	N	50	N	30	N	300	.06	.11
B346	N	10	N	<100	70	N	30	N	100	N	.04
B347	N	N	N	N	20	N	20	N	100	.08	.04
B348	N	<5	N	<100	50	N	30	N	70	N	.02
B353	N	10	N	<100	70	N	20	N	200	N	<.02
B354	N	7	N	<100	<10	N	50	N	100	N	.08
B355	N	<5	N	N	50	N	15	N	70	N	<.02
B340	N	7	N	N	30	N	20	N	200	N	.02
B341	N	5	N	N	70	N	20	N	150	N	.02
B342	N	<5	N	N	100	N	30	N	200	N	.11
B343	N	<5	N	<100	20	N	30	N	300	.06	.06
L322	N	7	N	<100	30	N	30	N	300	N	.02
L323	N	<5	N	N	20	N	20	N	200	N	<.02
L324	N	<5	N	N	70	N	30	N	300	N	.02
B245	N	7	N	N	30	N	30	N	200	N	<.02
L309	N	5	N	100	30	N	30	N	300	N	.04
L310	N	7	N	N	20	N	10	N	100	N	.02
L311	N	5	N	<200	30	N	30	N	150	N	<.02
L173	N	<5	N	N	70	N	30	N	500	N	<.02
L174	N	10	N	N	30	N	30	N	150	N	.04
L175	N	10	N	N	30	N	30	N	150	N	.04
L176	N	10	N	N	50	N	30	N	300	N	.20
L177	N	<10	N	N	50	N	50	N	300	N	.15
L178	N	10	N	N	30	N	20	N	300	N	.04
L179	N	7	N	N	100	N	20	N	300	N	.70
L161	N	10	N	300	150	N	30	N	70	N	.03
L162	N	<5	N	<200	<10	N	20	N	70	N	.03
L163	N	N	N	N	50	N	30	N	300	N	.06
B203	N	10	N	N	30	N	30	N	300	N	.04
B204	N	10	N	N	70	N	30	N	150	N	.02
B205	N	7	N	100	30	N	50	N	100	N	<.02
B206	N	10	N	<100	30	N	20	N	100	N	.02
B207	N	7	N	N	15	N	15	N	70	N	.04
B208	N	<5	N	N	N	N	N	N	N	N	<.02
B231	N	N	N	300	15	N	N	N	N	N	.04
B232	N	N	N	500	10	N	N	N	10	N	<.02
B233	N	N	N	300	15	N	<10	N	<10	N	.04
B234	N	N	N	500	15	N	15	N	150	N	.04
B-154	N	<5	N	N	15	N	15	N	N	N	N

sample	latitude	longitude	MAP_NO.	S-FEX	S-MGX	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
B-151	47 14 3	113 1 6	351	1.00	1.00	.07	.150	150	N	N	N	70
B-152	47 14 22	113 1 0	351	1.50	.50	.07	.070	70	N	N	N	30
B927	47 14 10	113 7 18	352	1.50	.70	.30	.200	100	N	N	N	70
B928	47 14 5	113 8 17	353	2.00	.15	.30	.200	150	N	N	N	100
B929	47 14 4	113 8 55	353	1.00	.15	.30	.100	300	N	N	N	50
B930	47 14 57	113 9 52	354	2.00	.15	.15	.300	100	N	N	N	100
B931	47 14 50	113 9 18	354	.70	.70	<.05	.100	50	N	N	N	50
B959	47 14 23	113 13 42	355	2.00	1.00	.07	.100	150	N	N	N	50
B960	47 14 6	113 13 19	355	2.00	.70	1.50	.100	500	N	N	N	10
B440	47 14 22	113 17 23	356	.20	.15	<.05	.015	20	N	N	N	N
B441	47 14 49	113 17 16	356	.30	.30	<.05	.030	30	N	N	N	10
M439	47 14 55	113 19 16	357	.70	.50	.15	.100	150	N	N	N	10
M523	47 14 20	113 22 47	358	3.00	1.50	3.00	.500	200	N	N	N	30
M311	47 14 19	113 23 32	359	1.50	2.00	15.00	.100	300	N	N	N	50
M314	47 14 1	113 30 56	360	2.00	2.00	5.00	.100	300	N	N	N	30
M315	47 14 18	113 30 49	360	1.50	7.00	7.00	.150	700	N	N	N	30
M316	47 14 38	113 30 57	360	5.00	3.00	.05	.200	500	N	N	N	150
M317	47 14 48	113 30 38	360	.70	.30	<.05	.070	500	N	N	N	30
JAF135	47 15 29	112 24 53	361	5.00	.70	1.50	--	1,000	N	N	N	20
JAF136	47 15 32	112 24 55	361	.15	10.00	20.00	--	150	N	N	N	20
EFD168	47 15 40	112 25 0	362	2.00	1.00	1.00	.300	300	N	N	N	N
JAF129	47 15 24	112 25 57	362	2.00	.10	.30	--	700	N	N	N	70
JAF138	47 15 40	112 25 50	362	2.00	.15	.15	--	70	N	N	N	50
JAF140	47 15 47	112 25 48	362	.10	.03	<.05	--	150	N	N	N	20
JAF141	47 15 40	112 25 38	362	.50	.02	<.05	--	20	N	N	N	20
JAF142	47 15 35	112 25 30	362	1.00	.03	<.05	--	500	N	N	N	20
JAF143	47 15 30	112 25 28	362	.30	.03	.05	--	20	N	N	N	20
JAF144	47 15 25	112 25 42	362	3.00	.20	.07	--	700	N	N	N	20
JAF233	47 15 22	112 25 49	362	1.00	.03	N	--	300	2.0	N	N	70
JAF234	47 15 19	112 25 56	362	.50	.02	N	--	200	N	N	N	20
JAF130	47 15 15	112 26 35	363	2.00	5.00	10.00	--	>5,000	N	N	N	70
JAF131	47 15 7	112 26 30	363	.07	.03	.05	--	70	N	N	N	20
JAF132	47 15 2	112 26 21	363	3.00	5.00	15.00	--	>5,000	N	N	N	70
JAF133	47 15 3	112 26 12	363	2.00	1.00	20.00	--	700	N	N	N	70
JAF139	47 15 49	112 26 5	363	.30	.03	.05	--	70	N	N	N	20
JAF235	47 15 15	112 26 7	363	.70	.02	N	--	700	N	N	N	20
AMS918	47 15 45	112 31 54	364	7.00	.50	.20	--	50	.5	N	--	--
B284	47 15 30	112 37 41	365	N	1.00	20.00	.005	10	N	N	N	N
B281	47 15 32	112 38 44	366	1.00	.70	7.00	.150	300	N	N	N	30
B282	47 15 35	112 38 35	366	1.00	.70	5.00	.150	500	N	N	N	50
B283	47 15 39	112 38 10	366	<.05	10.00	20.00	.007	15	N	N	N	N
B280	47 15 12	112 39 12	367	3.00	5.00	7.00	.150	1,500	N	N	N	70
B371	47 15 5	112 41 3	368	1.50	2.00	.50	.100	100	N	N	N	30
B372	47 15 12	112 41 1	368	1.50	5.00	5.00	.100	1,000	N	N	N	20
L325	47 15 6	112 44 41	369	3.00	1.00	.07	.150	150	N	N	N	50
L326	47 15 10	112 44 38	369	.70	.50	3.00	.100	1,000	N	N	N	50
L327	47 15 14	112 44 32	369	2.00	1.00	15.00	.200	3,000	1.0	N	N	50
L328	47 15 25	112 44 21	369	1.50	1.00	15.00	.100	700	N	N	N	30
L329	47 15 36	112 44 5	369	1.50	1.00	.70	.100	200	N	N	N	70
L330	47 15 43	112 44 2	369	1.00	1.00	.07	.070	100	N	N	N	30

Choteau rock--continued

sample	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
B-151	700	1.5	N	N	7	30	20	50	N	10	15	<10
B-152	700	1.5	N	N	5	20	15	50	N	<10	7	<10
B927	500	1.0	N	N	<5	15	N	20	N	N	<5	10
B928	300	1.5	N	N	7	30	N	20	N	N	30	<10
B929	500	1.0	N	N	7	10	N	<20	N	N	15	<10
B930	500	2.0	N	N	7	50	<5	30	N	N	15	10
B931	200	1.0	N	N	<5	15	N	20	N	N	7	10
B959	200	1.5	N	N	5	10	N	<20	N	N	10	<10
B960	500	1.0	N	N	<5	15	N	<20	N	N	7	N
B440	300	N	N	N	N	N	5	20	N	N	<5	N
B441	300	N	N	N	N	N	30	N	N	N	<5	N
M439	300	<1.0	N	N	N	<10	50	<20	N	N	<5	N
M523	300	1.0	N	N	5	30	15	20	N	N	<5	10
M311	100	1.0	N	N	N	30	5	N	N	N	5	20
M314	150	<1.0	N	N	20	30	15	N	N	N	15	50
M315	150	1.0	N	N	N	30	20	30	N	N	15	30
M316	150	3.0	N	N	20	100	5	70	N	N	70	30
M317	150	<1.0	N	N	N	15	7	N	N	N	5	N
JAF135	700	5.0	N	N	7	50	30	--	N	--	10	30
JAF136	N	5.0	N	N	7	50	5	--	N	--	N	50
EF0168	2,000	5.0	N	N	7	50	5	--	5	N	30	70
JAF129	500	5.0	N	N	5	50	15	--	N	--	15	30
JAF138	200	5.0	N	N	<5	50	<5	--	N	--	7	20
JAF140	30	5.0	N	N	N	50	7	--	N	--	<5	20
JAF141	2,000	5.0	N	N	5	50	20	150	N	--	N	100
JAF142	3,000	5.0	N	N	5	50	10	--	N	--	10	200
JAF143	700	5.0	N	N	N	50	7	--	N	--	<5	150
JAF144	500	5.0	N	N	7	50	7	--	N	--	20	30
JAF233	1,000	5.0	N	N	<5	50	50	100	N	--	7	1,000
JAF234	3,000	5.0	N	N	50	50	15	--	N	--	5	300
JAF130	150	5.0	N	N	N	50	100	--	N	--	5	5,000
JAF131	20	5.0	N	N	N	50	15	--	N	--	N	20
JAF132	200	5.0	N	N	5	50	50	--	N	--	<5	200
JAF133	150	5.0	N	N	5	50	5	--	N	--	15	20
JAF139	200	5.0	N	N	N	50	<5	--	N	--	<5	20
JAF235	100	5.0	N	N	<5	50	20	--	N	--	5	20
AMS918	1,500	--	--	--	7	50	30	--	50	--	10	70
B284	N	N	N	N	<5	N	N	N	N	N	N	N
B281	300	<1.0	N	N	<5	20	200	30	N	<10	15	10
B282	300	<1.0	N	N	<5	20	5	20	N	<10	10	<10
B283	N	N	N	N	N	30	<5	N	N	N	N	30
B280	300	<1.0	N	N	<5	20	20	20	N	<10	15	<10
B371	2,000	N	N	N	5	15	<5	<20	N	N	15	N
B372	700	N	N	N	7	10	<5	N	N	N	7	N
L325	1,000	<1.0	N	N	5	15	10	50	N	10	15	10
L326	200	1.0	N	N	5	15	100	70	N	N	10	20
L327	1,000	<1.0	N	N	10	50	300	50	N	<10	20	30
L328	150	<1.0	N	N	70	30	1,000	70	N	<10	15	20
L329	200	1.0	N	N	<5	20	7	30	N	<10	15	10
L330	300	<1.0	N	N	<5	N	20	<20	N	N	7	N

Choteau rock--continued

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
B-151	N	7	N	N	30	N	30	N	150	N	N
B-152	N	5	N	N	30	N	100	N	150	N	N
B927	N	5	N	N	30	N	10	N	500	N	N
B928	N	7	N	N	50	N	15	N	200	N	N
B929	N	<5	N	N	30	N	15	N	150	N	N
B930	N	7	N	N	50	N	20	N	300	N	N
B931	N	<5	N	N	20	N	10	N	100	N	N
B959	N	5	N	N	20	N	15	N	150	N	N
B960	N	<5	N	N	20	N	15	N	150	N	N
B440	N	N	N	N	<10	N	N	N	15	N	<.02
B441	N	N	N	N	<10	N	<10	N	100	N	<.02
M439	N	<5	N	N	10	N	10	N	200	N	<.02
M523	N	7	N	N	20	N	15	N	150	N	<.02
M311	N	5	N	N	50	N	15	N	70	N	.08
M314	N	5	N	N	70	N	30	N	150	N	.11
M315	N	15	N	N	70	N	30	N	70	N	.04
M316	N	15	N	N	150	N	30	N	100	N	.06
M317	N	5	N	N	30	N	10	N	70	N	.06
JAF135	N	--	N	--	150	N	20	N	--	--	<.02
JAF136	N	--	N	--	15	N	N	N	--	--	N
.EFD168	N	5	N	1,000	50	N	10	N	70	--	<.02
JAF129	N	--	N	--	50	N	50	N	--	--	<.02
JAF138	N	--	N	--	30	N	<10	N	--	--	N
JAF140	N	--	N	--	15	N	N	N	--	--	N
JAF141	N	--	N	--	30	N	30	N	--	--	N
JAF142	N	--	N	--	20	N	<10	N	--	--	<.02
JAF143	N	--	N	1,000	30	N	20	N	--	--	.03
JAF144	N	--	N	--	30	N	30	N	--	--	N
JAF233	N	--	N	--	50	N	30	N	--	--	.07
JAF234	N	--	N	--	20	N	<10	N	--	--	<.02
JAF130	N	--	N	--	20	N	30	N	--	--	.28
JAF131	N	--	N	--	15	N	N	3,000	--	--	<.02
JAF132	N	--	N	--	30	N	30	N	--	--	2.20
JAF133	N	--	N	--	20	N	20	10,000	--	--	.03
JAF139	N	--	N	--	15	N	<10	N	--	--	N
JAF235	N	--	N	--	20	N	<10	N	--	--	<.02
AMS918	--	--	N	--	70	N	20	N	--	--	--
B284	N	N	N	300	<10	N	N	N	N	N	.02
B281	N	5	N	N	20	N	20	N	100	N	.04
B282	N	5	N	N	30	N	20	N	150	N	.02
B283	N	N	N	N	<10	N	<10	N	N	N	.04
B280	N	7	N	N	30	N	15	N	70	N	.02
B371	N	<5	N	N	20	N	10	N	150	N	<.02
B372	N	<5	N	N	10	N	10	N	70	N	.06
L325	N	7	N	N	20	N	30	N	200	N	.04
L326	N	5	N	N	20	N	50	N	100	N	.02
L327	N	10	N	N	50	N	30	N	300	N	<.02
L328	N	7	N	N	50	N	20	N	200	N	<.02
L329	N	7	N	N	30	N	15	N	300	N	<.02
L330	N	<5	N	N	10	N	10	N	200	N	.02

Choteau rock--continued

sample	Latitude	Longitude	MAP_NO.	S-FEX	S-MGX	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
L331	47 15 56	112 44 5	369	.30	.05	N	.030	10	N	N	N	10
B246	47 15 14	112 45 23	370	3.00	1.00	.10	.150	300	N	N	N	70
B247	47 15 26	112 45 27	370	1.00	.30	3.00	.150	1,500	N	N	N	70
B248	47 15 28	112 45 34	370	1.00	.70	5.00	.150	1,500	7.0	N	N	70
B249	47 15 35	112 45 33	370	3.00	1.00	15.00	.150	>5,000	N	N	N	30
B250	47 15 39	112 45 42	370	1.50	.70	10.00	.150	5,000	N	N	N	50
B251	47 15 41	112 45 34	370	5.00	5.00	10.00	.150	1,500	N	N	N	50
B252	47 15 51	112 45 28	370	1.50	3.00	5.00	.100	1,000	N	N	N	50
B253	47 15 49	112 46 18	371	3.00	2.00	1.50	.150	300	N	N	N	50
B254	47 15 49	112 46 27	371	7.00	2.00	1.50	.150	200	N	N	N	100
B255	47 15 44	112 46 26	371	2.00	5.00	20.00	.100	1,000	N	N	N	50
B256	47 15 50	112 47 7	372	3.00	3.00	3.00	.200	300	N	N	N	50
B257	47 15 49	112 47 16	372	1.50	1.00	2.00	.150	150	N	N	N	30
B258	47 15 53	112 47 38	372	5.00	1.00	1.50	.150	5,000	N	N	N	50
B259	47 15 47	112 47 50	372	3.00	1.00	7.00	.100	5,000	N	N	N	30
L314	47 15 20	112 47 37	372	1.00	.70	2.00	.100	1,000	N	N	N	20
B260	47 15 59	112 48 20	373	2.00	1.50	2.00	.150	1,500	N	N	N	30
L180	47 15 4	112 48 58	373	1.00	.70	.15	.100	200	N	N	N	70
L315	47 15 33	112 48 0	373	1.00	1.00	2.00	.150	700	N	N	N	100
L316	47 15 41	112 48 43	373	1.50	1.00	2.00	.150	1,000	N	N	N	50
L181	47 15 10	112 49 8	374	.70	.70	5.00	.150	1,500	5.0	N	N	70
L182	47 15 11	112 49 17	374	1.50	1.00	15.00	.150	1,500	N	N	N	30
L183	47 15 17	112 49 33	374	3.00	5.00	20.00	.100	1,500	N	N	N	30
L184	47 15 20	112 49 42	374	1.00	1.00	20.00	.070	700	N	N	N	<10
L185	47 15 20	112 49 52	374	1.50	2.00	20.00	.100	1,500	N	N	N	20
B199	47 15 52	112 52 26	375	2.00	5.00	7.00	.100	300	N	N	N	20
B200	47 15 36	112 52 27	375	1.50	3.00	7.00	.100	300	N	N	N	30
B201	47 15 22	112 52 46	375	2.00	3.00	3.00	.150	300	N	N	N	50
B201A	47 15 17	112 52 50	375	2.00	2.00	2.00	.100	300	N	N	N	30
B201B	47 15 13	112 52 55	375	2.00	2.00	<.05	.150	200	N	N	N	70
B192	47 15 57	112 53 33	376	3.00	.70	.15	.150	300	N	N	N	100
B201C	47 15 6	112 53 10	376	2.00	3.00	10.00	.070	700	N	N	N	20
B202	47 15 0	112 53 24	376	1.50	1.00	3.00	.200	3,000	N	N	N	70
182B	47 15 56	112 55 10	377	3.00	3.00	7.00	.030	2,000	N	N	N	15
185B	47 15 18	112 55 29	377	.30	2.00	15.00	.030	100	N	N	N	10
B262	47 15 58	112 56 25	378	.15	1.00	20.00	.010	100	N	N	N	N
L419	47 15 44	112 58 12	379	.30	10.00	15.00	.007	150	N	N	N	<10
B-153	47 15 4	113 0 20	380	.70	.20	.10	.100	100	N	N	N	30
L-128	47 15 59	113 1 43	381	1.50	.50	10.00	.150	150	N	N	N	15
L125	47 15 56	113 2 22	382	2.00	1.50	.05	.150	200	N	N	N	50
L127	47 15 57	113 2 12	382	2.00	.70	10.00	.100	150	N	N	N	N
L123	47 15 56	113 3 29	383	3.00	2.00	<.05	.100	200	N	N	N	30
L116	47 15 23	113 4 55	384	.50	.20	<.05	.070	10	N	N	N	15
L117	47 15 31	113 4 45	384	<.05	.02	N	.070	30	N	N	N	<10
L118	47 15 39	113 4 30	384	.30	.30	.07	.070	70	N	N	N	20
L119	47 15 47	113 4 26	384	2.00	2.00	1.50	.100	700	N	N	N	70
L120	47 15 47	113 4 23	384	3.00	2.00	1.00	.150	500	N	N	N	100
L121	47 15 50	113 4 17	384	7.00	3.00	15.00	.030	5,000	N	N	N	70
L122	47 15 51	113 4 13	384	3.00	2.00	1.50	.100	1,000	N	N	N	70
L115	47 15 2	113 5 37	385	.30	.30	N	.050	70	N	N	N	30

sample	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
L331	200	N	N	N	N	N	10	N	N	N	<5	N
B246	1,500	<1.0	N	N	10	30	100	20	N	10	30	10
B247	300	1.0	N	N	5	15	15	20	N	<10	15	N
B248	3,000	<1.0	N	N	7	20	5,000	30	10	N	15	30
B249	3,000	N	N	N	10	50	7	50	N	N	10	15
B250	>5,000	<1.0	N	N	7	70	150	70	N	N	10	<10
B251	200	<1.0	N	N	30	50	20	100	N	<10	30	20
B252	1,500	<1.0	N	N	7	20	20	20	N	10	15	N
B253	5,000	1.0	N	N	7	50	20	30	N	<10	20	N
B254	>5,000	<1.0	N	N	<5	30	500	30	N	<10	15	<10
B255	200	<1.0	N	N	<5	30	15	20	N	N	15	20
B256	700	1.0	N	N	10	30	30	50	N	10	20	<10
B257	2,000	<1.0	N	N	5	20	30	30	N	10	15	<10
B258	500	<1.0	N	N	10	70	10	70	N	<10	15	30
B259	300	<1.0	N	N	20	20	30	30	N	<10	15	<10
L314	150	<1.0	N	N	<5	20	200	<20	N	N	7	N
B260	300	1.0	N	N	15	30	50	20	N	<10	30	15
L180	500	1.0	N	N	5	30	20	20	N	<10	15	10
L315	500	1.0	N	N	5	30	15	<20	N	N	10	N
L316	1,000	<1.0	N	N	5	30	10	<20	N	N	15	10
L181	300	N	N	N	N	30	5,000	20	N	N	10	<10
L182	150	N	N	N	<5	30	30	50	N	N	10	70
L183	1,000	N	N	N	<5	70	20	30	N	<10	15	70
L184	70	N	N	N	10	20	15	30	N	N	10	15
L185	300	N	N	N	7	<10	30	30	N	N	15	50
B199	150	<1.0	N	N	N	30	30	20	N	N	7	10
B200	300	<1.0	N	N	<5	30	20	20	N	<10	10	20
B201	300	1.5	N	N	7	30	20	30	N	<10	20	200
B201A	200	1.0	N	N	5	30	70	30	N	<10	15	N
B201B	300	1.0	N	N	7	50	20	30	N	<10	15	15
B192	300	1.0	N	N	7	30	15	30	N	<10	20	<10
B201C	70	N	N	N	N	10	20	N	N	<10	10	50
B202	500	1.0	N	N	10	70	30	50	N	N	10	10
182B	300	N	N	N	15	N	30	<20	N	N	10	20
185B	30	N	N	N	N	15	<5	N	N	N	<5	N
B262	N	N	N	N	N	N	15	N	N	N	N	N
L419	N	N	N	N	N	N	5	N	N	N	N	20
B-153	300	1.0	N	N	5	20	15	50	N	<10	7	<10
L-128	500	N	N	N	5	70	15	50	N	N	15	20
L125	300	1.0	N	N	5	30	15	50	N	<10	20	N
L127	50	N	N	N	7	30	15	50	N	15	15	20
L123	300	<1.0	N	N	10	30	30	30	N	<10	15	N
L116	150	N	N	N	N	<10	10	N	N	<10	5	<10
L117	<20	N	N	N	N	<10	30	<20	N	N	<5	<10
L118	100	N	N	N	N	<10	30	N	N	N	5	N
L119	3,000	1.0	N	N	10	30	15	30	N	<10	15	N
L120	2,000	2.0	N	N	5	50	500	70	N	10	15	N
L121	500	1.0	N	N	20	30	100	<20	N	<10	15	15
L122	>5,000	2.0	N	N	10	30	15	50	N	<10	10	N
L115	500	N	N	N	N	10	15	30	N	N	5	10

Choteau rock--continued

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
L331	N	N	N	N	N	N	N	N	50	N	.02
B246	N	7	N	N	50	N	20	N	200	N	.04
B247	N	7	N	N	30	N	30	N	200	N	.04
B248	N	7	N	N	100	N	70	N	100	N	.65
B249	N	5	N	N	50	N	50	N	200	N	.02
B250	N	10	N	N	50	N	50	N	300	N	<.02
B251	N	7	N	N	30	N	30	N	300	N	.04
B252	N	5	N	N	30	N	20	N	150	N	.02
B253	N	<7	N	N	30	N	15	N	150	N	.02
B254	N	N	N	N	70	N	15	N	150	N	.04
B255	N	5	N	N	30	N	20	N	50	N	.04
B256	N	5	N	N	50	N	20	N	300	N	.08
B257	N	5	N	N	30	N	20	N	300	N	.02
B258	N	7	N	N	70	N	50	N	300	N	.02
B259	N	7	N	N	50	N	30	N	100	N	<.02
L314	N	<5	N	N	15	N	10	N	100	N	.02
B260	N	10	N	N	50	N	30	N	200	N	<.02
L180	N	7	N	N	50	N	15	N	150	N	.06
L315	N	5	N	N	70	N	20	N	150	N	.04
L316	N	7	N	N	20	N	30	N	200	N	.04
L181	N	7	N	N	70	N	20	N	150	N	.12
L182	N	<5	N	N	20	N	30	N	100	N	.02
L183	N	N	N	N	30	N	20	N	<100	N	.06
L184	N	<5	N	N	15	N	20	N	100	N	.04
L185	N	<5	N	N	15	N	15	N	100	N	.13
B199	N	7	N	N	30	N	20	N	100	N	.04
B200	N	5	N	N	30	N	15	N	100	N	.06
B201	N	10	N	N	30	N	30	N	100	N	.08
B201A	N	10	N	N	30	N	20	N	150	N	.06
B201B	N	7	N	N	50	N	20	N	150	N	.16
B192	N	10	N	N	30	N	30	N	150	N	.07
B201C	N	5	N	N	20	N	20	N	70	N	.40
B202	N	10	N	N	30	N	70	N	500	N	.02
182B	N	N	N	N	10	N	<10	N	70	N	N
185B	N	N	N	N	20	N	N	N	20	N	.02
B262	N	N	N	N	10	N	N	N	N	N	.04
L419	N	N	N	N	10	N	N	N	N	N	<.02
B-153	N	5	N	N	15	N	10	N	150	N	N
L-128	N	5	N	N	30	N	15	N	150	N	N
L125	N	5	N	N	30	N	15	N	300	N	N
L127	N	N	N	N	20	N	10	N	70	N	N
L123	N	<5	N	N	30	N	20	N	300	N	N
L116	N	N	N	N	15	N	<10	N	100	N	N
L117	N	N	N	N	15	N	N	N	100	N	N
L118	N	<5	N	N	15	N	N	N	150	N	N
L119	N	5	N	N	70	N	30	N	150	N	N
L120	N	10	N	N	100	N	30	N	150	N	N
L121	N	N	N	N	20	N	30	N	N	N	N
L122	N	5	N	N	70	N	50	N	200	N	N
L115	N	N	N	N	15	N	<10	N	100	N	N

sample	Latitude	Longitude	MAP_NO.	S-FEZ	S-MG%	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
B962	47 15 39	113 13 29	386	1.00	.70	.30	.100	150	N	N	N	10
B442	47 15 4	113 17 10	387	.30	.30	<.05	.020	30	N	N	N	15
B443	47 15 21	113 17 12	387	.50	.30	<.05	.070	30	N	N	N	20
B444	47 15 44	113 17 8	387	.10	.30	<.05	.030	30	N	N	N	N
M442	47 15 37	113 21 46	388	3.00	1.00	.07	.300	500	N	N	N	30
M440	47 15 7	113 22 11	389	2.00	.70	.07	.200	200	N	N	N	30
M318	47 15 19	113 31 28	390	3.00	2.00	3.00	.200	500	N	N	N	70
M319	47 15 3	113 31 17	390	3.00	1.50	.10	.300	200	N	N	N	70
EF0169	47 16 1	112 22 2	391	5.00	1.00	2.00	.300	1,500	N	N	N	<10
FFD170	47 16 15	112 23 20	392	3.00	3.00	2.00	.300	1,000	N	N	N	N
JAF733	47 16 50	112 23 45	392	5.00	2.00	2.00	.700	700	N	N	N	N
AMS915	47 16 48	112 28 12	393	15.00	3.00	3.00	--	2,000	N	N	N	--
AMS916	47 16 0	112 29 0	394	>20.00	.30	1.00	--	2,000	5.0	5,000	--	--
AMS917	47 16 24	112 29 0	394	15.00	1.50	.20	--	200	15.0	N	--	--
JAF128	47 16 31	112 29 10	394	.15	.05	.50	--	15	N	N	N	50
791AR	47 16 41	112 30 34	395	1.00	--	.05	--	700	N	N	N	50
791BR	47 16 41	112 30 34	395	.10	--	<.05	--	20	10.0	N	N	20
791CR	47 16 41	112 30 34	395	.70	--	<.05	--	70	1.0	N	N	20
AMS920	47 16 15	112 30 45	395	3.00	7.00	20.00	--	5,000	2.0	N	--	--
AMS919	47 16 6	112 31 6	396	7.00	1.00	.20	--	200	1.0	N	--	--
L248	47 16 49	112 36 58	397	N	.70	20.00	.003	N	N	N	N	N
EFB303	47 16 0	112 38 0	398	1.00	10.00	10.00	.100	200	N	N	N	30
EFB304	47 16 0	112 38 0	398	.05	10.00	15.00	.002	150	N	N	N	<10
EFB305	47 16 0	112 38 0	398	1.00	10.00	10.00	.100	200	N	N	N	50
B225	47 16 38	112 40 30	399	2.00	3.00	3.00	.200	700	N	N	N	70
B226	47 16 21	112 40 56	399	.05	7.00	20.00	.030	20	N	N	N	10
B224	47 16 11	112 41 4	400	1.00	.70	.50	.100	500	N	N	N	70
B220	47 16 38	112 42 46	401	2.00	1.00	.07	.150	200	N	N	N	70
B221	47 16 38	112 42 29	401	.70	.10	N	.050	15	N	N	N	20
B222	47 16 27	112 42 17	401	.70	1.00	<.05	.070	70	N	N	N	70
B223	47 16 4	112 42 16	401	.30	.05	N	.070	50	N	N	N	<10
B-193	47 16 44	112 43 41	402	1.50	1.50	.15	.070	300	N	N	N	70
B-194	47 16 48	112 43 3	402	.50	.10	.10	.050	50	N	N	N	20
L332	47 16 5	112 43 55	402	1.00	.70	.05	.150	70	N	N	N	50
B213	47 16 40	112 48 58	403	3.00	2.00	10.00	.150	3,000	N	N	N	20
B215	47 16 31	112 48 51	403	3.00	1.00	15.00	.100	>5,000	N	N	N	20
B216	47 16 20	112 48 54	403	1.50	.70	1.00	.150	1,000	N	N	N	50
B210	47 16 49	112 49 38	404	1.00	.70	.10	.070	150	N	N	N	70
B211	47 16 50	112 49 17	404	2.00	1.50	.30	.150	300	N	N	N	30
B212	47 16 45	112 49 3	404	3.00	5.00	15.00	.150	2,000	N	N	N	30
B214	47 16 36	112 49 1	404	2.00	1.50	1.50	.200	1,500	N	N	N	30
B186	47 16 55	112 52 16	405	1.00	2.00	5.00	.100	300	N	N	N	15
B187	47 16 50	112 52 21	405	3.00	3.00	15.00	.200	5,000	N	N	N	30
B188	47 16 35	112 52 24	405	1.50	.50	7.00	.150	1,500	N	N	N	50
B189	47 16 28	112 52 34	405	5.00	1.50	20.00	.150	500	N	N	N	70
B190	47 16 18	112 53 3	406	2.00	5.00	10.00	.100	700	N	300	N	70
B191	47 16 3	112 53 25	406	7.00	5.00	<10.00	.150	1,000	N	N	N	100
L421	47 16 30	112 54 1	407	10.00	3.00	7.00	1.000	2,000	N	N	N	100
L422	47 16 13	112 54 29	407	3.00	1.00	1.50	.200	2,000	N	N	N	50
B181	47 16 10	112 57 10	408	<.05	1.00	15.00	.005	100	N	N	N	N

Choteau rock--continued

sample	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
B962	150	N	N	N	<5	15	N	N	N	N	7	N
B442	100	N	N	N	N	N	50	N	N	N	<5	N
B443	300	<1.0	N	N	N	10	50	N	N	N	5	10
B444	20	N	N	N	N	N	30	N	N	N	5	N
M442	200	1.0	N	N	15	30	15	30	N	N	30	10
M440	500	1.5	N	N	10	20	20	30	N	N	15	15
M318	700	1.5	N	N	10	50	5	30	N	N	20	N
M319	150	1.5	N	N	5	70	5	30	N	N	30	70
EFD169	2,000	5.0	N	N	15	10	5	--	5	N	7	10
EFD170	2,000	5.0	N	N	30	500	30	--	N	N	150	15
JAF733	1,000	1.0	N	N	50	500	30	50	7	N	300	15
AMS915	300	--	--	--	50	30	300	--	N	--	30	70
AMS916	300	--	--	--	20	<10	1,500	--	N	--	15	200
AMS917	300	--	--	--	N	30	200	--	N	--	10	500
JAF128	500	5.0	N	N	N	50	7	--	N	--	N	20
791AR	300	--	N	N	10	50	100	--	N	--	10	<10
791BR	>5,000	--	N	N	N	10	300	--	N	--	5	>20,000
791CR	1,500	--	N	N	7	30	10	--	N	--	5	70
AMS920	50	--	--	--	N	N	10	--	N	--	N	150
AMS919	300	--	--	--	15	20	50	--	15	--	20	150
L248	N	N	N	N	N	N	N	N	N	N	N	N
EFB303	100	5.0	N	N	5	30	7	--	N	N	20	<10
EFB304	<20	5.0	N	N	N	N	N	--	N	N	N	N
EFB305	100	5.0	N	N	7	30	7	--	N	N	20	10
B225	500	<1.0	N	N	7	70	10	20	N	<10	20	<10
B226	<20	N	N	N	N	50	10	<20	N	N	10	N
B224	500	1.0	N	N	5	30	20	30	N	N	10	10
B220	2,000	<1.0	N	N	7	50	10	30	N	<10	15	<10
B221	500	N	N	N	N	15	20	20	N	N	<5	<10
B222	500	1.0	N	N	N	10	7	<20	N	N	10	<10
B223	700	N	N	N	N	N	20	N	N	N	N	N
B-193	300	2.0	N	N	5	15	20	70	N	<10	10	10
B-194	300	<1.0	N	N	N	10	30	N	N	N	7	<10
L332	700	<1.0	N	N	5	10	100	<20	N	N	7	N
B213	700	<1.0	N	N	10	100	50	70	N	<10	15	30
B215	1,500	N	N	N	10	30	10	50	N	<10	10	20
B216	1,000	1.0	N	N	7	50	20	30	N	<10	15	<10
B210	500	1.0	N	N	5	20	15	<20	N	N	15	<10
B211	700	<1.0	N	N	7	30	20	20	N	10	15	10
B212	1,000	<1.0	N	N	10	70	200	70	N	<10	20	10
B214	300	1.0	N	N	10	70	30	70	N	10	5	15
B186	300	N	N	N	<5	15	100	N	N	N	10	10
B187	5,000	N	N	N	150	70	1,000	70	N	<10	30	70
B188	1,000	<1.0	N	N	5	15	20	30	N	N	15	<10
B189	700	N	N	N	30	30	50	<20	10	N	30	700
B190	150	<1.0	N	N	N	30	50	<20	N	<10	15	5,000
B191	300	1.5	N	N	50	50	200	70	70	<10	30	70
L421	700	<1.0	N	N	50	150	200	70	N	<10	50	15
L422	500	<1.0	N	N	10	30	15	30	N	<10	20	N
B181	N	N	N	N	N	N	N	N	N	N	N	N

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
B962	N	<5	N	N	15	N	15	N	100	N	<.02
B442	N	N	N	N	<10	N	N	N	70	N	<.02
B443	N	<5	N	N	10	N	N	N	15	N	.02
B444	N	<5	N	N	<10	N	N	N	70	N	<.02
M442	N	15	N	N	70	N	30	N	500	N	.04
M440	N	7	N	N	30	N	15	N	300	N	.02
M318	N	10	N	N	70	N	30	N	100	N	N
M319	N	15	N	N	100	N	30	N	100	N	.02
EFD169	N	7	N	N	100	N	30	N	50	--	N
EFD170	N	15	N	N	150	N	20	N	100	--	.02
JAF733	N	15	N	N	100	N	15	N	150	N	.02
AMS915	--	--	N	--	2,000	N	50	200	--	--	--
AMS916	--	--	N	--	2,000	N	30	200	--	--	--
AMS917	--	--	N	--	200	N	10	--	--	--	--
JAF128	N	--	N	--	30	N	10	N	--	--	.02
791AR	N	--	N	--	50	N	--	N	--	--	N
791BR	N	--	N	--	20	N	--	N	--	--	N
791CR	N	--	N	--	20	N	--	N	--	--	N
AMS920	--	--	N	--	70	N	--	200	--	--	N
AMS919	--	--	N	--	50	N	30	N	--	--	--
L248	N	N	N	N	10	N	<10	N	N	N	.02
EFB303	N	5	N	N	30	N	10	N	50	--	<.02
EFB304	N	N	N	N	N	N	15	N	N	--	N
EFB305	N	5	N	N	30	N	10	N	30	--	.04
B225	N	10	N	N	30	N	15	N	150	N	.02
B226	N	N	N	N	10	N	10	N	20	N	.02
B224	N	<5	N	N	15	N	10	N	100	N	.02
B220	N	7	N	N	30	N	15	N	200	N	.08
B221	N	N	N	N	10	N	<10	N	100	N	.04
B222	N	<5	N	N	10	N	<10	N	100	N	<.02
B223	N	N	N	N	10	N	N	N	200	N	<.02
B-193	N	5	N	N	50	N	N	N	150	N	N
B-194	N	N	N	N	10	N	<10	N	100	N	<.02
L332	N	7	N	N	15	N	10	N	150	N	.04
B213	N	7	N	N	15	N	70	N	300	N	.02
B215	N	5	N	N	15	N	30	N	150	N	.02
B216	N	7	N	N	30	N	30	N	150	N	.04
B210	N	<5	N	N	15	N	10	N	150	N	.02
B211	N	5	N	N	30	N	15	N	150	N	.04
B212	N	10	N	N	30	N	30	N	200	N	.04
B214	N	7	N	N	30	N	30	N	700	N	.06
B186	N	5	N	N	20	N	15	N	150	N	.02
B187	N	10	N	N	100	N	70	N	300	N	.22
B188	N	7	N	N	30	N	30	N	150	N	N
B189	N	N	N	N	30	N	20	N	150	N	.66
B190	N	7	N	N	20	N	20	<200	150	N	1.00
B191	N	<10	N	N	30	N	30	<200	200	N	.08
L421	N	30	N	N	200	N	30	N	150	N	<.02
L422	N	7	N	N	30	N	20	<200	100	N	.02
B181	N	N	N	200	10	N	N	N	N	N	N

Chateau rock--continued

sample	Latitude	Longitude	MAP_NO.	S-FEX	S-MGZ	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
L412	47 16 24	112 57 15	408	.07	1.00	20.00	.010	70	N	N	N	N
L413	47 16 20	112 57 29	408	1.00	1.00	20.00	.050	150	N	N	N	<10
L414	47 16 8	112 57 48	408	.10	1.00	20.00	.015	100	N	N	N	N
L415	47 16 6	112 57 11	408	.30	.30	20.00	.007	100	N	N	N	N
L416	47 16 13	112 58 0	409	.20	.02	.10	.500	200	N	N	N	10
L124	47 16 4	113 2 58	410	1.50	.70	.07	.100	300	N	N	N	30
L126	47 16 10	113 2 51	410	1.50	.03	N	.050	700	N	N	N	<10
M399	47 16 55	113 6 50	411	2.00	1.50	.30	.200	300	N	N	N	30
M476	47 16 52	113 14 57	412	.50	.50	<.05	.070	30	N	N	N	30
B445	47 16 4	113 17 11	413	2.00	1.50	.50	.150	1,000	N	N	N	30
B446	47 16 26	113 17 23	413	2.00	1.50	1.00	.200	500	N	N	N	30
M441	47 16 12	113 21 51	414	3.00	7.00	15.00	.200	1,500	N	N	N	30
M443	47 16 27	113 23 39	415	5.00	1.50	.07	.500	300	N	N	N	100
M310	47 16 23	113-24 30	416	2.00	.70	.07	.100	70	N	N	N	70
M309	47 16 29	113 26 7	417	.70	.30	<.05	.030	20	N	N	N	30
M308	47 16 23	113 27 34	418	3.00	1.50	.30	.300	300	N	N	N	100
B338	47 16 38	113 31 50	419	3.00	.70	15.00	.150	2,000	.7	N	N	50
B339	47 16 51	113 32 19	420	3.00	1.50	.07	.150	50	N	N	N	70
JAF711	47 16 0	113 42 20	421	.70	--	.07	--	30	N	N	N	--
AC2042	47 16 45	113 47 52	422	.20	.10	1.00	--	700	N	N	N	--
AC2043	47 16 53	113 47 18	422	7.00	3.00	.07	--	300	N	N	N	--
ADA059	47 16 22	113 49 51	423	1.50	.50	.70	--	700	N	N	N	--
ADA054	47 16 42	113 50 51	424	5.00	1.50	3.00	--	2,000	N	N	N	--
ADA055	47 16 40	113 50 48	424	7.00	.20	.07	--	100	<.5	N	N	--
ADA056	47 16 37	113 50 44	424	5.00	1.00	2.00	--	300	N	N	N	--
ADA057	47 16 28	113 50 41	424	3.00	5.00	.10	--	1,500	N	N	N	--
ADA058	47 16 25	113 50 40	424	1.00	1.00	.05	--	150	N	N	N	--
EFD171	47 17 22	112 0 33	425	5.00	1.50	3.00	.200	1,500	N	N	N	50
JAF743	47 17 0	112 11 0	426	10.00	3.00	2.00	.700	700	N	N	N	N
JAF734	47 17 42	112 14 8	427	7.00	3.00	2.00	.700	700	N	N	N	N
JAF732	47 17 5	112 23 22	428	10.00	1.00	1.50	1.000	1,500	N	N	N	30
EFD172	47 17 0	112 24 15	429	3.00	1.00	3.00	.300	1,500	N	N	N	30
AMS914	47 17 0	112 30 48	430	.10	.10	.10	--	70	7.0	N	N	--
L249	47 17 2	112 37 5	431	.30	5.00	20.00	.015	300	N	N	N	10
L250	47 17 9	112 37 8	431	.70	.30	20.00	.015	700	N	N	N	N
L251	47 17 15	112 37 7	431	.70	5.00	20.00	.020	300	N	N	N	N
L252	47 17 32	112 37 3	431	N	7.00	10.00	<.002	30	N	N	N	10
L244	47 17 34	112 39 7	432	<5.00	.50	20.00	.300	<300	1.5	N	N	15
L165	47 17 29	112 44 45	433	3.00	.50	.05	.070	100	N	N	N	70
L166	47 17 27	112 44 40	433	1.00	1.00	.20	.100	300	N	N	N	50
L167	47 17 25	112 44 19	433	1.00	1.00	.15	.100	500	N	N	N	30
L168	47 17 29	112 44 11	433	1.50	1.00	.70	.150	700	N	N	N	150
L164	47 17 39	112 45 48	434	3.00	.70	N	.500	500	N	N	N	20
B158	47 17 53	112 46 51	435	.70	1.00	20.00	.050	100	N	N	N	10
B157	47 17 40	112 47 15	436	1.00	1.00	15.00	.070	200	N	N	N	10
B185	47 17 19	112 51 56	437	1.50	.70	.30	.150	150	N	N	N	50
L411	47 17 32	112 56 24	438	.05	1.50	20.00	.005	30	N	N	N	N
L237	47 17 58	112 57 46	439	1.50	2.00	1.00	.200	300	N	N	N	100
L409	47 17 43	112 57 58	439	2.00	.70	2.00	.200	300	N	N	N	100
L410	47 17 44	112 57 20	439	10.00	5.00	7.00	.700	1,500	1.5	N	N	30

sample	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
L412	N	N	N	N	N	N	N	N	N	N	N	N
L413	30	N	N	N	<5	N	N	N	N	N	<5	N
L414	N	N	N	N	N	N	N	N	N	N	N	N
L415	N	N	N	N	N	N	N	N	N	N	N	N
L416	20	N	N	N	<5	N	N	N	N	N	N	N
L124	300	<1.0	N	N	5	50	50	50	N	<10	15	<10
L126	30	N	N	N	10	<10	50	<20	N	<10	20	N
M399	200	1.0	N	N	5	30	10	50	N	N	10	15
M476	500	<1.0	N	N	5	N	10	20	N	N	<5	N
B445	1,000	<1.0	N	N	15	15	70	N	N	N	20	20
B446	500	1.5	N	N	5	30	20	30	N	N	20	N
M441	500	1.0	N	N	10	30	15	20	5	N	20	30
M443	500	1.5	N	N	15	50	5	50	N	N	20	10
M310	150	1.0	N	N	N	20	10	N	N	N	20	15
M309	150	<1.0	N	N	N	<10	10	N	N	N	7	N
M308	200	3.0	N	N	15	70	5	30	N	N	30	20
B338	300	1.5	N	N	15	50	100	30	N	N	10	30
B339	30	1.0	N	N	5	50	10	50	N	N	15	N
JAF711	--	5.0	N	N	--	30	5	--	N	--	N	20
AC2042	1,000	--	--	--	N	10	20	--	N	--	10	N
AC2043	150	--	--	--	15	30	100	--	N	--	30	10
ADA059	300	--	--	--	7	50	10	--	N	--	15	700
ADA054	500	--	--	--	20	50	20	--	N	--	70	N
ADA055	200	--	--	--	20	30	15	--	7	--	7	70
ADA056	200	--	--	--	70	30	20	--	N	--	30	N
ADA057	150	--	--	--	15	50	10	--	N	--	30	300
ADA058	20	--	--	--	5	10	10	--	N	--	10	150
EFD171	1,500	5.0	N	N	20	30	50	--	5	N	20	20
JAF743	2,000	N	N	N	50	300	70	70	<5	N	15	15
JAF734	5,000	<1.0	N	N	50	500	50	100	N	N	300	30
JAF732	70	1.0	N	N	20	70	10	100	N	N	10	15
EFD172	1,000	5.0	N	N	15	15	10	--	N	N	7	15
AMS914	300	--	--	--	N	<10	50	--	N	--	N	>5,000
L249	N	N	N	N	N	N	N	N	N	N	20	N
L250	N	N	N	N	N	N	N	N	N	N	10	N
L251	<20	N	N	N	7	N	N	<20	N	N	15	N
L252	N	N	N	N	N	N	N	N	N	N	N	N
L244	N	N	N	N	10	100	50	N	N	N	70	N
L165	>5,000	2.0	N	N	N	10	10	20	N	<10	10	<10
L166	1,000	2.0	N	N	5	10	70	30	N	10	15	10
L167	700	1.0	N	N	5	10	50	20	N	N	10	N
L168	5,000	2.0	N	N	N	30	70	<20	N	<10	7	20
L164	700	<1.0	N	N	15	150	30	100	N	N	30	N
B158	50	N	N	N	N	20	5	<20	N	N	7	10
B157	300	N	N	N	<5	30	100	20	N	N	10	20
B185	1,000	<1.0	N	N	N	30	7	N	N	N	15	<10
L411	N	N	N	N	N	N	N	N	N	N	N	N
L237	1,000	1.5	N	N	7	30	15	50	N	10	15	30
L409	700	1.0	N	N	10	50	5	30	N	<10	15	15
L410	1,000	1.5	N	N	70	150	1,500	50	N	N	70	15

Choteau rock--continued

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
L412	N	N	N	300	N	N	N	N	N	N	.02
L413	N	N	N	300	10	N	N	N	10	N	<.02
L414	N	N	N	300	<10	N	N	N	N	N	.02
L415	N	N	N	300	N	N	N	N	N	N	<.02
L416	N	7	N	N	20	N	10	N	300	N	<.02
L124	N	5	N	N	30	N	15	N	200	N	N
L126	N	5	N	N	20	N	N	N	70	N	N
M399	N	7	N	N	70	N	15	N	700	N	N
M476	N	N	N	N	10	N	10	N	150	N	N
M445	N	<7	N	N	30	N	15	N	200	N	.08
B446	N	10	N	N	50	N	30	N	150	N	N
M441	N	10	N	150	70	N	30	N	150	N	.06
M443	N	15	N	N	150	N	30	N	700	N	<.02
M310	N	5	N	30	30	N	10	N	100	N	.05
M309	N	N	N	15	15	N	N	N	100	N	.02
M308	N	15	N	150	30	N	30	N	100	N	.04
B338	N	15	N	70	70	N	30	N	70	N	.07
B339	N	10	N	N	70	N	15	N	150	N	N
JAF711	N	--	N	--	30	N	--	N	--	N	.06
ACZ042	--	--	N	--	10	N	10	N	--	--	--
ACZ043	--	--	N	--	70	N	20	N	--	--	--
ADA059	--	--	N	--	50	N	15	N	--	--	--
ADA054	--	--	N	--	50	N	100	N	--	--	--
ADA055	--	--	N	--	30	N	50	N	--	--	--
ADA056	--	--	N	--	50	N	70	N	--	--	--
ADA057	--	--	N	--	50	N	30	N	--	--	--
ADA058	--	--	N	--	10	N	70	N	--	--	--
EFD171	N	15	N	1,000	150	N	15	N	30	--	<.02
JAF743	N	15	N	1,000	100	N	15	N	70	--	.04
JAF734	N	15	N	1,500	100	N	15	N	100	N	.06
JAF732	N	15	N	<100	200	N	30	300	300	N	.04
EFD172	N	10	N	1,500	100	N	20	N	50	--	<.02
AMS914	--	--	N	--	10	N	<10	200	--	--	--
L249	N	N	N	200	10	N	N	N	N	N	.04
L250	N	N	N	300	10	N	<10	N	N	N	.04
L251	N	N	N	100	<10	N	<10	N	N	N	<.02
L252	N	N	N	N	N	N	N	N	N	N	.04
L244	N	N	N	300	70	N	20	<200	N	N	.04
L165	N	5	N	500	30	N	15	N	100	N	.02
L166	N	5	N	N	30	N	30	N	150	N	<.02
L167	N	<5	N	N	20	N	15	N	150	N	<.02
L168	N	N	N	N	50	N	30	N	300	N	.04
L164	N	N	N	N	30	N	50	N	700	N	.06
B158	N	N	N	500	15	N	10	N	30	N	N
B157	N	N	N	500	10	N	10	N	100	N	N
B185	N	7	N	<100	50	N	20	N	150	N	N
L411	N	N	N	200	N	N	N	N	N	N	<.02
L237	N	15	N	N	70	N	30	N	150	N	.02
L409	N	10	N	200	70	N	30	N	150	N	<.02
L410	N	30	N	700	200	N	50	N	300	.08	.06

sample	Latitude	Longitude	MAP_NO.	S-FEX	S-MGX	S-CAX	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
L238	47 17 43	112 58 31	440	1.50	.50	.30	.150	50	N	N	N	50
B379	47 17 39	113 0 25	441	.70	.70	>20.00	.070	150	N	N	N	30
L150	47 17 37	113 0 28	441	.70	1.00	20.00	.030	100	N	N	N	<10
L151	47 17 4	113 0 31	441	.70	1.00	20.00	.030	150	N	N	N	<10
B356	47 17 53	113 1 50	442	1.50	3.00	10.00	.070	700	N	N	N	30
M404	47 17 0	113 3 53	443	.70	.03	.70	.030	300	N	N	N	20
M401	47 17 1	113 5 48	444	3.00	1.00	.05	.150	300	N	N	N	30
M402	47 17 5	113 5 28	444	3.00	1.50	<.50	.100	500	N	N	N	50
M403	47 17 12	113 5 3	444	.70	2.00	<20.00	.100	200	N	N	N	N
M419	47 17 44	113 7 46	445	1.50	1.00	.30	.300	150	N	N	N	70
M474	47 17 54	113 15 36	446	1.50	1.00	.50	.200	500	N	N	N	30
M475	47 17 13	113 15 4	446	2.00	1.00	1.00	.300	700	N	N	N	30
M437	47 17 10	113 19 17	447	3.00	2.00	1.00	.300	700	N	N	N	30
M446	47 17 43	113 20 38	448	2.00	7.00	3.00	.150	700	N	N	N	70
M445	47 17 59	113 22 18	449	2.00	2.00	2.00	.100	500	N	N	N	N
B343	47 17 45	113 30 46	450	3.00	5.00	5.00	.150	300	N	N	N	150
B341	47 17 18	113 31 50	451	10.00	3.00	10.00	.100	300	<.5	N	N	150
B342	47 17 30	113 31 15	451	1.50	3.00	.07	.100	70	N	N	N	70
B344	47 17 51	113 31 18	451	3.00	3.00	5.00	.150	700	N	N	N	70
B340	47 17 3	113 32 8	452	5.00	3.00	.70	.200	200	N	N	N	100
AC2920	47 17 3	113 45 36	453	7.00	1.50	.10	--	700	N	N	--	--
ADA070	47 17 5	113 46 49	454	.30	.30	.15	--	70	N	N	--	--
ADA071	47 17 3	113 46 18	454	5.00	5.00	2.00	--	300	N	N	--	--
ADA949	47 17 21	113 48 56	455	3.00	1.00	3.00	--	1,500	N	N	--	--
ADA950	47 17 21	113 48 56	455	3.00	1.50	15.00	--	2,000	N	N	--	--
ADA951	47 17 20	113 48 53	455	3.00	2.00	15.00	--	>5,000	N	N	--	--
ADA952	47 17 21	113 48 48	455	2.00	1.50	15.00	--	>5,000	N	N	--	--
ADA953	47 17 21	113 48 45	455	3.00	2.00	20.00	--	5,000	N	N	--	--
ADA954	47 17 21	113 48 45	455	7.00	.50	1.00	--	1,500	N	N	--	--
AC2048	47 17 48	113 50 54	456	3.00	1.00	.07	--	200	N	N	--	--
AC2044	47 17 23	113 52 17	457	3.00	1.50	15.00	--	1,500	N	N	--	--
AC2045	47 17 51	113 52 4	457	.30	.30	.20	--	200	N	N	--	--
AC2046	47 17 51	113 52 4	457	1.00	.50	1.00	--	300	<.5	N	--	--
L242	47 18 0	112 38 29	458	N	7.00	7.00	N	15	N	N	N	N
L245	47 18 0	112 38 29	458	N	10.00	10.00	<.002	10	N	N	N	<10
L239	47 18 22	112 39 2	459	1.50	10.00	20.00	.150	300	N	N	N	50
L240	47 18 17	112 39 6	459	1.50	3.00	20.00	.020	100	N	N	N	N
L241	47 18 11	112 39 9	459	5.00	.70	20.00	.030	50	N	N	N	<10
L170	47 18 39	112 42 40	460	N	.70	20.00	.010	<70	N	N	N	N
L258	47 18 59	112 42 36	460	1.00	2.00	20.00	.070	150	N	N	N	30
L169	47 18 8	112 43 45	461	.30	.10	<.05	.030	<20	N	N	N	N
B163	47 18 42	112 45 50	462	1.50	1.00	.30	.150	300	N	N	N	30
B164	47 18 52	112 45 21	462	.30	.10	N	.030	<10	N	N	N	<10
B159	47 18 2	112 46 28	463	1.00	1.50	.05	.100	100	N	N	N	20
B160	47 18 11	112 46 23	463	3.00	.50	.07	.050	150	N	N	N	100
B161	47 18 23	112 46 17	463	3.00	3.00	.15	.200	700	N	N	N	100
B162	47 18 43	112 46 16	463	1.00	1.50	.20	.150	300	N	N	N	20
L452	47 18 20	112 48 31	464	.20	.50	20.00	.005	300	N	N	N	N
L259	47 18 38	112 49 41	465	N	7.00	15.00	.100	300	N	N	N	15
L260	47 18 49	112 49 42	465	2.00	7.00	15.00	.030	1,000	N	N	N	N

Choteau rock--continued

sample	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
L238	500	1.0	N	N	<5	20	15	50	N	10	15	<10
B379	30	<1.0	N	N	N	30	<5	N	N	N	7	N
L150	<20	N	N	N	N	15	<5	N	N	N	10	N
L151	<20	N	N	N	N	15	<5	N	N	N	10	N
B356	100	N	N	N	5	20	50	30	N	N	10	10
M404	<20	N	N	N	N	<10	15	N	N	N	5	N
M401	150	N	N	N	5	30	5	20	N	N	10	10
M402	150	N	N	N	10	15	15	20	N	N	15	N
M403	<20	N	N	N	N	<10	10	N	N	N	N	N
M419	300	1.5	N	N	<5	30	10	20	N	N	10	20
M474	500	1.5	N	N	5	30	10	20	N	N	10	N
M475	700	1.0	N	N	5	50	5	20	N	N	10	N
M437	300	1.5	N	N	10	50	10	30	N	N	15	15
M446	500	1.0	N	N	5	30	<5	30	N	N	15	30
M445	>5,000	<1.0	N	N	<5	15	30	20	N	N	15	N
B343	200	2.0	N	N	10	50	10	50	N	N	30	20
B341	3,000	<1.0	N	N	N	30	70	N	N	N	10	N
B342	300	1.0	N	N	7	30	15	N	N	N	15	N
B344	300	1.5	N	N	7	30	15	20	N	N	15	N
B340	700	2.0	N	N	15	70	5	30	N	N	30	N
AC2920	150	--	--	--	5	30	100	--	N	--	30	20
ADA070	30	--	--	--	N	<10	N	--	N	--	<5	70
ADA071	500	--	--	--	15	50	5	--	N	--	70	300
ADA949	150	--	--	--	70	70	30	--	<5	--	30	15
ADA950	150	--	--	--	30	30	50	--	7	--	20	70
ADA951	<20	--	--	--	5	<10	200	--	N	--	5	20
ADA952	70	--	--	--	30	50	1,500	--	N	--	15	70
ADA953	70	--	--	--	<5	30	20	--	N	--	10	150
ADA954	30	--	--	--	<5	10	70	--	7	--	10	N
AC2048	300	--	--	--	15	30	10	--	N	--	30	N
AC2044	200	--	--	--	5	20	15	--	N	--	30	10
AC2045	50	--	--	--	N	<10	15	--	N	--	7	<10
AC2046	500	--	--	--	5	30	300	--	N	--	7	100
L242	N	N	N	N	N	<10	N	N	N	N	N	N
L245	N	N	N	N	N	N	N	N	N	N	N	N
L239	70	N	N	N	N	50	15	<20	N	N	20	<10
L240	N	N	N	N	N	<10	N	N	N	N	7	N
L241	N	N	N	N	N	15	N	N	N	N	15	10
L170	N	N	N	N	N	N	N	N	N	N	<5	N
L258	30	N	N	N	N	30	N	<20	N	N	15	N
L169	300	N	N	N	N	<10	70	N	N	N	<5	<10
B163	700	<1.0	N	N	5	30	<5	20	N	<10	10	<10
B164	3,000	N	N	N	N	<10	<5	N	N	N	7	<10
B159	700	1.0	N	N	5	10	<5	N	N	<10	10	N
B160	150	3.0	N	N	N	10	10	N	N	10	5	20
B161	1,500	2.0	N	N	10	70	<5	70	N	<10	30	15
B162	1,500	<1.0	N	N	5	30	5	20	N	<10	10	N
L452	N	N	N	N	<5	20	<5	N	N	N	10	N
L259	700	N	N	N	7	N	15	<20	N	N	10	30
L260	<20	N	N	N	7	N	15	<20	N	N	10	300

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
L238	N	5	N	100	30	N	20	N	150	N	.02
B379	N	5	N	200	70	N	10	N	20	N	.03
L150	N	N	N	300	15	N	N	N	<10	N	N
L151	N	N	N	300	15	N	N	N	<10	N	N
B356	N	5	N	N	15	N	20	N	30	N	.02
M404	N	N	N	N	10	N	N	N	150	N	<.02
M401	N	5	N	N	70	N	10	N	200	N	<.02
M402	N	5	N	N	70	N	10	N	70	N	<.02
M403	N	7	N	N	50	N	N	N	100	N	N
M419	N	7	N	N	50	N	50	N	300	N	N
M474	N	7	N	N	30	N	20	N	300	N	N
M475	N	10	N	N	50	N	20	N	500	N	N
M437	N	15	N	N	70	N	20	N	150	N	.04
M446	N	10	N	N	70	N	20	N	70	N	.04
M445	N	5	N	500	30	N	10	N	100	N	.02
B343	N	15	N	<100	100	N	30	N	70	N	.06
B341	N	5	N	N	150	N	30	N	70	N	.12
B342	N	5	N	N	50	N	10	N	70	N	.04
B344	N	10	N	N	70	N	30	N	100	N	.06
B340	N	15	N	N	150	N	30	N	100	N	.04
ACZ920	--	--	N	--	70	N	20	N	--	--	--
ADA070	--	--	N	--	10	N	N	N	--	--	--
ADA071	--	--	N	--	70	N	30	N	--	--	--
ADA949	--	--	N	--	70	N	50	N	--	--	--
ADA950	--	--	N	--	70	N	30	N	--	--	--
ADA951	--	--	N	--	200	N	100	200	--	--	--
ADA952	--	--	N	--	30	N	50	N	--	--	--
ADA953	--	--	N	--	70	N	30	N	--	--	--
ADA954	--	--	N	--	150	N	10	N	--	--	--
AC2048	--	--	N	--	70	N	20	N	--	--	--
AC2044	--	--	N	--	30	N	20	N	--	--	--
AC2045	--	--	N	--	20	N	N	N	--	--	--
AC2046	--	--	N	--	30	N	15	N	--	--	--
L242	N	N	N	N	N	N	N	N	N	N	.06
L245	N	N	N	N	N	N	N	N	N	N	.06
L239	N	<5	N	N	30	N	N	N	N	N	<.02
L240	N	N	N	<100	15	N	N	N	N	N	.06
L241	N	N	N	300	50	N	N	N	<10	N	.02
L170	N	N	N	300	<10	N	N	N	N	N	.04
L258	N	<5	N	150	20	N	<10	N	N	N	.06
L169	N	N	N	N	10	N	N	N	70	N	.04
B163	N	5	N	N	15	N	15	N	150	N	N
B164	N	N	N	<100	<10	N	<10	N	70	N	N
B159	N	<5	N	N	15	N	10	N	150	N	N
B160	N	5	N	N	70	N	10	N	70	N	N
B161	N	<10	N	N	70	N	30	N	150	N	N
B162	N	5	N	100	15	N	20	N	150	N	N
L452	N	N	N	200	10	N	N	N	N	N	.02
L259	N	N	N	N	<10	N	N	N	N	N	<.02
L260	N	N	N	N	10	N	15	N	N	N	<.02

Choteau rock--continued

sample	latitude	longitude	MAP_NO.	S-FEZ	S-MGZ	S-CAX	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
L261	47 18 54	112 49 48	465	5.00	2.00	20.00	.300	1,000	N	N	N	100
L435	47 18 21	112 49 40	465	<.05	10.00	15.00	.007	50	N	N	N	<10
L436	47 18 25	112 50 8	466	.20	10.00	15.00	.005	70	N	N	N	<10
L437	47 18 42	112 50 23	466	<.05	10.00	15.00	.005	70	N	N	N	N
L438	47 18 44	112 51 6	467	.10	.70	20.00	.007	50	N	N	N	N
L448	47 18 44	112 51 54	467	.07	7.00	20.00	.007	100	N	N	N	N
L230A	47 18 41	112 55 51	468	3.00	5.00	7.00	.150	700	N	N	N	50
L231	47 18 28	112 55 59	468	5.00	3.00	15.00	.150	3,000	N	N	N	50
L232	47 18 25	112 55 50	468	5.00	1.50	15.00	.300	5,000	N	N	N	70
L233	47 18 20	112 56 15	469	1.50	.70	3.00	.200	1,500	N	2,000	N	50
L234	47 18 16	112 56 41	469	5.00	2.00	7.00	.200	1,500	N	N	N	50
L235	47 18 12	112 56 54	469	.70	1.50	20.00	.050	700	N	N	N	N
L142	47 18 54	112 58 25	470	2.00	1.00	20.00	.150	3,000	N	N	N	20
L143	47 18 48	112 58 30	470	.70	.20	7.00	.150	2,000	N	N	N	10
L144	47 18 43	112 58 37	470	3.00	1.00	.05	.200	200	N	N	N	50
L145	47 18 37	112 58 43	470	1.50	1.00	.70	.200	300	7.0	N	N	50
B380	47 18 25	112 59 54	471	2.00	1.00	.10	.150	200	N	N	N	30
B381	47 18 46	112 59 58	471	.20	.70	20.00	.030	70	N	N	N	N
M420	47 18 46	113 6 13	472	.50	1.00	>20.00	.015	150	N	N	N	N
M434	47 18 56	113 11 3	473	.50	.50	.70	.030	30	N	N	N	N
B449	47 18 50	113 13 56	474	1.50	.70	<.20	.150	200	N	N	N	30
B448	47 18 36	113 14 1	475	.70	.50	<.05	.050	15	N	N	N	15
M438	47 18 52	113 17 29	476	3.00	2.00	.20	.300	700	N	N	N	30
M447	47 18 11	113 19 40	477	3.00	3.00	2.00	.200	700	N	N	N	70
M444	47 18 3	113 23 22	478	3.00	7.00	2.00	.300	700	N	N	N	50
M448	47 18 2	113 25 16	479	2.00	3.00	1.00	.300	500	N	N	N	50
M450	47 18 6	113 25 58	479	3.00	1.00	.10	.300	100	N	N	N	100
ADA072	47 18 44	113 45 43	480	2.00	3.00	.10	---	70	N	N	---	---
AC2933	47 18 57	113 47 55	481	5.00	5.00	10.00	---	700	N	N	---	---
ADA957	47 18 24	113 47 6	481	3.00	1.50	10.00	---	1,500	N	N	---	---
AC2931	47 18 39	113 48 54	482	.70	.50	5.00	---	2,000	N	N	---	---
AC2932	47 18 56	113 48 0	482	7.00	5.00	2.00	---	1,500	N	N	---	---
AC2928	47 18 29	113 49 54	483	<.05	.10	.07	---	70	N	N	---	---
AC2929	47 18 38	113 49 11	483	5.00	1.50	7.00	---	2,000	N	N	---	---
AC2930	47 18 38	113 49 11	483	3.00	1.50	7.00	---	2,000	N	N	---	---
ADA956	47 18 18	113 49 18	483	.15	.03	.07	---	200	N	N	---	---
AC2927	47 18 24	113 50 4	484	1.50	.20	.15	---	700	N	N	---	---
AC2081	47 18 56	113 51 35	485	3.00	5.00	7.00	---	700	N	N	---	---
ADA092	47 18 44	113 51 37	485	2.00	3.00	3.00	---	500	N	N	---	---
ADA084	47 18 38	113 52 52	486	1.50	2.00	15.00	---	500	N	N	---	---
ADA085	47 18 35	113 52 27	486	1.00	2.00	15.00	---	1,000	N	N	---	---
ADA086	47 18 34	113 52 11	486	.70	2.00	20.00	---	700	N	N	---	---
AC2981	47 18 59	113 53 33	487	1.00	.70	7.00	---	100	N	N	---	---
ADA082	47 18 25	113 53 40	487	1.50	1.00	2.00	---	150	N	N	---	---
ADA083	47 18 22	113 53 24	487	2.00	2.00	3.00	---	300	N	N	---	---
ADA525	47 18 38	113 53 21	487	.50	.20	20.00	---	300	N	N	---	---
L253	47 19 47	112 41 55	488	.70	.70	1.50	.070	150	N	N	N	30
L254	47 19 33	112 41 37	488	1.00	1.50	2.00	.100	200	N	N	N	30
L255	47 19 20	112 41 20	488	1.50	5.00	7.00	.100	700	N	N	N	70
L256	47 19 22	112 42 14	489	.30	.70	20.00	.007	150	N	N	N	N

sample	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
L261	300	<1.0	N	N	10	100	30	30	N	<10	30	<10
L435	N	N	N	N	N	N	10	N	N	N	N	N
L436	N	N	N	N	N	N	<5	<5	N	N	N	N
L437	N	N	N	N	N	N	<5	N	N	N	N	N
L438	300	N	N	N	N	N	N	N	N	N	N	N
L448	N	N	N	N	N	N	<5	N	N	N	N	N
L230A	5,000	1.5	N	N	<5	30	150	<20	N	<10	15	<10
L231	300	<1.0	N	N	20	30	70	50	N	N	20	50
L232	2,000	<1.0	N	N	50	100	300	200	N	<10	20	300
L233	150	<1.0	N	N	7	30	100	50	N	<10	15	70
L234	3,000	<1.0	N	N	20	30	100	50	N	<10	20	50
L235	70	N	N	N	N	<10	10	30	N	N	N	20
L142	1,000	<1.0	N	N	10	15	30	70	N	<10	15	<10
L143	70	<1.0	N	N	<5	30	300	20	N	N	10	<10
L144	300	<1.0	N	N	7	50	10	30	N	10	15	<10
L145	500	<1.0	N	N	10	30	2,000	<20	100	<10	15	20
B380	5,000	1.0	N	N	10	30	20	20	N	N	10	N
B381	N	N	N	N	N	N	<5	N	N	N	N	N
M420	N	N	N	N	N	N	<5	N	N	N	N	N
M434	500	N	<10	N	N	10	10	N	N	N	7	N
B449	1,500	<1.0	N	N	<5	20	20	20	N	N	5	N
B448	300	<1.0	N	N	N	10	5	N	N	N	5	N
M438	300	1.0	N	N	15	50	20	30	N	N	50	<10
M447	300	1.5	N	N	<5	70	30	50	N	N	15	30
M444	1,000	1.0	N	N	5	30	15	30	<5	N	15	10
M448	300	1.0	N	N	10	50	70	30	7	N	20	50
M450	500	1.5	N	N	15	50	10	30	N	N	20	10
ADA072	70	--	--	--	10	15	N	--	N	--	30	70
ACZ933	200	--	--	--	20	70	50	--	N	--	50	10
ADA957	150	--	--	--	20	50	20	--	<5	--	30	70
ACZ931	150	--	--	--	<5	15	15	--	N	--	<5	<10
ACZ932	300	--	--	--	15	70	15	--	N	--	30	15
ACZ928	<20	--	--	--	N	N	7	--	N	--	5	N
ACZ929	150	--	--	--	5	30	1,500	--	N	--	30	<10
ACZ930	150	--	--	--	20	70	100	--	7	--	30	70
ADA956	20	--	--	--	<5	<10	30	--	5	--	7	N
ACZ927	150	--	--	--	<5	15	10	--	N	--	15	N
ACZ081	2,000	--	--	--	15	30	5	--	N	--	20	N
ADA092	700	--	--	--	15	70	5	--	N	--	30	<10
ADA084	150	--	--	--	10	30	5	--	N	--	20	<10
ADA085	100	--	--	--	15	30	5	--	N	--	10	<10
ADA086	70	--	--	--	10	<10	300	--	N	--	10	300
ACZ981	300	--	--	--	5	15	30	--	N	--	7	N
ADA082	300	--	--	--	10	15	15	--	N	--	15	<10
ADA083	300	--	--	--	15	50	10	--	N	--	30	10
ADA525	50	--	--	--	N	N	10	--	N	--	N	300
L253	3,000	1.0	N	N	<5	15	5	<20	N	<10	7	<10
L254	5,000	<1.0	N	N	<5	15	700	20	N	<10	10	10
L255	1,000	<1.0	N	N	7	20	10	20	N	<10	15	10
L256	N	N	N	N	N	N	N	N	N	N	15	N

Chateau rock--continued

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
L261	N	N	N	<300	50	N	15	N	N	N	.04
L435	N	N	N	N	<10	N	N	N	N	N	.04
L436	N	N	N	N	<10	N	N	N	N	N	.02
L437	N	N	N	N	<10	N	N	N	N	N	.02
L438	N	N	N	300	N	N	N	N	N	N	<.02
L448	N	N	N	150	<10	N	N	N	N	N	.04
L230A	N	N	N	<100	30	N	N	N	100	N	.04
L231	N	<7	N	200	70	N	20	N	200	N	.06
L232	N	<10	N	<200	100	N	150	N	>1,000	N	.06
L233	N	7	N	N	50	N	30	N	300	N	.04
L234	N	7	N	<100	30	N	30	N	300	N	.04
L235	N	<5	N	700	15	N	20	N	300	N	.04
L142	N	5	N	200	50	N	30	N	150	N	.50
L143	N	5	N	100	20	N	30	N	100	N	.03
L144	N	7	N	N	30	N	30	N	300	N	N
L145	N	7	N	150	50	N	20	N	200	N	.22
B380	N	7	N	500	70	N	15	N	150	N	.05
B381	N	N	N	300	50	N	N	N	N	N	N
M420	N	N	N	N	15	N	N	N	70	N	N
M434	N	N	N	N	30	N	20	N	300	N	<.02
B448	N	<5	N	N	10	N	N	N	100	N	.02
M438	N	7	N	N	50	N	30	N	200	N	.04
M447	N	7	N	N	70	N	30	N	300	N	<.02
M444	N	15	N	100	70	N	20	N	150	N	.02
M448	N	10	N	N	70	N	20	N	300	N	.02
M450	N	15	N	N	150	N	30	N	200	N	N
ADA072	--	--	N	--	20	N	15	N	--	--	--
ACZ933	--	--	N	--	70	N	20	N	--	--	--
ADA957	--	--	N	--	70	N	30	N	--	--	--
ACZ931	--	--	N	--	30	N	15	N	--	--	--
ACZ932	--	--	N	--	70	N	30	N	--	--	--
ACZ928	--	--	N	--	10	N	N	N	--	--	--
ACZ929	--	--	N	--	30	N	50	N	--	--	--
ACZ930	--	--	N	--	50	N	15	N	--	--	--
ADA956	--	--	N	--	20	N	N	N	--	--	--
ACZ927	--	--	N	--	30	N	15	N	--	--	--
ACZ081	--	--	N	--	50	N	30	N	--	--	--
ADA092	--	--	N	--	70	N	30	N	--	--	--
ADA084	--	--	N	--	50	N	30	N	--	--	--
ADA085	--	--	N	--	20	N	30	N	--	--	--
ADA086	--	--	N	--	15	N	50	500	--	--	--
ACZ981	--	--	15	--	30	N	10	N	--	--	--
ADA082	--	--	N	--	30	N	20	N	--	--	--
ADA083	--	--	N	--	70	N	20	N	--	--	--
ADA525	--	--	N	--	<10	N	15	N	--	--	--
L253	N	5	N	<100	10	N	<10	N	100	N	.06
L254	N	5	N	100	15	N	15	N	100	N	<.02
L255	N	7	N	100	20	N	20	N	100	N	.02
L256	N	N	N	200	<10	N	<10	N	N	N	.08

sample	latitude	longitude	MAP_NO.	S-FEX	S-MGX	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
L257	47 19 7	112 42 48	489	<.05	10.00	20.00	.003	70	N	N	N	N
L453	47 19 51	112 42 16	489	10.00	.20	10.00	.020	100	N	300	N	<10
B165	47 19 8	112 44 17	490	.70	.10	N	.050	<10	N	N	N	15
L129	47 19 56	112 46 36	491	3.00	1.50	.15	.300	150	1.0	N	N	150
L130	47 19 55	112 46 43	491	.20	.07	N	.007	<10	N	N	N	10
L516	47 19 7	112 47 42	492	2.00	1.00	.15	.150	200	N	N	N	20
L517	47 19 16	112 47 28	492	1.00	2.00	.07	.070	150	N	N	N	50
L518	47 19 29	112 47 2	492	.70	.10	N	.050	N	N	N	N	15
L186	47 19 56	112 48 22	493	1.00	.30	.07	.150	70	N	N	N	15
L187	47 19 52	112 49 2	494	1.50	.50	10.00	.150	200	N	N	N	20
L188	47 19 58	112 49 49	494	.20	.03	<.05	.100	15	N	N	N	N
L439	47 19 43	112 50 27	495	<.05	.50	20.00	.005	30	N	N	N	N
L451	47 19 21	112 51 34	496	.07	1.50	20.00	.005	70	N	N	N	N
L443	47 19 56	112 52 49	497	.50	10.00	15.00	.020	150	N	N	N	10
L447	47 19 19	112 52 27	497	.10	.50	20.00	.007	70	N	N	N	N
L449	47 19 44	112 53 58	498	3.00	5.00	15.00	.050	2,000	N	N	N	15
B166	47 19 19	112 54 12	499	.70	3.00	20.00	.030	300	N	N	N	N
L441	47 19 59	112 54 4	499	N	10.00	15.00	.003	50	N	N	N	N
L135	47 19 50	112 57 3	500.	1.50	.70	1.00	.150	300	.7	N	N	30
L136	47 19 51	112 57 10	500	1.50	1.00	1.00	.150	700	N	N	N	50
L137	47 19 43	112 57 28	500	1.50	.50	<.05	.070	50	N	N	N	30
L139	47 19 35	112 57 37	500	2.00	1.00	.15	.200	150	N	N	N	70
L140	47 19 4	112 58 16	501	3.00	3.00	5.00	.150	700	N	N	N	200
L141	47 19 0	112 58 20	501	2.00	1.00	10.00	.100	300	N	N	N	30
B382	47 19 30	113 0 1	502	.30	.70	>20.00	.070	70	N	N	N	N
M422	47 19 35	113 4 39	503	.10	.50	20.00	.010	150	N	N	N	N
M423	47 19 43	113 4 16	503	.30	.70	>20.00	.030	300	N	N	N	N
M421	47 19 8	113 5 11	504	.30	2.00	20.00	.015	70	N	N	N	N
B427	47 19 59	113 6 52	505	.10	.02	<.05	.300	20	N	N	N	N
B423	47 19 25	113 7 46	506	5.00	2.00	.20	.100	500	N	N	N	50
B424	47 19 35	113 7 39	506	3.00	2.00	.07	.100	150	N	N	N	70
B425	47 19 43	113 7 28	506	3.00	2.00	<.05	.100	150	N	N	N	50
B426	47 19 52	113 7 13	506	5.00	3.00	.07	.100	150	N	N	N	70
B420	47 19 2	113 8 50	507	1.50	1.50	.70	.150	500	N	N	N	50
B421	47 19 0	113 8 26	507	2.00	1.50	.10	.070	150	N	N	N	100
B422	47 19 13	113 8 2	507	.70	.70	<.05	.050	70	N	N	N	30
B417	47 19 18	113 9 52	508	1.00	1.50	.70	.050	300	N	N	N	20
B418	47 19 17	113 9 26	508	2.00	2.00	.30	.500	300	N	N	N	150
B419	47 19 10	113 9 13	508	3.00	2.00	1.50	.500	300	N	N	N	150
B438	47 19 23	113 10 41	509	.70	.50	.30	.070	50	N	N	N	100
B450	47 19 15	113 13 42	510	1.00	1.50	.50	.150	500	N	N	N	20
B451	47 19 51	113 13 15	510	1.50	1.00	1.00	.150	700	N	N	N	30
M464	47 19 18	113 15 47	511	.50	.30	.07	.100	20	N	N	N	10
M472	47 19 57	113 21 24	512	5.00	7.00	7.00	.200	700	N	N	N	30
B447	47 19 10	113 22 12	513	3.00	.70	.30	.300	300	N	N	N	50
M473	47 19 43	113 22 23	513	5.00	1.00	.70	.200	150	N	N	N	20
M449	47 19 28	113 24 13	514	3.00	1.00	.07	.300	300	N	N	N	50
M320	47 19 26	113 31 18	515	3.00	3.00	5.00	.200	700	N	N	N	70
M321	47 19 11	113 31 18	515	3.00	.70	.10	.200	150	N	N	N	100
M324	47 19 56	113 31 23	515	3.00	5.00	5.00	.150	500	.5	N	N	100

Choteau rock---continued

sample	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
L257	N	N	N	N	N	20	N	N	N	N	N	N
L453	20	1.5	N	N	10	30	70	N	N	N	100	10
B165	300	N	N	N	N	20	<5	N	N	N	5	<10
L129	1,500	2.0	N	N	20	100	70	70	50	<10	50	50
L130	200	N	N	N	N	N	N	N	N	N	7	N
L516	500	<1.0	N	N	5	20	10	30	N	N	10	<10
L517	200	<1.0	N	N	5	N	7	50	N	N	15	N
L518	200	N	N	N	N	N	15	<20	N	N	N	N
L186	500	N	N	N	N	20	70	<20	N	<10	<5	10
L187	700	N	N	N	7	70	30	30	N	N	15	15
L188	<20	N	N	N	N	<10	7	N	N	N	<5	10
L439	N	N	N	N	N	N	N	N	N	N	N	N
L451	N	N	N	N	N	N	N	N	N	N	N	N
L443	<20	N	N	N	N	<10	<5	N	N	N	<5	15
L447	N	N	N	N	N	N	10	N	N	N	N	N
L449	500	N	N	N	<5	20	N	N	N	N	10	15
B166	30	N	N	N	N	<10	N	N	N	N	N	10
L441	N	N	N	N	N	N	7	N	N	N	N	N
L135	200	1.5	N	N	5	30	150	20	N	<10	10	100
L136	500	1.5	N	N	5	30	200	<20	N	<10	15	10
L137	1,500	<1.0	N	N	N	15	30	<20	N	<10	7	<10
L139	300	<1.0	N	N	7	30	1,000	30	N	<10	15	N
L140	>5,000	3.0	N	N	10	50	1,000	30	N	<10	15	100
L141	>5,000	<1.0	N	N	N	30	200	30	N	<10	15	70
B382	70	N	N	N	N	10	<5	N	N	N	<5	N
M422	N	N	<10	N	N	N	<5	N	N	N	N	N
M423	N	N	N	N	N	N	<5	N	N	N	N	30
M421	N	N	N	N	N	N	<5	N	N	N	N	20
B427	N	N	N	N	N	N	10	N	N	N	<5	N
B423	200	1.5	N	N	15	20	20	20	N	N	30	N
B424	200	1.0	N	N	5	30	10	N	N	N	15	N
B425	150	1.0	N	N	5	20	30	20	N	N	15	N
B426	150	1.0	N	N	10	20	5	N	N	N	30	N
B420	300	N	N	N	N	30	<5	N	N	N	N	10
B421	300	2.0	N	N	5	15	5	N	N	N	7	N
B422	20	N	<10	N	N	10	20	N	N	N	5	N
B417	700	N	<10	N	5	15	<5	N	N	N	7	N
B418	1,500	1.5	N	N	5	30	20	N	N	N	10	10
B419	500	3.0	N	N	15	30	10	50	N	N	15	20
B438	150	1.0	N	N	N	10	15	N	N	N	5	N
B450	1,000	<1.0	N	N	N	20	50	N	N	N	5	N
B451	1,000	1.5	N	N	5	20	30	30	N	N	10	N
M464	300	N	N	N	N	10	10	N	N	N	<5	N
M472	>5,000	N	N	N	N	20	70	N	10	N	15	N
B447	700	1.0	N	N	15	30	10	30	N	N	30	N
M473	700	1.5	N	N	5	20	10	30	N	N	10	<10
M449	500	1.5	N	N	10	50	20	30	N	N	15	<10
M320	700	1.0	N	N	15	50	10	20	N	N	20	20
M321	150	2.0	N	N	5	50	<5	20	N	N	30	N
M324	150	1.5	N	N	15	70	10	20	N	N	20	10

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
L257	N	N	N	N	<10	N	N	N	N	N	.02
L453	N	N	N	150	200	N	<10	500	N	N	.04
B165	N	N	N	N	15	N	10	N	150	N	N
L129	N	<15	N	N	70	N	30	N	200	N	.55
L130	N	N	N	N	<10	N	<10	N	50	N	N
L516	N	N	N	N	30	N	15	N	200	.06	<.02
L517	N	5	N	N	20	N	20	N	50	.06	<.02
L518	N	N	N	N	<10	N	<10	N	100	.10	<.02
L186	N	N	N	N	10	N	10	N	150	N	<.02
L187	N	7	N	200	20	N	15	N	100	N	.02
L188	N	N	N	N	<10	N	20	N	300	N	.02
L439	N	N	N	200	<10	N	N	N	N	N	.02
L451	N	N	N	500	<10	N	N	N	N	N	.02
L443	N	N	N	N	15	N	N	N	N	N	<.02
L447	N	N	N	300	<10	N	N	N	N	N	.02
L449	N	N	N	200	15	N	20	N	30	N	.02
B166	N	N	N	700	<10	N	N	N	<10	N	<.02
L441	N	N	N	N	<10	N	N	N	N	N	N
L135	N	5	N	N	30	N	30	N	150	N	.02
L136	N	7	N	N	30	N	20	N	150	N	N
L137	N	N	N	N	20	N	15	N	100	N	N
L139	N	N	N	N	30	N	15	N	150	N	.05
L140	N	10	N	<1,000	70	N	20	N	150	N	N
L141	N	7	N	700	30	N	70	N	150	N	N
B382	N	N	N	300	70	N	N	N	30	N	.02
M422	N	N	N	300	70	N	N	N	N	N	<.02
M423	N	N	N	500	70	N	N	N	N	N	N
M421	N	N	N	300	70	N	N	N	N	N	<.02
B427	N	N	N	N	10	N	15	N	1,000	N	N
B423	N	5	N	N	50	N	20	N	200	N	<.02
B424	N	5	N	N	70	N	10	N	300	N	N
B425	N	5	N	N	70	N	10	N	70	N	<.02
B426	N	5	N	N	70	N	20	N	100	N	N
B420	N	5	N	N	30	N	10	N	200	N	N
B421	N	N	N	N	30	N	10	N	150	N	.04
B422	N	N	N	N	15	N	N	N	30	N	<.02
B417	N	N	N	N	20	N	10	N	70	N	N
B418	N	10	N	N	70	N	20	N	300	N	<.02
B419	N	10	N	N	70	N	50	N	200	N	.02
B438	N	5	N	N	20	N	N	N	150	N	N
B450	N	5	N	N	30	N	15	N	200	N	<.02
B451	N	10	N	N	50	N	30	N	150	N	.04
M464	N	<5	N	N	10	N	10	N	70	N	N
M472	N	15	N	500	100	N	70	N	300	N	.08
B447	N	10	N	<100	70	N	30	N	300	N	<.02
M473	N	7	N	N	30	N	15	N	150	N	.02
M449	N	15	N	N	70	N	30	N	300	N	.02
M320	N	10	N	N	70	N	30	N	100	N	.02
M321	N	15	N	<100	70	N	30	N	200	N	.02
M324	N	15	N	N	100	N	20	N	70	N	.03

Chateau rock--continued

sample	latitude	longitude	MAP_NO.	S-FEX	S-MGX	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
M323	47 19 54	113 32 12	516	5.00	.70	.10	.500	700	<.5	N	N	150
JAF712	47 19 45	113 36 20	517	1.00	--	.10	--	300	N	N	N	--
JAF713	47 19 45	113 36 20	517	.50	--	<.05	--	15	N	N	N	--
ADA073	47 19 22	113 45 36	518	5.00	3.00	3.00	--	700	N	N	--	--
ADA076	47 19 29	113 45 36	518	3.00	3.00	3.00	--	700	N	N	--	--
ACZ934	47 19 38	113 46 49	519	5.00	2.00	.30	--	150	N	N	--	--
ADA421	47 19 49	113 48 25	520	1.00	.70	1.50	--	1,000	N	N	--	--
ACZ078	47 19 46	113 52 23	521	2.00	1.50	10.00	--	1,500	N	N	--	--
ACZ079	47 19 42	113 52 5	521	2.00	2.00	3.00	--	700	N	N	--	--
ACZ982	47 19 10	113 53 11	522	2.00	1.50	.30	--	50	N	N	--	--
ACZ983	47 19 41	113 53 10	522	.70	.70	>20.00	--	700	N	N	--	--
JAF738	47 20 0	112 2 30	523	3.00	2.00	5.00	.200	1,500	N	N	N	10
JAF735	47 20 0	112 18 5	524	5.00	2.00	1.00	.300	500	N	N	N	N
AMS913	47 20 24	112 32 36	525	3.00	2.00	10.00	--	700	N	N	--	--
AMS909	47 20 30	112 35 54	526	.50	7.00	15.00	--	150	N	N	--	--
AMS910	47 20 30	112 35 54	526	.50	5.00	10.00	--	100	N	N	--	--
AMS911	47 20 40	112 35 15	526	.50	3.00	15.00	--	50	N	N	--	--
EFB306	47 20 0	112 35 0	526	5.00	1.00	.30	.300	100	N	N	N	100
L454	47 20 7	112 42 37	527	.10	1.00	20.00	.010	20	N	N	N	N
L455	47 20 7	112 42 58	527	<.05	10.00	10.00	<.002	70	N	N	N	10
L456	47 20 14	112 43 7	528	1.00	10.00	20.00	.100	70	N	N	N	70
L457	47 20 30	112 43 19	528	.20	10.00	15.00	.005	70	N	N	N	15
L134	47 20 55	112 45 47	529	N	10.00	7.00	<.002	30	N	N	N	<10
L464	47 20 58	112 45 28	529	.15	.50	20.00	.002	300	N	N	N	N
L131	47 20 0	112 46 33	530	.70	7.00	7.00	.070	3,000	N	N	N	70
L132	47 20 31	112 46 8	530	.30	7.00	10.00	.003	150	N	N	N	<10
L133	47 20 47	112 46 4	530	N	.30	20.00	.002	N	N	N	N	N
L190	47 20 38	112 48 43	531	3.00	1.00	.15	.200	700	N	N	N	100
L191	47 20 51	112 48 33	531	1.50	3.00	5.00	.200	1,500	N	N	N	30
L192	47 20 57	112 48 23	531	.20	.07	N	.015	<10	N	N	N	10
L189	47 20 14	112 49 55	532	.70	3.00	20.00	.020	500	N	N	N	N
L440	47 20 36	112 52 9	533	<2.00	10.00	15.00	.010	70	N	N	N	N
L446	47 20 6	112 52 4	533	.10	1.00	20.00	.010	100	N	N	N	N
L445	47 20 28	112 53 19	534	<.05	2.00	20.00	.005	50	N	N	N	N
L442	47 20 30	112 54 48	535	.20	.70	20.00	.007	70	N	N	N	N
L300	47 20 34	112 55 49	536	7.00	3.00	15.00	.200	>5,000	N	N	N	100
L301	47 20 29	112 55 30	536	1.50	3.00	20.00	.070	700	N	N	N	15
L302	47 20 40	112 55 56	536	.30	.07	<.05	.020	300	N	N	N	10
L303	47 20 45	112 56 0	537	3.00	.70	<.07	.300	70	N	N	N	70
M354	47 20 38	112 56 17	537	1.00	1.00	<.05	.150	150	N	N	N	30
B428	47 20 14	113 6 45	538	1.50	1.00	<.05	.070	100	N	N	N	30
B429	47 20 41	113 6 42	538	2.00	1.00	.10	.150	150	N	N	N	20
M430	47 20 1	113 9 43	539	<.05	1.50	>20.00	.010	30	N	N	N	N
B452	47 20 6	113 12 58	540	2.00	.50	5.00	.030	1,000	N	N	N	70
B453	47 20 19	113 12 47	540	1.50	.70	.05	.150	30	N	N	N	30
B454	47 20 31	113 12 46	540	.70	.70	.05	.030	15	N	N	N	20
B455	47 20 44	113 12 46	540	.10	.10	<.05	.020	50	N	N	N	N
M465	47 20 44	113 14 38	541	.20	.30	<.05	.150	20	N	N	N	10
M470	47 20 18	113 18 59	542	1.50	1.50	.20	.200	50	N	N	N	10
M471	47 20 6	113 20 10	543	2.00	3.00	5.00	.300	300	N	N	N	30

sample	S-BA	S-BE	S-BI	S-CD	S-CA	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
M323	300	3.0	N	N	10	70	10	70	N	N	20	N
JAF712	--	5.0	N	N	--	30	5	--	N	--	<5	20
JAF713	--	5.0	N	N	--	<10	5	--	N	--	N	20
ADA073	200	--	--	--	30	70	N	--	N	--	50	<10
ADA076	500	--	--	--	15	30	10	--	N	--	20	<10
ACZ934	200	--	--	--	20	70	10	--	N	--	50	<10
ADA421	700	--	--	--	7	15	30	--	N	--	15	N
ACZ078	300	--	--	--	5	30	15	--	N	--	7	10
ACZ079	700	--	--	--	20	50	10	--	N	--	30	<10
ACZ982	500	--	--	--	10	30	10	--	N	--	15	<10
ACZ983	50	--	--	--	15	<10	5	--	N	--	<5	10
JAF738	1,000	1.0	N	N	20	50	70	20	N	N	15	10
JAF735	1,000	1.0	N	N	15	200	7	30	N	N	70	20
AMS913	1,500	--	--	--	10	700	10	--	N	--	15	20
AMS909	70	--	--	--	5	30	<5	--	N	--	5	1,500
AMS910	50	--	--	--	N	30	<5	--	<5	--	7	>5,000
AMS911	--	--	--	--	<5	--	N	--	N	--	5	50
EFB306	700	5.0	N	N	15	150	50	--	N	N	100	20
L454	N	N	N	N	N	<10	N	N	N	N	<5	N
L455	N	N	N	N	N	N	<5	N	N	N	N	N
L456	30	N	N	N	N	N	<5	<20	N	N	10	<10
L457	N	N	N	N	N	N	5	N	N	N	N	N
L134	N	N	N	N	N	<10	N	N	N	N	N	N
L464	N	N	N	N	N	N	N	N	N	N	N	N
L131	300	N	N	N	7	70	10	<20	N	N	10	<10
L132	N	N	N	N	N	30	N	20	N	N	10	10
L133	N	N	N	N	N	20	N	N	N	N	N	N
L190	700	3.0	N	N	N	30	15	30	N	N	7	<10
L191	3,000	<1.0	N	N	7	30	150	50	N	<10	15	20
L192	3,000	N	N	N	N	<10	10	N	N	N	5	N
L189	50	N	N	N	N	N	<5	N	N	N	N	N
L440	N	N	N	N	N	N	<5	N	N	N	<5	N
L446	N	N	N	N	N	N	N	N	N	N	N	N
L445	N	N	N	N	N	N	N	N	N	N	N	N
L442	N	N	N	N	N	N	N	N	N	N	N	N
L300	1,500	N	N	N	N	N	N	N	N	N	N	N
L301	100	N	N	N	20	150	30	50	N	<10	70	15
L302	70	N	N	N	N	20	<5	<20	N	N	10	<10
L303	300	N	N	N	N	10	50	<20	N	N	<5	N
M354	700	<1.0	N	N	<5	50	20	100	N	<10	15	70
B428	300	N	N	N	N	15	100	70	N	N	5	N
B429	200	1.0	N	N	5	10	10	N	N	N	10	10
M430	N	N	<10	N	N	N	<5	N	N	N	N	N
B452	3,000	3.0	N	N	N	10	30	30	N	N	<5	N
B453	700	<1.0	N	N	N	15	10	50	N	N	<5	N
B454	300	<1.0	N	N	N	<10	10	N	N	N	5	N
B455	200	N	N	N	N	<10	30	N	N	N	<5	N
M465	300	N	N	N	N	10	15	N	N	N	<5	N
M470	700	<1.0	N	N	7	50	5	20	N	N	15	N
M471	1,000	1.5	N	N	5	50	30	30	N	N	15	10

Chateau rock--continued

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
M323	N	15	N	N	150	N	50	N	200	N	.04
JAF712	N	--	N	--	30	N	--	N	--	N	N
JAF713	N	--	N	--	30	N	--	N	--	N	<.02
ADA073	--	--	N	--	70	N	30	N	--	--	--
ADA076	--	--	N	--	50	N	30	N	--	--	--
AC2934	--	--	N	--	70	N	20	N	--	--	--
ADA421	--	--	N	--	30	N	15	N	--	--	--
AC2078	--	--	N	--	20	N	30	N	--	--	--
AC2079	--	--	N	--	70	N	15	N	--	--	--
AC2982	--	--	N	--	<10	N	15	N	--	--	--
AC2983	--	20	N	1,000	150	N	10	N	30	N	.02
JAF738	N	15	N	500	100	N	20	N	100	N	<.02
JAF735	--	--	N	--	70	N	<10	N	--	--	--
AMS913	--	--	N	--	30	N	<10	300	--	--	--
AMS909	--	--	N	--	100	N	N	1,500	--	--	--
AMS910	--	--	N	--	15	N	N	--	--	--	--
AMS911	--	--	N	--	200	N	20	N	100	--	.02
EFB306	N	15	N	150	<10	N	<10	N	N	N	.02
L454	N	N	N	300	<10	N	N	N	N	N	<.02
L455	N	N	N	<100	20	N	N	N	<10	N	<.02
L456	N	N	N	N	N	N	N	N	<10	N	.02
L457	N	N	N	N	N	N	N	N	N	N	.02
L134	N	N	N	N	<10	N	N	N	N	N	.02
L464	N	N	N	200	<10	N	15	N	100	N	N
L131	N	<5	N	N	<10	N	<10	N	<10	N	N
L132	N	N	N	100	<10	N	N	N	N	N	N
L133	N	N	N	150	<10	N	N	N	N	N	N
L190	N	N	N	<100	50	N	20	N	300	N	.04
L191	N	N	N	<100	20	N	30	N	200	N	.04
L192	N	N	N	<100	<10	N	<10	N	70	N	<.02
L189	N	N	N	500	<10	N	N	N	<10	N	.04
L440	N	N	N	N	15	N	N	N	N	N	<.02
L446	N	N	N	500	<10	N	N	N	N	N	.02
L445	N	N	N	300	10	N	N	N	N	N	.02
L442	N	N	N	500	<10	N	30	N	50	N	<.02
L300	N	N	N	N	70	N	10	N	30	N	<.02
L301	N	N	N	700	<10	N	15	N	50	N	<.02
L302	N	N	N	N	20	N	30	N	700	N	.04
L303	N	<7	N	N	30	N	20	N	150	N	.04
M354	N	<5	N	N	30	N	N	N	70	N	N
B428	N	N	N	N	20	N	10	N	200	N	N
B429	N	5	N	N	30	N	N	N	N	N	N
M430	N	N	N	100	50	N	N	N	100	N	.02
B452	N	5	N	100	70	N	30	N	150	N	.02
B453	N	<5	N	N	20	N	15	N	70	N	<.02
B454	N	N	N	N	10	N	15	N	70	N	N
B455	N	N	N	N	N	N	<10	N	70	N	<.02
M465	N	N	N	<100	30	N	10	N	100	N	<.02
M470	N	5	N	<100	70	N	30	N	150	N	.08
M471	N	20	N	N	N	N	N	N	N	N	N

sample	latitude	longitude	MAP_NO.	S-FEX	S-MGX	S-CAX	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
M459	47 20 36	113 25 46	544	3.00	.70	.07	.300	150	N	N	N	50
M460	47 20 51	113 26 57	545	1.00	.30	3.00	.150	3,000	N	N	N	20
M305	47 20 50	113 30 10	546	2.00	7.00	7.00	.100	700	N	N	N	70
M325	47 20 35	113 30 58	546	3.00	1.50	.07	.150	70	<.5	N	N	150
M322	47 20 4	113 32 28	547	3.00	.70	.07	.300	150	N	N	N	150
ADA416	47 20 2	113 47 21	548	3.00	1.50	.10	--	300	N	N	--	--
ADA140	47 20 10	113 49 33	549	2.00	1.00	.15	--	500	N	N	--	--
ADA142	47 20 28	113 49 30	549	3.00	2.00	2.00	--	1,000	N	N	--	--
ADA145	47 20 48	113 49 40	549	3.00	2.00	3.00	--	2,000	<.5	N	--	--
ADA146	47 20 47	113 49 32	549	.70	.30	.15	--	150	N	N	--	--
ADA138	47 20 23	113 50 8	550	1.50	.30	1.00	--	700	N	N	--	--
ADA139	47 20 23	113 50 8	550	7.00	1.50	.70	--	500	N	N	--	--
JAF736	47 21 0	112 18 7	551	1.50	.70	.70	--	200	N	N	--	--
L461	47 21 47	112 44 50	552	.30	.70	20.00	.300	100	N	N	N	10
L462	47 21 32	112 44 36	552	<.05	.50	20.00	.010	30	N	N	N	10
L463	47 21 17	112 44 12	552	.10	1.00	20.00	.010	30	N	N	N	N
L460	47 21 52	112 45 16	553	.20	.70	20.00	.015	700	N	N	N	N
L195	47 21 25	112 47 52	554	N	.70	>20.00	.010	<200	N	N	N	N
L196	47 21 27	112 47 22	554	<.02	.70	20.00	.005	50	N	N	N	10
L193	47 21 5	112 48 11	555	.30	.10	N	.030	<10	N	N	N	30
L194	47 21 15	112 48 6	555	1.50	.70	1.00	.100	1,000	N	N	N	<10
L262	47 21 8	112 51 28	556	.05	10.00	10.00	<.002	30	N	N	N	30
L263	47 21 42	112 51 9	556	1.50	10.00	10.00	.050	70	N	N	N	N
L264	47 21 53	112 51 1	556	3.00	.70	20.00	.010	1,500	N	N	N	N
L450	47 21 7	112 52 15	557	.30	1.50	20.00	.050	150	N	N	N	N
L444	47 21 7	112 53 40	558	<.05	1.50	20.00	.005	30	N	N	N	10
L305	47 21 8	112 55 53	559	.50	.30	.15	.050	300	N	N	N	15
L306	47 21 19	112 55 45	559	1.50	1.00	.10	.150	150	N	N	N	20
L307	47 21 33	112 55 38	559	.50	.70	1.50	.070	2,000	N	N	N	15
L308	47 21 49	112 55 36	559	1.50	.30	<.05	.150	70	N	N	N	30
L304	47 21 0	112 56 3	560	3.00	1.00	.05	.200	200	N	N	N	20
M355	47 21 2	112 56 32	560	1.50	.30	.05	.150	50	N	N	N	150
M355A	47 21 18	112 57 1	561	2.00	1.00	1.50	.300	3,000	N	N	N	150
M356	47 21 15	112 57 26	561	3.00	2.00	.20	.070	300	N	N	N	30
L146	47 21 15	112 58 48	562	.70	3.00	20.00	.050	700	.7	N	N	15
L147	47 21 10	112 58 53	562	1.00	3.00	20.00	.030	500	N	N	N	N
M357	47 21 4	112 58 6	562	.10	.50	20.00	.300	20	N	N	N	100
L148	47 21 1	112 59 3	563	3.00	3.00	10.00	.015	1,000	1.0	N	N	30
B433	47 21 41	113 5 34	564	.50	.50	<.05	.500	70	N	N	N	150
B434	47 21 55	113 5 11	564	5.00	3.00	.50	.500	1,500	N	N	N	150
B430	47 21 7	113 6 34	565	3.00	3.00	3.00	.500	700	N	N	N	150
B431	47 21 3	113 6 16	565	3.00	2.00	.30	.500	300	N	N	N	100
B432	47 21 45	113 6 7	565	.70	1.00	.20	.070	500	N	N	N	50
B456	47 21 30	113 12 17	566	2.00	1.50	.30	.200	700	N	N	N	100
B346	47 21 55	113 18 9	567	5.00	.70	.07	.300	150	N	N	N	70
M451	47 21 52	113 28 40	568	2.00	5.00	<20.00	.200	700	N	N	N	50
M461	47 21 6	113 28 21	568	3.00	2.00	2.00	.300	700	N	N	N	50
M302	47 21 39	113 31 52	569	3.00	1.50	15.00	.150	700	<.5	N	N	50
M303	47 21 22	113 31 31	569	3.00	7.00	15.00	.150	5,000	N	N	N	70
M304	47 21 6	113 31 7	569	3.00	.30	.07	.150	300	N	N	N	N

Chateau rock--continued

sample	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
M459	150	1.0	N	N	10	50	15	30	N	N	20	N
M460	500	<1.0	N	N	N	15	5	N	N	N	5	N
M305	70	1.5	N	N	N	50	10	N	N	N	20	N
M325	200	3.0	N	N	5	70	10	20	N	N	20	30
M322	200	2.0	N	N	15	70	5	50	N	N	30	10
ADA416	500	--	--	--	30	70	10	--	N	--	50	<10
ADA140	200	--	--	--	15	20	15	--	N	--	50	<10
ADA142	150	--	--	--	10	30	15	--	N	--	30	10
ADA145	100	--	--	--	15	30	150	--	N	--	50	15
ADA146	150	--	--	--	5	N	10	--	N	--	7	<10
ADA138	100	--	--	--	5	<10	15	--	N	--	10	N
ADA139	300	--	--	--	20	70	10	--	N	--	70	10
JAF736	1,000	2.0	--	--	7	50	<5	50	N	N	50	70
L461	N	N	N	N	N	10	N	N	N	N	<5	N
L462	N	N	N	N	N	N	5	N	N	N	<5	N
L463	N	N	N	N	N	N	N	N	N	N	N	N
L460	N	N	N	N	N	<10	N	N	N	N	<5	N
L195	N	N	N	N	N	15	<5	N	N	N	15	<10
L196	N	N	N	N	N	N	N	N	N	N	N	N
L193	300	N	N	N	N	<10	15	<20	N	<10	5	N
L194	2,000	<1.0	N	N	<5	30	20	30	N	N	15	<10
L262	N	N	N	N	N	N	N	N	N	N	N	N
L263	N	N	N	N	N	20	10	N	N	N	15	30
L264	30	N	N	N	N	<10	7	20	N	N	5	N
L450	N	N	N	N	N	N	N	N	N	N	N	N
L444	N	N	N	N	N	N	N	N	N	N	N	N
L305	300	<1.0	N	N	N	10	10	<20	N	<10	<5	N
L306	300	N	N	N	N	15	20	30	N	<10	7	N
L307	300	1.0	N	N	5	15	20	20	N	N	7	N
L308	200	1.0	N	N	<5	20	20	20	N	<10	5	N
L304	200	<1.0	N	N	7	20	50	20	N	<10	20	N
M355	100	<1.0	N	N	5	20	50	30	N	N	5	N
M355A	300	3.0	N	N	20	20	15	20	N	N	7	N
M356	5,000	3.0	N	N	10	30	70	N	N	N	15	15
L146	300	<1.0	N	N	7	<10	<5	50	N	N	5	1,500
L147	100	N	N	N	N	N	5	30	N	N	<5	10
M357	30	<1.0	N	N	7	30	20	50	N	<10	15	<10
L148	300	<1.0	N	N	N	30	15	N	N	N	5	N
B433	50	N	N	N	5	50	10	50	N	N	15	10
B434	3,000	1.5	N	N	5	50	5	50	N	N	30	10
B430	200	3.0	N	N	5	30	20	20	N	N	30	10
B431	500	2.0	N	N	10	30	20	50	N	N	10	10
B432	300	1.0	N	N	15	10	<5	N	N	N	10	10
B456	700	1.0	N	N	15	50	150	50	N	N	30	20
B346	300	1.5	N	N	15	30	10	20	N	N	20	70
M451	>5,000	1.5	N	N	7	30	70	30	N	N	15	10
M461	500	1.5	N	N	5	30	200	20	N	N	30	70
M302	150	1.5	N	N	30	70	20	20	15	N	15	20
M303	5,000	1.5	N	N	20	70	20	70	<5	N	15	20
M304	200	1.5	N	N	30	30	15	30	N	N	15	N

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
M459	N	10	N	N	30	N	20	N	300	N	N
M460	N	<5	N	N	20	N	15	N	200	N	.04
M305	N	10	N	N	70	N	20	N	70	N	.04
M325	N	15	N	N	100	N	30	N	100	N	.04
M322	N	15	N	N	150	N	30	N	500	N	.03
ADA416	--	--	N	--	100	N	20	N	--	--	--
ADA140	--	--	N	--	50	N	30	N	--	--	--
ADA142	--	--	N	--	70	N	50	N	--	--	--
ADA145	--	--	N	--	70	N	20	N	--	--	--
ADA146	--	--	N	--	20	N	N	N	--	--	--
ADA138	--	--	N	--	30	N	15	N	--	--	--
ADA139	--	--	N	--	70	N	30	N	--	--	--
JAF736	N	5	N	700	30	N	<10	N	150	N	N
L461	N	N	N	700	10	N	10	N	N	N	<.02
L462	N	N	N	300	<10	N	N	N	N	N	.02
L463	N	N	N	500	<10	N	N	N	N	N	.02
L460	N	N	N	300	N	N	15	N	<10	N	<.02
L195	N	N	N	300	<10	N	N	N	N	N	<.02
L196	N	N	N	300	<10	N	<10	N	N	N	<.02
L193	N	N	N	N	10	N	N	N	70	N	.04
L194	N	<5	N	<100	20	N	20	N	200	N	.04
L262	N	N	N	N	<10	N	N	N	N	N	<.02
L263	N	N	N	N	15	N	15	N	N	N	<.02
L264	N	N	N	200	<10	N	N	N	<10	N	.02
L450	N	N	N	500	<10	N	N	N	N	N	.04
L444	N	N	N	N	10	N	20	N	150	N	.02
L305	N	N	N	N	20	N	10	N	300	N	<.02
L306	N	N	N	N	20	N	30	N	100	N	.09
L307	N	N	N	N	20	N	10	N	150	N	<.02
L308	N	N	N	N	30	N	15	N	150	N	<.02
L304	N	5	N	N	30	N	20	N	150	N	N
M355	N	5	N	N	30	N	30	N	70	N	N
M355A	N	7	N	N	70	N	70	N	150	N	.02
M356	N	15	N	N	10	N	20	N	<100	N	.04
L146	N	<5	N	200	15	N	15	N	20	N	.04
L147	N	5	N	300	50	N	N	N	<10	N	.02
M357	N	5	N	N	<10	N	30	N	300	N	N
L148	N	10	N	N	70	N	N	N	20	N	.02
B433	N	7	N	150	70	N	30	N	500	N	<.02
B434	N	15	N	N	70	N	30	N	300	N	<.02
B430	N	10	N	N	70	N	20	N	500	N	<.02
B431	N	5	N	N	20	N	30	N	150	N	<.02
B432	N	15	N	N	70	N	30	N	300	N	.02
B456	N	15	N	N	70	N	30	N	150	N	.02
B346	N	<15	N	N	50	N	15	N	300	N	.04
M451	N	7	N	N	30	N	30	N	200	N	N
M461	N	7	N	150	70	N	30	N	70	N	.06
M302	N	15	N	N	100	N	50	N	200	N	.03
M303	N	10	N	N	50	N	30	N	100	N	.05
M304	N	7	N	N	50	N	30	N	N	N	N

Choteau rock--continued

sample	Latitude	Longitude	MAP_NO.	S-FEX	S-MGX	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
M300	47 21 10	113 33 15	570	1.50	.50	<.05	.150	20	N	N	N	70
M301	47 21 34	113 33 8	570	3.00	2.00	.15	.300	150	N	N	N	100
ADA061	47 21 51	113 48 52	571	1.50	3.00	5.00	--	300	N	N	--	--
ADA062	47 21 51	113 48 52	571	2.00	2.00	1.00	--	500	N	N	--	--
ADA063	47 21 51	113 48 52	571	3.00	5.00	10.00	--	700	N	N	--	--
ACZ915	47 21 17	113 49 57	572	.10	.03	.10	--	300	N	N	--	--
ACZ916	47 21 15	113 49 45	572	3.00	1.50	20.00	--	3,000	N	N	--	--
ACZ917	47 21 14	113 49 45	572	1.50	1.00	10.00	--	1,500	N	N	--	--
ACZ918	47 21 14	113 49 25	572	2.00	1.50	1.00	--	200	N	N	--	--
ACZ919	47 21 21	113 49 22	572	2.00	2.00	.70	--	300	N	N	--	--
ADA060	47 21 32	113 49 16	572	3.00	5.00	10.00	--	700	N	N	--	--
ACZ925	47 21 29	113 50 48	573	7.00	1.50	.10	--	200	N	N	--	--
ACZ984	47 21 18	113 53 18	574	2.00	3.00	15.00	--	500	N	N	--	--
EFB173	47 22 0	112 4 15	575	3.00	2.00	3.00	.200	1,500	N	N	N	70
JAF737	47 22 45	112 5 0	576	.70	5.00	20.00	.100	700	.5	N	N	15
EFB307	47 22 0	112 36 0	577	3.00	1.00	.20	.500	100	N	N	N	200
AMS906	47 22 18	112 41 48	578	5.00	2.00	2.00	--	1,500	N	N	--	--
AMS907	47 22 6	112 42 30	579	10.00	.70	15.00	--	5,000	2.0	N	--	--
B313	47 22 23	112 44 34	580	.15	10.00	20.00	.007	150	N	N	N	150
L458	47 22 14	112 44 12	580	1.50	.50	15.00	.150	150	N	N	N	50
L459	47 22 6	112 45 46	581	.50	3.00	20.00	.050	200	N	N	N	50
L274	47 22 18	112 48 56	582	.10	.50	20.00	.007	200	N	N	N	15
L471	47 22 46	112 48 1	582	<.05	1.50	20.00	.005	30	N	N	N	N
L269	47 22 6	112 49 52	583	1.00	.50	.10	.100	300	N	N	N	20
L270	47 22 9	112 49 32	583	.20	<.02	<.05	.005	N	N	N	N	N
L271	47 22 16	112 49 29	583	.70	.30	.05	.070	700	N	N	N	30
L272	47 22 14	112 49 20	583	1.50	.70	.10	.150	200	N	N	N	50
L273	47 22 19	112 49 13	583	.05	.50	20.00	.005	150	N	N	N	50
L268	47 22 3	112 50 5	584	1.50	.70	2.00	.150	700	N	N	N	20
B317	47 22 58	112 52 2	585	3.00	1.00	.10	.300	150	N	N	N	30
B522	47 22 40	112 54 58	586	1.50	.70	<.05	.100	300	N	N	N	10
B5182	47 22 58	112 55 1	587	.70	1.50	20.00	.070	200	N	N	N	10
B5192	47 22 54	112 55 9	587	7.00	.50	.07	.300	300	N	N	N	15
B5202	47 22 44	112 55 17	587	7.00	1.00	<.05	.150	300	N	N	N	30
B5212	47 22 21	112 55 16	587	1.50	.70	<.05	.070	100	N	N	N	10
B415	47 22 40	112 57 1	588	3.00	1.50	1.00	.200	300	N	N	N	100
B435	47 22 18	113 5 12	589	3.00	1.50	.07	.300	200	N	N	N	70
B436	47 22 24	113 5 10	589	10.00	1.50	<.10	1.000	300	N	N	N	150
B437	47 22 31	113 5 9	589	.70	3.00	>20.00	.010	300	N	N	N	N
B439	47 22 39	113 10 6	590	1.00	.50	.05	.070	30	N	N	N	70
M435	47 22 46	113 12 27	591	1.50	1.50	.15	.070	70	N	N	N	70
M436	47 22 59	113 12 33	591	3.00	2.00	.50	.300	300	N	N	N	50
B345	47 22 7	113 23 56	592	3.00	1.00	.10	.500	300	N	N	N	150
M457	47 22 47	113 23 16	592	5.00	1.50	.20	.300	500	N	N	N	50
M458	47 22 23	113 23 59	592	7.00	.70	.05	.300	3,000	N	N	N	70
M455	47 22 28	113 26 40	593	2.00	.70	.05	.300	200	N	N	N	50
M453	47 22 21	113 27 56	594	5.00	7.00	10.00	.200	5,000	N	N	N	30
M454	47 22 25	113 27 22	594	3.00	.70	1.50	.300	2,000	3.0	N	N	50
M452	47 22 6	113 28 14	595	2.00	1.00	.30	.300	300	5.0	N	N	70
AC2014	47 22 36	113 48 57	596	1.50	.20	.30	--	300	N	N	--	--

sample	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
M300	200	1.0	N	N	N	20	15	N	N	N	5	15
M301	150	2.0	N	N	N	70	50	50	N	N	50	20
ADA061	5,000	--	--	--	<5	15	15	--	N	--	10	300
ADA062	1,000	--	--	--	10	30	5	--	N	--	30	N
ADA063	500	--	--	--	10	70	15	--	N	--	20	700
AC2915	30	--	--	--	N	<10	15	--	N	--	<5	N
AC2916	3,000	--	--	--	5	30	10	--	N	--	7	10
AC2917	1,500	--	--	--	<5	<10	30	--	N	--	5	N
AC2918	700	--	--	--	15	30	10	--	N	--	30	N
AC2919	300	--	--	--	5	10	15	--	N	--	20	<10
ADA060	700	--	--	--	N	20	200	--	N	--	20	N
AC2925	300	--	--	--	30	70	N	--	N	--	50	10
AC2984	300	--	--	--	5	30	10	--	N	--	20	150
EF0123	1,500	5.0	N	N	20	50	70	--	5	N	20	20
JAF737	200	<1.0	N	N	N	100	<5	50	7	N	20	10
EFB307	300	5.0	N	N	15	150	30	--	N	N	50	15
AMS906	200	--	--	--	50	N	200	--	<5	--	15	N
AMS907	50	--	--	--	30	20	>5,000	--	5	--	20	30
B313	N	N	N	N	N	N	7	N	N	N	N	N
L458	100	N	N	N	<5	30	<5	20	N	N	15	<10
L459	N	N	N	N	N	10	N	N	N	N	10	N
L274	N	N	N	N	N	N	N	N	N	N	N	N
L471	N	N	N	N	N	N	N	N	N	N	N	N
L269	500	<1.0	N	N	N	20	<5	20	N	<10	5	N
L270	300	N	N	N	N	N	<5	N	N	N	<5	N
L271	300	N	N	N	N	N	N	N	N	N	5	N
L272	200	<1.0	N	N	5	30	<5	N	N	<10	10	<10
L273	N	1.0	N	N	N	N	N	N	N	N	N	N
L268	700	N	N	N	N	20	5	30	N	N	7	N
B317	500	N	N	N	10	70	70	50	N	<10	20	N
B522	300	N	N	N	5	15	10	50	N	N	7	N
B5182	<20	N	N	N	N	15	<5	20	N	N	<5	N
B5192	300	N	N	N	10	70	15	100	N	<10	10	30
B5202	200	<1.0	N	N	10	30	5	50	N	<10	15	<10
B5212	500	N	N	N	5	15	5	20	N	N	7	10
B415	500	1.5	N	N	5	50	30	20	N	N	15	10
B435	200	N	N	N	10	30	20	30	N	N	30	30
B436	1,000	N	N	N	15	150	30	100	N	N	<5	20
B437	N	N	N	N	N	<10	<5	N	N	N	5	N
B439	300	1.0	N	N	N	10	15	N	N	N	10	N
M435	150	1.0	N	N	N	20	20	N	N	N	20	10
M436	3,000	2.0	N	N	15	30	10	30	N	N	20	15
B345	150	2.0	N	N	7	70	10	70	N	N	20	15
M457	300	1.0	N	N	15	50	10	30	N	N	30	N
M458	300	1.5	N	N	N	30	30	50	N	N	<5	50
M455	300	1.0	N	N	7	30	20	30	15	N	15	20
M453	300	<1.0	N	N	15	30	1,000	30	N	N	15	70
M454	300	1.0	N	N	7	30	300	30	N	N	20	N
M452	300	1.5	N	N	10	50	3,000	30	30	N	20	700
AC2014	1,500	--	--	--	N	N	20	--	N	--	7	<10

Choteau rock--continued

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
M300	N	5	N	N	30	N	10	N	150	N	.04
M301	N	15	N	N	100	N	30	N	150	N	.05
ADA061	--	--	N	N	30	N	15	N	--	--	--
ADA062	--	--	N	N	50	N	15	N	--	--	--
ADA063	--	--	N	N	70	N	20	N	--	--	--
ACZ915	--	--	N	N	10	N	N	N	--	--	--
ACZ916	--	--	N	N	70	N	150	N	--	--	--
ACZ917	--	--	N	N	200	N	100	N	--	--	--
ACZ918	--	--	N	N	50	N	10	N	--	--	--
ACZ919	--	--	N	N	50	N	15	N	--	--	--
ADA060	--	--	N	N	70	N	30	N	--	--	--
ACZ925	--	--	N	N	70	N	>200	N	--	--	--
ACZ984	--	--	N	N	30	N	15	N	--	--	--
EF0173	N	20	N	N	150	N	15	N	30	--	N
JAF737	N	10	N	N	30	N	70	N	70	N	N
EF8307	N	15	N	N	100	N	15	N	100	--	.02
AMS906	--	--	N	N	700	N	700	N	--	--	--
AMS907	--	--	N	N	5,000	N	30	5,000	--	--	--
B313	N	N	N	N	<10	N	N	N	N	N	<.02
L458	N	5	N	N	30	N	10	N	150	N	<.02
L459	N	N	N	N	15	N	N	N	<10	N	.02
L274	N	N	N	N	<10	N	N	N	N	N	.04
L471	N	N	N	N	<10	N	N	N	N	N	<.02
L269	N	<5	N	N	15	N	15	N	100	N	.04
L270	N	N	N	N	<10	N	N	N	50	N	<.02
L271	N	N	N	N	10	N	<10	N	100	N	<.02
L272	N	<5	N	N	30	N	15	N	200	N	<.02
L273	N	N	N	N	N	N	N	N	N	N	.02
L268	N	5	N	N	15	N	20	N	150	N	.06
B317	N	N	N	N	70	N	20	N	500	N	.04
B522	N	<5	N	N	20	N	10	N	100	N	.02
B5182	N	N	N	N	10	N	N	N	<10	N	.02
B5192	N	10	N	N	30	N	20	N	>1,000	N	<.02
B5202	N	7	N	N	30	N	20	N	100	N	<.02
B5212	N	<5	N	N	15	N	10	N	100	N	<.02
B415	N	7	N	N	70	N	15	N	300	N	N
B435	N	5	N	N	70	N	15	N	500	N	N
B436	N	20	N	N	100	N	70	N	>1,000	N	N
B437	N	N	N	N	70	N	70	N	N	N	N
B439	N	N	N	N	20	N	N	N	150	N	N
M435	N	N	N	N	30	N	10	N	300	N	N
M436	N	10	N	N	70	N	30	N	200	N	N
B345	N	15	N	N	150	N	30	N	500	N	N
M457	N	15	N	N	70	N	15	N	150	N	.04
M458	N	15	N	N	70	N	30	N	700	N	.08
M455	N	10	N	N	70	N	20	N	150	N	.02
M453	N	7	N	N	30	N	30	N	200	N	.08
M454	N	15	N	N	50	N	30	N	200	N	.02
M452	N	15	N	N	100	N	30	N	150	N	.08
ACZ014	--	--	N	N	20	N	<10	N	--	--	--

sample	latitude	longitude	MAP_NO.	S-FEX	S-MGX	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
AC2019	47 22 57	113 48 12	596	3.00	2.00	3.00	--	1,000	N	N	--	--
AC2013	47 22 38	113 49 38	597	5.00	1.50	.07	--	300	N	N	--	--
AC2015	47 22 55	113 50 36	598	.05	.05	.10	--	200	N	N	--	--
AC2016	47 22 55	113 50 37	598	2.00	1.00	.07	--	200	.5	N	--	--
AC2017	47 22 55	113 50 37	598	1.50	.70	.15	--	300	N	N	--	--
AC2026	47 22 15	113 50 40	598	5.00	1.00	.20	--	700	N	N	--	--
ADA523	47 22 21	113 50 33	598	3.00	1.50	.30	--	300	.5	N	--	--
AC2921	47 22 2	113 51 48	599	5.00	1.50	.07	--	200	N	N	--	--
ADA096	47 22 24	113 51 11	599	3.00	1.50	1.00	--	1,500	N	N	--	--
ADA098	47 22 35	113 51 0	599	5.00	1.50	.70	--	700	N	N	--	--
AC2985	47 22 8	113 52 55	600	1.50	1.50	7.00	--	200	N	N	--	--
EF0174	47 23 55	112 32 26	601	3.00	.70	5.00	.300	1,500	N	N	10	10
AMS905	47 23 36	112 33 30	602	7.00	1.50	5.00	--	3,000	N	N	--	--
EFH308	47 23 0	112 39 0	603	3.00	.70	.20	.700	150	<.5	N	--	70
EFB336	47 23 0	112 40 0	604	3.00	.70	.30	.500	150	N	N	150	150
L465	47 23 3	112 45 17	605	1.50	10.00	15.00	.005	70	N	N	N	N
L466	47 23 15	112 46 16	606	<.05	10.00	15.00	.007	30	N	N	N	N
L467	47 23 24	112 46 19	606	<.05	10.00	15.00	.007	30	N	N	N	N
L468	47 23 25	112 46 42	606	<.05	.70	20.00	.010	30	N	N	N	N
EFB328	47 23 0	112 47 0	607	2.00	.70	1.50	.300	200	N	N	300	300
B314	47 23 5	112 47 20	607	.20	1.00	20.00	.010	30	N	N	N	N
L469	47 23 53	112 47 5	607	.30	.30	20.00	.050	100	N	N	<10	<10
L482	47 23 51	112 48 57	608	2.00	1.00	1.50	.200	700	N	N	100	100
L483	47 23 26	112 49 41	609	2.00	1.00	15.00	.200	500	N	N	15	15
B330	47 23 53	112 50 24	610	<.05	10.00	20.00	.005	50	N	N	<10	<10
L298	47 23 43	112 50 58	610	3.00	1.50	.15	.200	300	N	N	100	100
L299	47 23 33	112 50 37	610	.30	10.00	15.00	.020	100	N	N	10	10
L295	47 23 3	112 51 9	611	1.50	.70	.10	.150	150	N	N	70	70
L296	47 23 10	112 51 2	611	1.00	.70	.15	.050	100	N	N	30	30
L297	47 23 20	112 51 1	611	.70	.20	<.05	.070	50	N	N	30	30
B318	47 23 10	112 52 5	612	.70	.10	<.05	.070	30	N	N	15	15
B319	47 23 15	112 52 8	612	1.50	.15	.15	.100	70	N	N	20	20
B320	47 23 22	112 52 12	612	1.00	1.50	.15	.100	300	N	N	30	30
B321	47 23 34	112 52 12	612	1.00	1.00	.15	.100	300	N	N	50	50
B322	47 23 46	112 52 12	612	3.00	.50	1.50	.050	500	N	N	70	70
B323	47 23 9	112 54 53	613	.30	1.00	20.00	.020	70	N	N	<10	<10
B324	47 23 15	112 54 39	613	.30	1.50	20.00	.020	150	N	N	<10	<10
B3152	47 23 27	112 55 45	614	.10	.02	<.05	.300	50	N	N	N	N
B3162	47 23 23	112 55 35	614	.50	3.00	20.00	.020	150	N	N	N	N
B3172	47 23 7	112 55 15	614	.15	.03	.70	.150	300	N	N	10	10
B3112	47 23 52	112 56 50	615	2.00	.50	<.05	.070	300	N	N	10	10
B3122	47 23 47	112 56 42	615	2.00	.50	<.05	.100	150	N	N	30	30
B3132	47 23 37	112 56 32	615	3.00	.70	<.05	.100	1,500	N	N	10	10
B3142	47 23 29	112 56 14	615	3.00	.50	<.05	.100	1,500	N	N	10	10
B411	47 23 39	112 57 5	616	2.00	1.50	.15	.300	150	N	N	20	20
B412	47 23 26	112 57 20	616	3.00	1.50	.30	.300	300	N	N	20	20
B413	47 23 18	112 57 35	616	3.00	1.50	.30	.300	150	N	N	50	50
B414	47 23 6	112 57 37	616	.70	.50	.10	.050	70	N	N	20	20
B410	47 23 49	113 1 1	617	N	2.00	20.00	.010	50	N	N	N	N
M431	47 23 17	113 5 46	618	.30	.70	15.00	.030	100	N	N	N	N

Choteau rock--continued

sample	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
AC2019	700	--	--	--	20	20	7	--	N	--	30	<10
AC2013	200	--	--	--	20	70	20	--	N	--	30	<10
AC2015	150	--	--	--	N	N	10	--	N	--	N	N
AC2016	300	--	--	--	20	50	500	--	100	--	50	N
AC2017	150	--	--	--	15	20	10	--	N	--	30	N
AC2926	300	--	--	--	5	70	7	--	N	--	20	<10
ADA523	200	--	--	--	15	50	300	--	N	--	30	150
AC2921	200	--	--	--	30	50	50	--	N	--	50	<10
ADA096	300	--	--	--	20	70	10	--	N	--	30	15
ADA098	150	--	--	--	30	70	70	--	N	--	30	N
AC2985	300	--	--	--	5	30	15	--	N	--	7	N
EF0174	3,000	5.0	N	--	10	<10	N	--	<5	N	15	15
AMS905	2,000	--	--	--	10	<10	7	--	N	--	5	30
EFB308	500	5.0	--	N	15	100	50	--	N	N	70	50
EFB336	700	5.0	N	N	15	100	<5	--	N	N	10	30
L465	N	N	N	N	N	N	5	N	N	N	N	<10
L466	N	N	N	N	N	N	N	N	N	N	N	N
L467	N	N	N	N	N	N	N	N	N	N	N	N
L468	N	N	N	N	N	N	N	N	N	N	N	N
EFB328	500	5.0	N	N	10	70	50	--	5	N	70	10
B314	N	N	N	N	N	N	<5	<20	N	N	N	<10
L469	N	N	N	N	N	10	N	N	N	N	N	N
L482	500	<1.0	N	N	5	20	10	20	N	10	10	<10
L483	500	N	N	N	7	30	10	20	N	<10	15	10
B330	N	N	N	N	N	N	20	N	N	<10	N	N
L298	300	1.0	N	N	7	50	30	30	N	<10	20	10
L299	30	N	N	N	N	10	7	N	N	N	<5	N
L295	3,000	1.0	N	N	7	20	70	<20	N	<10	10	50
L296	700	<1.0	N	N	N	20	20	20	N	<10	10	N
L297	300	N	N	N	N	10	30	N	N	<10	<5	<10
B318	150	<1.0	N	N	N	<10	10	<20	N	<10	<5	<10
B319	200	<1.0	N	N	N	15	15	50	N	<10	15	N
B320	300	1.0	N	N	7	15	15	70	N	<10	10	N
B321	300	1.5	N	N	N	15	20	20	N	<10	5	N
B322	200	1.0	N	N	N	N	5	20	N	<10	N	N
B523	N	N	N	N	N	10	<5	N	N	N	N	N
B524	<20	N	N	N	N	N	<5	N	N	<10	N	N
B5152	30	N	N	N	N	N	<5	70	N	N	N	N
B5162	N	N	N	N	N	10	N	N	N	N	N	N
B5172	70	N	N	N	N	10	<5	70	N	N	<5	N
B5112	200	<1.0	N	N	7	10	150	30	N	<10	10	<10
B5122	150	<1.0	N	N	5	15	20	20	N	<10	10	<10
B5132	200	N	N	N	5	10	30	30	N	N	7	N
B5142	200	N	N	N	7	15	30	30	N	<10	10	<10
B411	150	N	N	N	<5	20	30	N	N	N	10	10
B412	5,000	N	N	N	5	30	5	N	N	N	7	20
B413	1,000	N	N	N	<5	50	30	N	N	N	5	10
B414	1,500	N	N	N	N	30	5	N	N	N	15	10
B410	N	N	N	N	N	<10	<5	N	N	N	N	N
M431	N	N	<10	N	N	N	<5	N	N	N	<5	N

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
AC2019	--	--	N	--	50	N	15	N	--	--	--
AC2013	--	--	N	--	70	N	30	N	--	--	--
AC2015	--	--	N	--	<10	N	N	N	--	--	--
AC2016	--	--	N	--	70	N	15	N	--	--	--
AC2017	--	--	N	--	50	N	15	N	--	--	--
AC2926	--	--	N	--	70	N	30	N	--	--	--
ADA523	--	--	N	--	70	N	15	N	--	--	--
AC2921	--	--	N	--	70	N	30	N	--	--	--
ADA096	--	--	N	--	70	N	30	N	--	--	--
ADA098	--	--	N	--	70	N	50	N	--	--	--
AC2985	--	--	N	--	30	N	10	N	--	--	--
EFD174	7	--	N	2,000	70	N	20	N	100	--	<.02
AMS905	--	--	N	--	150	N	15	N	--	--	--
EFB308	15	--	N	100	200	N	30	N	150	--	.04
EFB336	15	--	N	100	150	N	30	N	150	--	.02
L465	N	N	N	100	20	N	N	N	N	N	.02
L466	N	N	N	N	<10	N	N	N	N	N	<.02
L467	N	N	N	N	<10	N	N	N	N	N	<.02
L468	N	N	N	200	<10	N	N	N	N	N	.02
EFB328	10	--	N	100	100	N	20	N	70	--	.06
B314	N	N	N	150	<10	N	N	N	N	N	.02
L469	N	N	N	200	15	N	N	N	<10	N	<.02
L482	5	--	N	150	30	N	30	N	300	N	<.02
L483	5	--	N	200	20	N	15	N	150	N	<.02
B330	N	N	N	N	10	N	N	N	N	N	.02
L298	10	--	N	N	50	N	15	N	150	N	.04
L299	N	N	N	N	N	N	N	N	N	N	<.02
L295	5	--	N	150	30	N	15	N	200	N	.02
L296	N	N	N	N	10	N	10	N	70	N	.06
L297	N	N	N	N	<10	N	<10	N	100	N	.02
B318	N	N	N	N	10	N	10	N	70	N	<.02
B319	<5	--	N	N	15	N	10	N	100	N	.02
B320	5	--	N	N	15	N	15	N	100	N	.04
B321	<5	--	N	<100	20	N	20	N	150	N	.04
B322	<5	--	N	N	30	N	30	N	70	N	.04
B523	N	N	N	300	<10	N	N	N	N	N	.02
B524	N	N	N	300	<10	N	N	N	N	N	.02
B5152	N	N	N	700	<10	N	10	N	300	N	.02
B5162	N	N	N	N	15	N	N	N	<10	N	.02
B5172	N	N	N	N	10	N	N	N	150	N	.04
B5112	5	--	N	N	20	N	20	N	70	N	.02
B5122	5	--	N	N	20	N	10	N	200	N	.04
B5132	<5	--	N	N	20	N	15	N	100	N	.02
B5142	N	N	N	N	20	N	15	N	200	N	<.02
B411	N	N	N	N	30	N	N	N	300	N	N
B412	5	--	N	100	70	N	15	N	300	N	N
B413	7	--	N	N	70	N	10	N	300	N	N
B414	N	N	N	N	10	N	10	N	50	N	N
B410	N	N	N	300	70	N	10	N	N	N	<.02
M431	N	N	N	100	70	N	N	N	10	N	N

Choteau rock--continued

sample	latitude	longitude	MAP_NO.	S-FEX	S-MGZ	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
M395	47 23 36	113 9 43	619	.70	10.00	20.00	.020	300	N	N	N	N
M425	47 23 52	113 9 53	619	.70	7.00	>20.00	.050	100	N	N	N	N
M488	47 23 37	113 16 34	620	3.00	1.50	2.00	.300	700	N	N	N	70
M481	47 23 50	113 20 18	621	1.50	1.00	.05	.150	1,000	N	N	N	30
M478	47 23 17	113 21 46	622	3.00	3.00	3.00	.200	700	N	N	N	20
M479	47 23 24	113 21 19	622	1.00	1.00	.70	.150	700	N	N	N	30
M480	47 23 31	113 21 2	622	3.00	1.50	.10	.300	300	N	N	N	30
M456	47 23 22	113 25 9	623	5.00	1.50	.07	.300	200	N	N	N	30
M463	47 23 46	113 25 16	623	3.00	1.00	10.00	.200	2,000	N	N	N	20
M307	47 23 33	113 33 54	624	3.00	1.50	.10	.200	300	N	N	N	70
M1082	47 23 10	113 37 54	625	1.00	.15	<.05	.020	30	<.5	N	N	30
M353	47 23 11	113 37 37	625	5.00	.30	<.05	.150	3,000	N	N	N	70
AC2980	47 23 6	113 48 48	626	2.00	.70	3.00	--	1,500	N	N	N	--
ADA051	47 23 52	113 48 59	626	3.00	3.00	2.00	--	700	N	N	N	--
ADA052	47 23 47	113 48 46	626	1.50	2.00	1.00	--	300	N	N	N	--
AC2018	47 23 6	113 49 40	627	.70	.50	.20	--	300	N	N	N	--
AC2107	47 23 47	113 50 6	628	2.00	.30	1.50	--	1,500	N	N	N	--
AC2978	47 23 11	113 50 23	628	3.00	1.00	.10	--	200	N	N	N	--
AC2979	47 23 10	113 50 23	628	.07	.03	.05	--	150	N	N	N	--
AC2912	47 23 0	113 51 35	629	1.50	.50	1.00	--	700	N	N	N	--
AC2905	47 23 47	113 52 27	630	2.00	2.00	10.00	--	1,500	N	N	N	--
AC2906	47 23 38	113 52 27	630	3.00	3.00	10.00	--	1,000	N	N	N	--
AC2908	47 23 36	113 52 8	630	.70	1.50	20.00	--	1,000	1.5	N	N	--
AMS904	47 24 54	112 45 48	631	2.00	1.00	20.00	--	1,500	N	N	N	--
L470	47 24 2	112 47 20	632	.10	7.00	15.00	.002	100	N	N	N	N
L472	47 24 12	112 48 3	633	.10	10.00	15.00	.007	200	N	N	N	N
L473	47 24 6	112 48 48	633	.30	3.00	20.00	.005	150	N	N	N	N
L474	47 24 26	112 48 57	633	1.50	5.00	20.00	.150	300	N	N	N	20
L475	47 24 43	112 48 59	633	5.00	2.00	1.00	.300	300	N	N	N	150
L476	47 24 54	112 48 54	633	<3.00	1.00	20.00	.020	70	N	N	N	N
L478	47 24 49	112 49 24	634	.30	2.00	20.00	.030	300	N	N	N	15
L479	47 24 35	112 49 42	634	.50	2.00	20.00	.070	150	N	N	N	<10
L480	47 24 29	112 49 44	634	.30	.10	.10	.150	<15	N	N	N	15
L481	47 24 7	112 49 33	634	1.00	.50	.10	.070	50	N	N	N	70
B327	47 24 33	112 50 53	635	<.05	10.00	10.00	.003	30	N	N	N	<10
B328	47 24 11	112 50 49	635	.20	10.00	15.00	.005	70	N	N	N	N
B329	47 24 10	112 50 30	635	.15	1.00	20.00	.007	50	N	N	N	N
B324	47 24 9	112 51 41	636	.15	.07	<.05	.010	<10	N	N	N	10
B326	47 24 32	112 51 29	636	1.00	.50	.10	.070	50	N	N	N	10
B323	47 24 0	112 52 10	637	1.00	1.00	.20	.150	200	2.0	N	N	30
B325	47 24 23	112 52 16	637	.70	.30	<.05	.050	70	N	N	N	50
B559	47 24 27	112 54 45	638	.30	.70	.07	.030	70	N	N	N	30
B560	47 24 36	112 54 50	638	3.00	1.00	.07	.200	200	N	N	N	30
B561	47 24 44	112 54 26	638	.50	.70	.10	.200	100	N	N	N	20
B562	47 24 54	112 54 23	638	1.50	1.50	.50	.200	500	<.5	N	N	30
B558	47 24 27	112 55 11	639	.20	1.50	20.00	.015	50	N	N	N	20
B508Z	47 24 11	112 56 50	640	3.00	5.00	<20.00	.300	1,500	N	N	N	20
B509Z	47 24 6	112 56 46	640	.20	.03	.10	.050	150	N	N	N	N
B510Z	47 24 1	112 56 46	640	3.00	.70	<.05	.070	300	N	N	N	20
B525Z	47 24 33	112 56 54	640	.70	1.00	20.00	.100	200	N	N	N	<10

sample	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
M395	N	N	N	N	N	<10	<5	N	N	N	N	N
M425	<20	N	<10	N	N	15	<5	N	N	N	<5	N
M488	>5,000	2.0	N	N	<5	20	70	N	N	N	10	15
M481	500	<1.0	N	N	5	15	20	20	N	N	10	<10
M478	300	1.0	N	N	10	20	70	N	N	N	15	N
M479	500	1.0	N	N	N	15	30	N	N	N	5	10
M480	1,000	<1.0	N	N	10	30	10	20	N	N	20	15
M456	200	<1.0	N	N	N	50	15	30	N	N	15	<10
M463	150	1.0	N	N	7	30	15	20	N	N	15	30
M307	150	2.0	N	N	15	30	10	20	N	N	15	20
M1082	150	1.0	N	N	N	N	<5	N	N	N	7	N
M353	300	5.0	N	N	15	30	50	N	N	N	10	N
AC2980	150	--	--	--	5	15	7	--	N	--	20	N
ADA051	300	--	--	--	10	30	10	--	N	--	50	N
ADA052	500	--	--	--	15	30	15	--	N	--	50	N
AC2018	2,000	--	--	--	7	15	50	--	N	--	10	<10
AC2107	300	--	--	--	<5	15	10	--	N	--	N	N
AC2978	300	--	--	--	15	50	N	--	N	--	50	N
AC2979	50	--	--	--	N	N	7	--	N	--	N	N
AC2912	150	--	--	--	5	20	7	--	N	--	15	<10
AC2905	200	--	--	--	10	20	7	--	N	--	10	30
AC2906	300	--	--	--	15	30	N	--	N	--	15	10
AC2908	70	--	--	--	10	10	7	--	N	--	<5	7,000
AMS904	50	--	--	--	N	15	N	--	N	--	5	20
L470	N	N	N	N	N	N	N	N	N	N	N	N
L472	N	N	N	N	N	N	15	N	N	N	N	10
L473	N	N	N	N	N	N	N	N	N	N	N	N
L474	700	N	N	N	N	30	N	N	N	N	15	15
L475	300	<1.0	N	N	30	150	30	50	N	10	50	15
L476	N	N	N	N	<5	N	N	<20	N	N	15	50
L478	<20	N	N	N	N	<10	N	N	N	N	<5	N
L479	70	N	N	N	N	N	10	N	N	N	<5	N
L480	300	N	N	N	N	N	15	N	N	N	7	N
L481	300	N	N	N	N	<10	10	N	N	<10	N	N
B327	N	N	N	N	N	N	N	N	N	N	N	N
B328	N	N	N	N	N	N	7	N	N	N	N	<10
B329	N	N	N	N	N	N	N	N	N	N	N	N
B324	1,500	N	N	N	N	N	10	N	N	N	<5	N
B326	300	N	N	N	N	N	<5	20	N	N	10	<10
B323	300	1.0	N	N	N	20	1,000	20	N	<10	15	30
B325	300	N	N	N	10	<10	5	20	N	N	<5	N
B559	150	N	N	N	N	<10	100	N	N	N	7	N
B560	200	<1.0	N	N	5	30	<5	20	N	<10	15	<10
B561	200	<1.0	N	N	N	30	10	N	N	N	5	N
B562	<1.0	<1.0	N	N	7	30	200	<20	N	N	15	15
B558	N	N	N	N	N	N	N	N	N	N	N	N
B5082	700	N	N	N	10	70	70	N	N	<10	30	N
B5092	30	N	N	N	<5	15	10	20	N	N	10	N
B5102	150	1.0	N	N	10	15	7	30	N	N	15	<10
B5252	70	N	N	N	N	15	<5	20	N	N	7	<10

Choteau rock--continued

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
M395	N	N	N	N	70	N	N	N	N	N	N
M425	N	N	N	N	70	N	N	N	N	N	<.02
M488	N	7	N	N	70	N	30	N	300	N	N
M481	N	10	N	N	30	N	15	N	150	N	<.02
M478	N	7	N	N	30	N	15	N	150	N	<.02
M479	N	<5	N	N	20	N	15	N	150	N	.02
M480	N	15	N	N	30	N	15	N	150	N	.02
M456	N	7	N	N	50	N	15	N	200	N	.12
M463	N	7	N	150	30	N	20	N	100	N	.04
M307	N	7	N	N	70	N	30	N	150	N	.04
M1082	N	N	N	N	<10	N	10	N	50	--	N
M353	N	<7	N	N	30	N	30	N	100	N	.17
ACZ980	--	--	N	--	50	N	15	N	--	--	--
ADA051	--	--	N	--	70	N	20	N	--	--	--
ADA052	--	--	N	--	50	N	15	N	--	--	--
ACZ018	--	--	N	--	30	N	15	N	--	--	--
ACZ107	--	--	N	--	30	N	15	N	--	--	--
ACZ978	--	--	N	--	70	N	15	N	--	--	--
ACZ979	--	--	N	--	N	N	N	N	--	--	--
ACZ912	--	--	N	--	50	N	30	N	--	--	--
ACZ905	--	--	N	--	30	N	30	N	--	--	--
ACZ906	--	--	N	--	50	N	15	N	--	--	--
ACZ908	--	--	N	--	10	N	20	N	--	--	--
AMS904	--	--	N	--	30	N	<10	200	--	--	--
L470	N	N	N	N	N	N	N	N	N	N	<.02
L472	N	N	N	N	<10	N	N	N	N	N	.02
L473	N	N	N	N	<10	N	N	N	N	N	.02
L474	N	<5	N	300	15	N	N	N	N	N	<.02
L475	N	15	N	<100	70	N	15	N	50	N	<.02
L476	N	N	N	200	<10	N	N	N	N	N	<.02
L478	N	<5	N	500	<10	N	<10	N	<10	N	<.02
L479	N	N	N	500	10	N	N	N	20	N	<.02
L480	N	N	N	N	10	N	<10	N	200	N	<.02
L481	N	N	N	N	15	N	10	N	150	N	.02
B327	N	N	N	N	N	N	N	N	N	N	<.02
B328	N	N	N	N	10	N	N	N	N	N	<.02
B329	N	N	N	300	<10	N	N	N	N	N	.02
B324	N	N	N	N	<10	N	N	N	20	N	.02
B326	N	5	N	N	20	N	N	N	100	N	.06
B323	N	7	N	N	20	N	20	N	150	N	<.02
B325	N	N	N	N	10	N	10	N	150	N	<.02
B559	N	N	N	N	<10	N	N	N	70	.06	.02
B560	N	7	N	N	30	N	10	N	150	.08	.02
B561	N	5	N	N	20	N	10	N	200	.08	<.02
B562	N	7	N	N	30	N	20	N	150	.06	<.02
B558	N	N	N	300	N	N	N	N	N	.06	<.02
B5082	N	N	N	N	30	N	20	N	N	N	.02
B5092	N	N	N	N	<10	N	20	N	70	N	<.02
B5102	N	5	N	N	30	N	20	N	70	N	<.02
B5252	N	N	N	500	10	N	<10	N	30	N	<.02

sample	latitude	longitude	MAP_NO.	S-FEX	S-MGZ	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
B543	47 24 47	112 56 13	640	.30	.70	20.00	.007	300	N	N	N	N
B544	47 24 30	112 56 46	640	.10	10.00	20.00	.002	70	N	N	N	N
B5262	47 24 43	112 57 2	641	1.50	.30	1.50	.500	500	N	N	N	30
B5272	47 24 49	112 57 10	641	.50	.03	<.05	.100	50	N	N	N	<10
B5282	47 24 53	112 57 21	641	5.00	.70	<.05	.150	300	N	N	N	20
B5292	47 24 53	112 57 31	641	2.00	.50	.05	.100	100	N	N	N	20
B5302	47 24 55	112 57 37	641	.50	.50	.05	.100	150	N	N	N	15
B5312	47 24 56	112 57 45	641	.20	.05	N	.500	70	N	N	N	15
B402	47 24 54	112 59 14	642	5.00	1.50	10.00	.700	2,000	N	N	N	50
B403	47 24 46	112 59 28	642	3.00	1.50	.70	.300	1,000	N	N	N	70
B404	47 24 33	112 59 53	642	.50	.30	<.05	.070	70	N	N	N	10
B405	47 24 29	113 0 5	643	.70	.30	<.05	.070	50	N	N	N	20
B406	47 24 20	113 0 19	643	.70	.30	<.05	.030	100	N	N	N	30
B407	47 24 17	113 0 30	643	2.00	.70	.30	.500	200	N	N	N	100
B408	47 24 8	113 0 32	643	.10	.20	<.05	.020	10	N	N	N	N
B416	47 24 29	113 1 47	644	2.00	5.00	7.00	.150	500	N	N	N	20
M432	47 24 11	113 1 52	644	<.05	.70	20.00	.010	20	N	N	N	N
M433	47 24 30	113 2 45	645	.05	1.00	>20.00	.020	50	N	N	N	N
M426	47 24 9	113 9 52	646	<.05	.70	>20.00	.010	70	N	N	N	N
M427	47 24 20	113 9 51	646	N	.70	20.00	.005	N	N	N	N	N
M428	47 24 34	113 9 43	646	N	.70	>20.00	.010	20	N	N	N	N
M429	47 24 59	113 9 42	646	.05	10.00	>20.00	.007	50	N	N	N	N
M468	47 24 51	113 14 16	647	.30	10.00	>20.00	.003	100	N	N	N	N
M466	47 24 33	113 15 35	648	.07	1.00	>20.00	.010	30	N	N	N	N
M467	47 24 53	113 15 15	648	.10	.70	>20.00	.010	50	N	N	N	N
M498	47 24 43	113 16 18	649	.30	2.00	>20.00	.030	30	N	N	N	N
M499	47 24 39	113 16 55	649	.15	1.50	>20.00	.030	30	N	N	N	N
M487	47 24 15	113 17 38	650	2.00	1.00	.07	.200	200	N	N	N	30
M486	47 24 8	113 18 31	651	3.00	2.00	1.50	.300	700	N	N	N	50
M483	47 24 2	113 19 25	652	5.00	3.00	.70	.100	100	N	N	N	30
M484	47 24 0	113 19 4	652	.70	.50	<.05	.030	30	N	N	N	15
M462	47 24 8	113 25 10	653	1.50	1.00	20.00	.200	2,000	N	N	N	10
ADA488	47 24 46	113 48 57	654	3.00	3.00	7.00	--	1,000	N	N	--	--
ADA489	47 24 58	113 48 41	654	1.00	1.50	1.00	--	200	N	N	--	--
ADA490	47 24 58	113 48 41	654	3.00	3.00	2.00	--	500	N	N	--	--
ADA521	47 24 2	113 48 44	654	1.50	2.00	.10	--	30	N	N	--	--
ADA522	47 24 2	113 48 44	654	3.00	1.50	2.00	--	300	N	N	--	--
ADA047	47 24 8	113 49 52	655	3.00	2.00	.30	--	200	N	N	--	--
ADA048	47 24 8	113 49 52	655	3.00	2.00	.07	--	150	N	N	--	--
ADA049	47 24 8	113 49 52	655	3.00	3.00	.07	--	150	N	N	--	--
ADA050	47 24 4	113 49 37	655	3.00	3.00	3.00	--	500	N	N	--	--
ADA485	47 24 18	113 49 38	655	3.00	3.00	10.00	--	1,500	N	N	--	--
ADA486	47 24 18	113 49 38	655	3.00	5.00	3.00	--	1,000	N	N	--	--
ADA487	47 24 34	113 49 14	655	3.00	3.00	3.00	--	300	N	N	--	--
ADA038	47 24 48	113 50 41	656	1.50	.70	.20	--	150	N	N	--	--
ADA039	47 24 48	113 50 41	656	2.00	1.00	.15	--	300	N	N	--	--
ADA040	47 24 41	113 50 37	656	3.00	1.50	1.00	--	700	N	N	--	--
ADA041	47 24 34	113 50 30	656	3.00	.70	.70	--	200	N	N	--	--
ADA042	47 24 30	113 50 27	656	5.00	.15	<.05	--	70	N	N	--	--
ADA043	47 24 21	113 50 23	656	3.00	1.50	.30	--	500	N	N	--	--

Choteau rock--continued

sample	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
B543	N	N	N	N	N	N	<5	N	N	N	N	N
B544	N	N	N	N	N	N	N	N	N	N	N	N
B5262	300	<1.0	N	N	5	70	70	70	N	<10	10	10
B5272	100	N	N	N	N	10	10	N	N	N	5	N
B5282	200	N	N	N	5	20	10	20	N	<10	15	<10
B5292	300	N	N	N	N	10	10	30	N	N	7	N
B5302	1,000	N	N	N	N	10	30	20	N	N	<5	N
B5312	50	N	N	N	N	10	20	100	N	N	N	N
B402	>5,000	3.0	N	N	7	30	10	30	N	N	7	10
B403	>5,000	3.0	N	N	10	50	20	50	N	N	15	10
B404	2,000	N	N	N	N	30	20	N	N	N	5	10
B405	300	N	N	N	N	10	20	N	N	N	5	10
B406	200	N	N	N	N	10	30	20	N	N	5	10
B407	200	1.0	N	N	5	30	5	30	N	N	15	20
B408	50	N	N	N	N	N	5	N	N	N	5	N
B416	1,000	N	N	N	5	30	5	N	N	N	7	N
M432	N	N	N	N	N	N	<5	N	N	N	N	N
M433	N	N	<10	N	N	10	<5	N	N	N	N	N
M426	N	N	10	N	N	N	<5	N	N	N	N	N
M427	N	N	10	N	N	N	<5	N	N	N	N	N
M428	N	N	10	N	N	10	<5	N	N	N	N	N
M429	N	N	<10	N	N	N	5	N	N	N	5	N
M468	N	N	N	N	N	N	10	N	N	N	N	N
M466	N	N	N	N	N	N	<5	N	N	N	N	N
M467	N	N	N	N	N	N	<5	N	N	N	N	N
M498	20	N	N	N	N	10	<5	N	N	N	N	20
M499	20	N	N	N	N	N	<5	N	N	N	N	<10
M487	300	2.0	N	N	7	20	20	20	N	N	10	50
M486	300	2.0	N	N	5	20	10	20	N	N	10	10
M483	300	<1.0	N	N	15	10	5	N	N	N	20	N
M484	300	<1.0	N	N	N	<10	10	N	N	N	<5	N
M462	200	N	N	N	15	50	300	50	N	N	10	50
ADA488	200	--	--	--	30	70	15	--	5	--	30	15
ADA489	700	--	--	--	7	20	20	--	N	--	20	<10
ADA490	500	--	--	--	15	70	15	--	N	--	30	15
ADA521	70	--	--	--	7	15	30	--	N	--	10	15
ADA522	200	--	--	--	10	50	10	--	N	--	30	N
ADA047	300	--	--	--	5	20	1,500	--	N	--	30	N
ADA048	150	--	--	--	15	20	20	--	N	--	30	N
ADA049	300	--	--	--	20	70	N	--	N	--	30	N
ADA050	200	--	--	--	5	70	5	--	N	--	50	N
ADA485	300	--	--	--	70	70	500	--	N	--	100	500
ADA486	300	--	--	--	15	50	15	--	N	--	20	10
ADA487	300	--	--	--	20	70	10	--	N	--	30	70
ADA038	300	--	--	--	15	30	<5	--	N	--	20	N
ADA039	700	--	--	--	20	30	<5	--	N	--	50	N
ADA040	500	--	--	--	20	30	N	--	N	--	70	15
ADA041	200	--	--	--	15	20	5	--	N	--	20	70
ADA042	50	--	--	--	N	5	7	--	N	--	5	N
ADA043	300	--	--	--	30	70	20	--	N	--	70	N

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
B543	N	N	N	300	10	N	N	N	N	N	<.02
B544	N	N	N	150	<10	N	150	N	N	N	<.02
B5262	N	10	N	N	30	N	N	N	700	N	<.02
B5272	N	N	N	N	<10	N	N	N	70	N	<.02
B5282	N	5	N	N	30	N	15	N	70	N	.02
B5292	N	<5	N	N	15	N	<10	N	100	N	<.02
B5302	N	<5	N	N	<10	N	15	N	300	N	<.02
B5312	N	<5	N	N	15	N	15	N	300	N	.02
B402	N	7	N	300	70	N	30	N	100	N	N
B403	N	15	N	500	70	N	70	N	500	N	<.02
B404	N	N	N	N	15	N	10	N	70	N	N
B405	N	N	N	N	15	N	N	N	100	N	N
B406	N	<5	N	N	15	N	N	N	50	N	N
B407	N	7	N	N	70	N	30	N	300	N	N
B408	N	N	N	N	N	N	N	N	20	N	<.02
B416	N	<5	N	N	50	N	15	N	70	N	N
M432	N	N	N	300	30	N	20	N	10	N	.04
M433	N	N	N	2,000	70	N	10	N	10	N	N
M426	N	N	N	300	50	N	N	N	N	N	N
M427	N	N	N	300	30	N	N	N	N	N	<.02
M428	N	N	N	100	70	N	N	N	N	N	N
M429	N	N	N	N	30	N	N	N	N	N	N
M468	N	N	N	300	N	N	N	N	N	N	N
M466	N	N	N	300	N	N	N	N	N	N	N
M467	N	N	N	300	N	N	N	N	N	N	N
M498	N	N	N	300	30	N	N	N	N	N	<.02
M499	N	N	N	300	30	N	N	N	N	N	.02
M487	N	7	N	N	70	N	30	N	150	N	.02
M486	N	10	N	N	50	N	20	N	200	N	.02
M483	N	<5	N	N	30	N	10	N	150	N	<.02
M484	N	N	N	N	10	N	<10	N	70	N	<.02
M462	N	5	N	200	50	N	30	N	300	N	.10
ADA488	--	--	N	--	50	N	20	N	--	--	--
ADA489	--	--	N	--	30	N	10	N	--	--	--
ADA490	--	--	N	--	70	N	20	N	--	--	--
ADA521	--	--	N	--	20	N	15	N	--	--	--
ADA522	--	--	N	--	50	N	15	N	--	--	--
ADA047	--	--	N	--	30	N	70	N	--	--	--
ADA048	--	--	N	--	50	N	70	N	--	--	--
ADA049	--	--	N	--	70	N	15	N	--	--	--
ADA050	--	--	N	--	70	N	20	N	--	--	--
ADA485	--	--	N	--	70	N	50	N	--	--	--
ADA486	--	--	N	--	50	N	15	N	--	--	--
ADA487	--	--	50	--	70	N	20	N	--	--	--
ADA038	--	--	N	--	70	N	30	N	--	--	--
ADA039	--	--	N	--	70	N	20	N	--	--	--
ADA040	--	--	N	--	70	N	30	N	--	--	--
ADA041	--	--	N	--	70	N	20	N	--	--	--
ADA042	--	--	N	--	70	N	20	N	--	--	--
ADA043	--	--	N	--	70	N	20	N	--	--	--

Chateau rock--continued

sample	latitude	longitude	MAP_NO.	S-FEX	S-MGX	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
ADA044	47 24 16	113 50 19	656	1.50	.70	.07	--	300	N	N	--	--
ADA045	47 24 10	113 50 10	656	5.00	1.50	7.00	--	5,000	N	N	--	--
ADA046	47 24 7	113 50 2	656	1.50	.50	2.00	--	700	N	N	--	--
ACZ101	47 24 44	113 51 57	657	7.00	3.00	.20	--	70	N	N	--	--
ACZ102	47 24 44	113 51 51	657	3.00	1.50	.07	--	150	N	N	--	--
ACZ103	47 24 44	113 51 51	657	.20	.30	.07	--	150	N	N	--	--
ADA433	47 24 24	113 51 59	657	2.00	1.50	1.50	--	500	N	N	--	--
ADA435	47 24 9	113 51 19	657	2.00	1.00	.30	--	300	N	N	--	--
L488	47 25 26	112 50 13	658	.10	7.00	20.00	.007	100	N	N	--	N
L489	47 25 15	112 52 5	659	.07	.70	20.00	.010	<10	N	N	--	N
L490	47 25 33	112 52 23	659	1.00	1.00	20.00	.007	30	N	N	--	N
L491	47 25 55	112 52 38	659	.15	1.00	20.00	.007	30	N	N	--	N
B565	47 25 21	112 53 59	660	1.00	.70	<.05	.070	30	N	N	--	70
B5322	47 25 4	112 57 56	661	3.00	1.00	.05	.100	200	N	N	--	20
B566	47 25 21	112 57 44	661	.50	3.00	15.00	.020	150	N	N	--	N
B567	47 25 35	112 57 34	661	.30	.07	.07	.300	150	N	N	--	10
B568	47 25 41	112 57 22	661	1.00	1.00	<.05	.020	150	N	N	--	30
B569	47 25 49	112 57 11	661	1.50	.70	<.05	.150	100	N	N	--	10
B401	47 25 4	112 58 54	662	2.00	1.00	.10	.150	200	N	N	--	20
B5332	47 25 15	112 58 11	662	.05	1.00	20.00	.005	15	N	N	--	N
B5342	47 25 21	112 58 19	662	.30	.03	.15	.030	500	N	N	--	10
B5352	47 25 23	112 58 32	662	7.00	1.00	.05	.150	300	N	N	--	30
B5362	47 25 40	112 58 48	662	3.00	1.00	.15	.300	500	N	N	--	20
B5372	47 25 52	112 58 58	662	3.00	.20	.07	.200	70	N	N	--	15
M469	47 25 40	113 14 10	663	.30	1.00	>20.00	.015	150	N	N	--	N
M490	47 25 34	113 26 41	664	1.50	1.50	.07	.100	50	N	N	--	30
B458	47 25 47	113 31 13	665	5.00	1.00	.07	.300	150	N	N	--	50
M306	47 25 4	113 33 38	666	7.00	3.00	7.00	1.000	1,000	N	N	--	20
ACZ023	47 25 56	113 49 58	667	.70	.15	3.00	--	1,500	N	N	--	--
ADA013	47 25 26	113 49 23	667	5.00	2.00	1.00	--	500	N	N	--	--
ADA014	47 25 31	113 49 25	667	.50	1.50	1.50	--	1,000	N	N	--	--
ACZ021	47 25 37	113 50 46	668	3.00	.70	.50	--	700	N	N	--	--
ACZ022	47 25 36	113 50 38	668	.70	.20	.07	--	300	N	N	--	--
ACZ020	47 25 9	113 51 7	669	3.00	.70	.30	--	300	N	N	--	--
ACZ096	47 25 18	113 51 47	669	3.00	2.00	7.00	--	1,500	N	N	--	--
ACZ093	47 25 54	113 52 24	670	3.00	3.00	5.00	--	200	N	N	--	--
ACZ095	47 25 38	113 52 13	670	3.00	5.00	.30	--	70	N	N	--	--
ADA424	47 25 15	113 53 2	671	.70	1.00	3.00	--	200	N	N	--	--
EFB280	47 26 0	112 37 0	672	2.00	.70	.50	.500	200	<.5	N	--	200
M975	47 26 54	112 45 20	673	1.50	.20	.20	.300	70	N	N	--	20
M984	47 26 40	112 48 21	674	.05	7.00	10.00	.010	70	N	N	--	N
L486	47 26 4	112 49 57	675	2.00	10.00	20.00	.070	300	N	N	--	50
L487	47 26 47	112 50 52	676	.30	7.00	20.00	.010	300	N	N	--	N
L432	47 26 57	112 51 9	677	.50	1.00	20.00	.030	150	N	N	--	N
L492	47 26 10	112 53 10	678	.50	1.00	20.00	.050	150	N	N	--	10
L493	47 26 24	112 53 11	678	5.00	7.00	15.00	.010	2,000	N	N	--	N
L494	47 26 48	112 53 16	678	.05	10.00	10.00	<.002	50	N	N	--	<10
B571	47 26 26	112 55 51	679	3.00	1.50	.05	.150	150	N	N	--	100
B572	47 26 45	112 55 28	679	.20	.07	N	.007	<10	N	N	--	<10
B573	47 26 50	112 55 20	679	3.00	1.50	.10	.300	500	N	N	--	70

sample	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
ADA044	300	--	--	--	5	20	15	--	N	--	10	N
ADA045	700	--	--	--	30	30	50	--	N	--	30	15
ADA046	200	--	--	--	N	10	10	--	N	--	7	10
AC2101	300	--	--	--	30	70	10	--	N	--	70	N
AC2102	150	--	--	--	30	15	30	--	N	--	30	<10
AC2103	30	--	--	--	5	N	10	--	N	--	7	N
ADA433	300	--	--	--	15	30	15	--	N	--	30	10
ADA435	200	--	--	--	50	50	200	--	70	--	70	150
L488	N	N	N	N	N	N	N	N	N	N	N	N
L489	N	N	N	N	N	N	N	N	N	N	N	N
L490	N	N	N	N	N	N	N	N	N	N	<5	N
L491	N	N	N	N	N	N	N	N	N	N	N	N
B565	200	N	N	N	N	N	30	20	N	N	5	N
B5322	200	N	N	N	7	15	70	30	N	N	15	N
B566	N	N	N	N	N	N	N	N	N	N	N	N
B567	50	N	N	N	N	<10	5	100	N	N	<5	N
B568	150	N	N	N	<5	N	7	N	N	N	7	<10
B569	300	N	N	N	<5	30	10	20	N	N	5	N
B401	150	1.0	N	N	5	15	5	N	N	N	15	10
B5332	N	N	N	N	N	N	N	N	N	N	N	N
B5342	1,000	N	N	N	N	N	30	<20	N	N	<5	N
B5352	200	<1.0	N	N	10	30	N	30	N	<10	15	N
B5362	500	<1.0	N	N	7	20	N	30	N	<10	15	<10
B5372	3,000	<1.0	N	N	N	20	N	30	N	N	<5	N
M469	N	N	N	N	N	N	10	N	N	N	N	30
M490	1,000	<1.0	N	N	5	20	10	20	N	N	10	N
B458	700	<1.0	N	N	7	10	10	20	N	N	15	50
M306	70	<1.0	N	N	50	70	300	N	N	N	70	N
AC2023	300	--	--	--	N	<10	30	--	N	--	7	N
ADA013	300	--	--	--	20	70	10	--	N	--	70	<10
ADA014	300	--	--	--	20	70	5	--	N	--	30	<10
AC2021	200	--	--	--	30	20	30	--	N	--	20	<10
AC2022	50	--	--	--	N	<10	10	--	N	--	7	N
AC2020	200	--	--	--	7	20	30	--	N	--	20	<10
AC2096	700	--	--	--	15	30	7	--	N	--	30	<10
AC2093	300	--	--	--	30	50	150	--	N	--	50	<10
AC2095	500	--	--	--	15	50	5	--	N	--	50	N
ADA424	300	--	--	--	10	15	20	--	N	--	15	N
EF0280	1,000	5.0	N	N	10	100	15	--	5	N	50	30
M975	300	1.0	N	N	N	20	7	--	N	N	10	<10
M984	N	N	N	N	N	10	N	N	N	N	15	50
L486	150	N	N	N	N	30	50	<20	N	N	N	N
L487	100	N	N	N	N	N	N	N	N	N	N	N
L432	N	N	N	N	N	N	N	<20	N	N	N	N
L492	<20	N	N	N	N	<10	N	<20	N	N	N	<10
L493	70	N	N	N	<5	N	5	<20	N	<10	7	<10
L494	N	N	N	N	N	N	N	N	N	N	N	30
B571	1,000	1.5	N	N	10	20	30	50	N	N	15	<5
B572	200	N	N	N	N	N	20	N	N	N	<5	N
B573	300	N	N	N	7	30	30	20	N	N	15	N

Choteau rock--continued

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
ADA044	--	--	N	--	50	N	10	N	--	--	--
ADA045	--	--	N	--	100	N	100	N	--	--	--
ADA046	--	--	N	--	20	N	15	N	--	--	--
ACZ101	--	--	N	--	100	N	30	N	--	--	--
ACZ102	--	--	N	--	30	N	15	N	--	--	--
ACZ103	--	--	N	--	15	N	N	N	--	--	--
ADA433	--	--	N	--	70	N	20	N	--	--	--
ADA435	--	--	N	--	70	N	20	N	--	--	--
L488	N	N	N	200	<10	N	N	N	N	N	<.02
L489	N	N	N	200	<10	N	N	N	N	N	<.02
L490	N	N	N	300	15	N	N	N	N	N	<.02
L491	N	N	N	300	N	N	N	N	N	N	<.02
B565	N	N	N	N	10	N	<10	N	70	.06	<.02
B532Z	N	N	N	N	15	N	10	N	100	N	.02
B566	N	N	N	200	N	N	N	N	N	N	.02
B567	N	5	N	N	30	N	10	N	1,000	N	<.02
B568	N	N	N	N	<10	N	10	N	70	N	<.02
B569	N	5	N	N	20	N	15	N	70	.06	<.02
B401	N	5	N	N	50	N	10	N	200	N	<.02
B533Z	N	N	N	500	N	N	N	N	N	N	N
B534Z	N	<5	N	N	10	N	20	N	15	N	.02
B535Z	N	5	N	N	50	N	20	N	300	N	<.02
B536Z	N	5	N	N	30	N	10	N	300	N	.02
B537Z	N	<5	N	N	10	N	10	N	300	N	<.02
M469	N	N	N	500	N	N	N	N	N	N	.02
M490	N	<5	N	N	30	N	10	N	100	N	<.02
B458	N	7	N	N	30	N	15	N	200	N	.02
M306	N	30	N	150	700	N	30	N	100	N	.05
ACZ023	--	--	N	--	20	N	15	N	--	--	--
ADA013	--	--	N	--	70	N	30	N	--	--	--
ADA014	--	--	N	--	70	N	70	N	--	--	--
ACZ021	--	--	N	--	70	N	15	N	--	--	--
ACZ022	--	--	N	--	10	N	N	N	--	--	--
ACZ020	--	--	N	--	50	N	15	N	--	--	--
ACZ096	--	--	N	--	50	N	30	N	--	--	--
ACZ093	--	--	N	--	50	N	20	N	--	--	--
ACZ095	--	--	N	--	50	N	20	N	--	--	--
ADA424	--	--	N	--	30	N	15	N	--	--	--
EFB280	N	7	N	150	150	N	20	N	150	--	.06
M975	N	7	N	<100	100	N	15	N	>1,000	N	.04
M984	N	<5	N	150	15	N	<10	N	10	N	.02
L486	N	<5	N	N	20	N	<10	300	<30	N	<.02
L487	N	N	N	150	N	N	N	N	N	N	<.02
L432	N	N	N	500	<10	N	N	N	<10	N	<.02
L492	N	N	N	200	<10	N	N	N	<10	N	.02
L493	N	N	N	150	<10	N	15	N	N	N	<.02
L494	N	N	N	N	N	N	N	N	N	N	.02
B571	N	7	N	N	30	N	20	N	100	.06	.02
B572	N	N	N	N	N	N	10	N	30	N	<.02
B573	N	7	N	N	30	N	20	N	300	.06	<.02

sample	latitude	longitude	MAP_NO.	S-FEX	S-MGX	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
B570	47 26 0	112 56 32	680	2.00	.70	<.05	.150	100	N	N	N	20
B5382	47 26 18	112 59 12	681	1.00	.10	.15	.150	150	N	N	N	15
B5397	47 26 35	112 59 28	681	1.00	.70	.07	.150	200	N	N	N	30
B5402	47 26 40	112 59 44	681	1.00	.07	.05	.150	30	N	N	N	10
B5412	47 26 51	112 59 44	681	1.50	.70	<.05	.200	200	N	N	N	15
B5422	47 26 59	112 59 38	681	1.50	.70	<.05	.200	150	N	N	N	15
B397	47 26 58	113 4 39	682	3.00	2.00	15.00	.500	1,500	7.0	N	N	150
B398	47 26 48	113 4 48	682	3.00	1.50	3.00	.300	1,000	N	N	N	100
B399	47 26 40	113 4 57	682	2.00	2.00	.15	.300	150	15.0	N	N	100
B400	47 26 26	113 4 59	682	2.00	2.00	7.00	.100	2,000	N	N	N	70
M397	47 26 4	113 5 5	683	.05	.70	20.00	.015	30	N	N	N	N
M396	47 26 45	113 9 13	684	N	.70	20.00	.010	30	N	N	N	N
B461	47 26 30	113 21 23	685	5.00	1.50	.70	.300	700	N	N	N	70
B462	47 26 32	113 21 45	685	3.00	1.00	.10	.150	700	N	N	N	50
B463	47 26 24	113 21 56	685	1.50	.70	.07	.150	300	N	N	N	30
B464	47 26 17	113 22 33	686	3.00	1.50	.20	.150	700	<.5	200	N	70
B465	47 26 26	113 22 50	686	2.00	1.50	.10	.150	300	N	200	N	30
B467	47 26 22	113 24 3	687	1.50	.50	.15	.050	500	N	200	N	50
B459	47 26 55	113 27 27	688	3.00	1.50	.50	.300	500	N	N	N	50
M489	47 26 11	113 29 27	689	3.00	.70	.50	.300	500	N	200	N	70
B457	47 26 43	113 30 4	690	3.00	1.50	7.00	.300	3,000	N	N	N	30
M008	47 26 12	113 33 58	691	7.00	3.00	5.00	1,000	1,500	50.0	N	N	<10
M007	47 26 32	113 34 8	692	7.00	3.00	10.00	.150	1,500	N	N	N	70
ADA465	47 26 29	113 50 27	693	3.00	3.00	7.00	--	500	N	N	--	--
ADA110	47 26 55	113 51 40	694	1.50	3.00	20.00	--	700	N	N	--	--
ADA111	47 26 35	113 51 25	694	1.50	5.00	15.00	--	700	N	N	--	--
ADA112	47 26 33	113 51 28	694	.70	2.00	20.00	--	700	N	N	--	--
ADA113	47 26 29	113 51 30	694	2.00	5.00	2.00	--	300	N	N	--	--
AC2085	47 26 10	113 52 47	695	2.00	2.00	5.00	--	150	N	N	--	--
AC2089	47 26 17	113 52 27	695	1.50	5.00	15.00	--	500	N	N	--	--
AC2091	47 26 29	113 52 39	695	2.00	2.00	.15	--	50	N	N	--	--
AC2092	47 26 29	113 52 39	695	.20	.30	.10	--	100	N	N	--	--
AC2082	47 26 35	113 53 50	696	.30	.50	2.00	--	500	N	N	--	--
AC2083	47 26 38	113 53 47	696	.50	.70	3.00	--	100	N	N	--	--
ADA524	47 26 48	113 54 7	697	.15	.20	>20.00	--	300	N	N	--	--
EFB292	47 27 0	112 39 0	698	2.00	.50	.20	.300	100	.5	N	N	150
EFB293	47 27 0	112 39 0	698	1.50	.70	.70	.300	150	<.5	N	N	100
M968	47 27 24	112 46 10	699	5.00	2.00	.50	.500	300	N	N	N	N
M972	47 27 39	112 46 50	699	5.00	1.50	1.00	.500	1,000	N	N	N	20
M973	47 27 33	112 46 31	699	.70	1.00	20.00	.050	3,000	N	N	N	N
M974	47 27 30	112 46 0	699	.70	.10	.15	.100	30	N	N	N	15
M970	47 27 12	112 47 10	700	3.00	1.00	.15	.500	300	N	N	N	70
M971	47 27 23	112 47 7	700	7.00	2.00	1.00	.700	700	N	N	N	<10
M983	47 27 2	112 49 13	701	2.00	.70	5.00	.150	500	N	N	N	30
M985	47 27 52	112 50 5	702	1.50	.50	7.00	.100	700	N	N	N	20
L428	47 27 51	112 51 44	703	.70	1.50	.70	.070	100	N	N	N	50
L429	47 27 45	112 51 38	703	1.00	1.50	1.00	.150	300	N	N	N	50
L430	47 27 19	112 51 23	703	1.50	.50	.15	.070	70	N	N	N	30
L431	47 27 14	112 51 20	703	.30	.02	<.05	.070	100	N	N	N	<10
L500	47 27 43	112 52 55	704	.50	.20	<.05	.030	200	N	N	N	30

Choteau rock--continued

sample	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
B570	200	N	N	N	N	20	20	20	N	N	10	<10
B5382	1,000	<1.0	N	N	N	20	<5	20	N	N	5	<10
B5392	300	<1.0	N	N	5	10	<5	20	N	N	10	N
B5402	3,000	N	N	N	N	<10	10	20	N	N	5	N
B5412	300	<1.0	N	N	7	<10	200	30	N	N	10	<10
B5422	300	N	N	N	7	10	N	30	N	N	10	N
B397	1,500	3.0	<10	N	30	30	7,000	70	N	N	50	500
B398	1,500	3.0	N	N	10	30	300	50	N	N	30	N
B399	150	2.0	<10	N	15	20	7,000	30	20	N	30	50
B400	>5,000	1.5	N	N	5	15	20	50	N	N	15	15
M397	N	N	10	N	N	N	<5	N	N	N	N	N
M396	N	N	10	N	N	N	<5	N	N	N	N	N
B461	300	<1.0	N	N	15	70	70	70	N	N	30	20
B462	500	1.0	N	N	5	20	15	20	N	N	15	N
B463	300	1.0	N	N	5	20	15	20	N	N	7	N
B464	300	2.0	N	N	10	20	300	30	N	N	10	30
B465	200	1.0	N	N	5	20	50	20	N	N	10	10
B467	500	1.0	N	N	<5	<10	30	N	N	N	5	N
B459	500	1.0	N	N	7	70	10	30	N	N	20	<10
M489	700	1.5	N	N	15	50	20	70	N	N	20	10
B457	300	<1.0	N	N	<5	20	100	N	N	N	15	<10
M008	150	1.0	N	N	30	100	200	N	N	N	70	10
M007	700	<1.0	30	N	30	30	>20,000	N	2,000	<10	30	700
ADA465	500	--	--	--	10	20	30	--	N	--	20	<10
ADA110	150	--	--	--	7	30	20	--	N	--	15	30
ADA111	300	--	--	--	10	30	30	--	N	--	20	20
ADA112	100	--	--	--	20	10	10	--	N	--	10	70
ADA113	500	--	--	--	15	30	5	--	N	--	20	<10
AC2085	300	--	--	--	15	30	20	--	N	--	20	10
AC2089	150	--	--	--	15	20	<5	--	N	--	15	N
AC2091	300	--	--	--	15	30	15	--	N	--	30	<10
AC2092	70	--	--	--	7	<10	7	--	N	--	5	<10
AC2082	30	--	--	--	N	<10	<5	--	N	--	N	<10
AC2083	500	--	--	--	7	10	30	--	N	--	7	<10
ADA524	30	--	--	--	N	N	15	--	N	--	N	<10
EFB292	700	5.0	N	N	10	100	20	--	N	N	50	15
EFB293	1,000	5.0	N	N	7	70	15	--	N	N	20	20
M968	3,000	1.5	N	N	7	N	150	30	N	N	N	15
M972	1,000	1.0	N	N	10	100	30	20	N	N	50	15
M973	1,000	N	N	N	N	20	7	N	N	N	5	N
M974	300	N	N	N	N	15	N	20	N	N	<5	<10
M970	300	3.0	N	N	7	70	50	50	N	N	50	10
M971	2,000	1.5	N	N	7	N	150	50	N	N	N	20
M983	100	1.0	N	N	<5	30	5	20	N	N	10	<10
M985	100	<1.0	N	N	<5	30	<5	20	N	N	7	<10
L428	1,500	1.0	N	N	<5	N	10	N	N	N	5	N
L429	3,000	N	N	N	7	15	10	20	N	N	15	10
L430	300	<1.0	N	N	5	15	5	20	N	N	15	10
L431	50	N	N	N	N	N	N	20	N	N	5	<10
L500	700	N	N	N	N	N	N	N	N	N	N	N

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
B570	N	7	N	N	20	N	10	N	150	.06	.02
B5382	N	N	N	N	<10	N	10	N	300	N	.02
B5392	N	<5	N	N	10	N	15	N	150	N	<.02
B5402	N	N	N	N	10	N	<10	N	150	N	<.02
B5412	N	<5	N	N	20	N	15	N	300	N	<.02
B5422	N	5	N	N	30	N	<10	N	300	N	.02
B397	N	15	N	N	70	N	50	N	300	N	.05
B398	N	7	N	N	70	N	50	N	300	N	N
B399	N	7	N	N	70	N	20	N	500	N	.02
B400	N	7	N	N	50	N	50	N	200	N	N
M397	N	N	N	200	50	N	N	N	N	N	N
M396	N	N	N	300	30	N	N	N	N	N	N
B461	N	<15	N	N	70	N	50	N	1,000	N	<.02
B462	N	5	N	N	30	N	15	N	200	N	N
B463	N	<5	N	N	30	N	10	N	150	N	<.02
B464	N	7	N	N	30	N	30	N	200	N	.02
B465	N	5	N	N	30	N	15	N	150	N	<.02
B467	N	<5	N	N	70	N	20	N	70	N	<.02
B459	N	10	N	N	70	N	30	N	300	N	N
M489	N	15	N	N	70	N	30	N	500	N	<.02
B457	N	<7	N	N	30	N	20	N	150	N	.06
M008	N	50	N	200	500	N	20	N	100	N	.04
M007	N	<7	15	<300	30	N	50	N	100	.20	4.50
ADA465	--	--	N	--	50	N	20	N	--	--	--
ADA110	--	--	N	--	30	N	15	N	--	--	--
ADA111	--	--	N	--	50	N	30	N	--	--	--
ADA112	--	--	N	--	15	N	30	N	--	--	--
ADA113	--	--	N	--	70	N	15	N	--	--	--
AC2085	--	--	N	--	70	N	15	N	--	--	--
AC2089	--	--	N	--	50	N	15	N	--	--	--
AC2091	--	--	N	--	70	N	30	N	--	--	--
AC2092	--	--	N	--	20	N	15	N	--	--	--
AC2082	--	--	N	--	15	N	<10	N	--	--	--
AC2083	--	--	N	--	30	N	15	N	--	--	--
ADA524	--	--	N	--	N	N	15	N	--	--	--
EFB292	N	10	N	100	200	N	20	N	200	--	.02
EFB293	N	7	N	100	150	N	20	N	150	--	.02
M968	N	10	N	200	150	N	20	N	200	N	.02
M972	N	15	N	500	150	N	20	N	150	N	.06
M973	N	N	N	300	15	N	<10	N	15	N	.14
M974	N	N	N	100	70	N	<10	N	100	N	.08
M970	N	15	N	N	150	N	30	N	150	N	.08
M971	N	15	N	300	200	N	20	N	300	N	.06
M983	N	5	N	100	70	N	15	N	70	N	.04
M985	N	5	N	200	70	N	20	N	30	N	.02
L428	N	N	N	N	20	N	N	N	100	N	.04
L429	N	5	N	100	20	N	15	N	150	N	.02
L430	N	<5	N	N	15	N	<10	N	50	N	<.02
L431	N	N	N	N	10	N	N	N	100	N	.04
L500	N	N	N	N	10	N	N	N	50	N	<.02

Choteau rock--continued

sample	Latitude	Longitude	MAP_NO.	S-FEX	S-MGX	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
L495	47 27 2	112 53 36	705	1.50	.50	20.00	.002	50	N	N	N	N
L496	47 27 11	112 53 25	705	.10	10.00	10.00	<.002	50	N	N	N	N
L497	47 27 2	112 53 22	705	.10	1.00	20.00	.005	20	N	N	N	N
L498	47 27 18	112 53 5	705	.50	1.00	15.00	.070	150	N	N	N	10
L499	47 27 32	112 53 8	705	.50	.15	<.10	.300	<150	N	N	N	30
B502	47 27 57	112 54 22	706	<.05	3.00	20.00	.003	70	N	N	N	N
B503	47 27 40	112 54 6	706	.05	.20	20.00	.003	100	N	N	N	N
B504	47 27 29	112 54 2	706	.30	5.00	20.00	.007	100	N	N	N	N
B555	47 27 31	112 55 58	707	.50	.15	<.05	.030	15	N	N	N	30
B556	47 27 37	112 55 48	707	1.00	.70	.07	.070	100	N	N	N	70
B557	47 27 44	112 55 34	707	3.20	1.00	20.00	.030	70	N	N	N	<10
B553	47 27 47	112 56 52	708	3.00	1.00	3.00	.200	1,500	1.0	N	N	100
B554	47 27 47	112 56 32	708	.50	.70	.05	.070	50	N	N	N	30
B550	47 27 9	112 57 47	709	2.00	1.00	.07	.070	200	N	N	N	20
B551	47 27 18	112 57 31	709	1.50	1.00	.20	.070	150	N	N	N	50
B552	47 27 39	112 57 3	709	1.50	1.00	.20	.200	300	N	N	N	50
B547	47 27 2	112 58 38	710	2.00	1.00	.10	.100	150	N	N	N	20
B548	47 27 8	112 58 15	710	1.00	1.00	.05	.070	100	N	N	N	20
B549	47 27 6	112 58 3	710	2.00	.70	.10	.150	150	N	N	N	30
B5452	47 27 2	112 59 35	711	2.00	1.00	.15	.150	200	N	N	N	20
B5462	47 27 11	112 59 24	711	.07	.03	<.05	.150	100	N	N	N	<10
L501	47 27 26	112 59 52	711	.50	.50	.07	.070	150	N	N	N	15
L502	47 27 33	112 59 59	711	1.50	.70	.10	.070	150	N	N	N	50
B392	47 27 34	113 4 53	712	1.50	2.00	5.00	.300	1,000	N	N	N	70
B393	47 27 28	113 4 48	712	3.00	7.00	10.00	.300	1,000	N	N	N	50
B394	47 27 23	113 4 45	712	2.00	3.00	5.00	.300	300	N	N	N	N
B395	47 27 15	113 4 40	712	3.00	2.00	20.00	.200	3,000	N	N	N	50
B396	47 27 7	113 4 40	712	3.00	2.00	20.00	.700	5,000	N	N	N	70
B390	47 27 50	113 5 10	713	.20	.05	.05	.030	20	N	N	N	N
B391	47 27 42	113 5 3	713	3.00	1.50	.50	.500	150	N	N	N	70
M394	47 27 38	113 7 45	714	.70	3.00	>20.00	.070	1,500	N	N	N	20
B484	47 27 17	113 19 10	715	1.50	>10.00	20.00	.070	200	N	200	N	10
B482	47 27 6	113 20 48	716	.30	3.00	>20.00	.007	150	N	200	N	N
B483	47 27 9	113 20 1	716	.10	2.00	>20.00	.030	50	N	200	N	N
M312	47 27 18	113 33 4	717	1.50	2.00	15.00	.150	150	N	N	N	70
M313	47 27 22	113 34 41	718	1.50	3.00	15.00	.100	300	N	N	N	70
AC2008	47 27 9	113 49 52	719	3.00	1.50	.30	--	500	N	N	--	--
AC2009	47 27 16	113 50 16	720	.07	.10	.20	--	70	N	N	--	--
AC2010	47 27 16	113 50 16	720	3.00	2.00	.15	--	150	N	N	--	--
AC2011	47 27 16	113 50 16	720	1.50	1.50	5.00	--	1,000	.5	N	--	--
ADA461	47 27 32	113 50 28	720	3.00	3.00	1.50	--	500	N	N	--	--
ADA462	47 27 30	113 50 28	720	3.00	3.00	10.00	--	1,000	N	N	--	--
ADA463	47 27 20	113 50 40	720	1.00	2.00	20.00	--	1,000	<.5	N	--	--
ADA109	47 27 3	113 52 7	721	3.00	2.00	.20	--	70	N	N	--	--
ADA074	47 27 14	113 55 13	722	10.00	3.00	3.00	--	1,500	N	N	--	--
ADA075	47 27 16	113 55 17	722	3.00	5.00	7.00	--	700	N	N	--	--
ADA077	47 27 14	113 55 17	722	2.00	5.00	5.00	--	500	N	N	--	--
JAF739	47 28 10	112 0 27	723	20.00	.70	.30	>1.000	1,500	N	N	--	--
EFB290	47 28 0	112 36 0	724	1.50	.70	.70	.500	150	N	N	N	20
EFB291	47 28 0	112 37 0	725	3.00	.70	.50	.500	200	<.5	N	N	200

sample	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
L495	N	N	N	N	N	N	<5	N	N	N	<5	N
L496	N	N	N	N	N	N	N	N	N	N	N	N
L497	N	N	N	N	N	N	N	N	N	N	N	N
L498	100	N	N	N	N	15	<5	N	N	N	N	<10
L499	300	N	N	N	N	N	N	50	N	N	<5	<10
B502	N	N	N	N	N	N	N	N	N	N	N	N
B503	N	N	N	N	N	N	N	N	N	N	N	N
B504	N	N	N	N	N	N	N	N	N	N	N	N
B555	300	N	N	N	N	15	20	N	N	N	N	N
B556	700	N	N	N	<5	<10	20	<20	N	N	<5	N
B557	N	N	N	N	N	N	N	N	N	N	N	N
B553	2,000	2.0	N	N	7	30	500	30	N	<10	15	15
B554	200	N	N	N	N	10	50	N	N	N	<5	<10
B550	200	<1.0	N	N	7	15	7	<20	N	N	15	<10
B551	300	2.0	N	N	7	15	20	20	N	N	15	<10
B552	700	<1.0	N	N	N	50	30	20	N	N	N	<10
B547	300	N	N	N	5	10	20	20	N	<10	15	<10
B548	300	N	N	N	<5	<10	<5	N	N	N	10	<10
B549	200	<1.0	N	N	5	30	20	20	N	<10	15	<10
B5452	200	1.0	N	N	7	30	<5	30	N	<10	15	10
B5462	50	N	N	N	N	<10	N	30	N	N	N	N
L501	100	<1.0	N	N	<5	10	15	<20	N	N	7	N
L502	100	2.0	N	N	5	10	70	20	N	N	15	N
B392	200	2.0	N	N	5	30	20	30	N	N	20	10
B393	200	1.5	N	N	5	30	150	30	N	N	20	15
B394	1,000	1.0	N	N	5	15	15	30	N	N	20	<10
B395	5,000	<1.0	<10	N	5	30	30	70	20	N	15	30
B396	150	1.5	<10	N	10	50	15	70	N	N	20	20
B390	200	N	N	N	N	<10	15	N	N	N	5	N
B391	200	2.0	N	N	10	50	20	30	N	N	30	20
M394	2,000	N	N	N	N	10	7	50	N	N	<5	30
B484	30	N	N	N	5	30	10	N	N	N	20	10
B482	N	N	N	N	N	N	5	20	N	N	N	N
B483	N	N	N	N	N	N	5	N	N	N	N	N
M312	150	1.0	N	N	5	30	5	N	N	N	10	10
M313	200	1.0	N	N	N	50	5	20	N	N	10	50
AC2008	200	--	--	--	20	50	7	--	N	--	50	<10
AC2009	20	--	--	--	N	N	30	--	N	--	N	<10
AC2010	300	--	--	--	15	30	50	--	N	--	30	<10
AC2011	200	--	--	--	30	20	700	--	<5	--	30	150
ADA461	500	--	--	--	15	30	30	--	N	--	30	<10
ADA462	1,500	--	--	--	15	30	10	--	N	--	30	N
ADA463	100	--	--	--	15	7	10	--	N	--	7	70
ADA109	300	--	--	--	15	70	7	--	N	--	20	<10
ADA074	150	--	--	--	100	70	300	--	N	--	70	10
ADA075	500	--	--	--	5	30	15	--	N	--	15	10
ADA077	500	--	--	--	15	30	10	--	N	--	30	15
JAF739	150	1.0	N	N	70	100	10	500	N	N	10	10
EFB290	700	5.0	N	N	7	70	15	--	N	N	30	20
EFB291	1,000	5.0	N	N	15	200	50	--	N	N	70	20

Chateau rock--continued

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
L495	N	N	N	N	N	N	N	N	N	N	<.02
L496	N	N	N	N	N	N	N	N	N	N	<.02
L497	N	N	N	200	N	N	N	N	N	N	<.02
L498	N	N	N	700	10	N	<10	N	30	N	.02
L499	N	N	N	N	10	N	N	N	150	N	<.02
B502	N	N	N	200	N	N	N	N	N	N	.02
B503	N	N	N	300	N	N	N	N	N	N	<.02
B504	N	N	N	200	N	N	N	N	N	N	.02
B555	N	N	N	N	<10	N	N	N	50	N	<.02
B556	N	N	N	N	15	N	N	N	150	N	<.02
B557	N	N	N	200	<10	N	N	N	N	N	<.02
B558	N	7	N	N	70	N	50	N	200	N	<.02
B559	N	N	N	N	N	N	<10	N	100	N	<.02
B560	N	<5	N	N	20	N	15	N	70	N	<.02
B561	N	<5	N	N	20	N	30	N	100	N	<.02
B562	N	5	N	N	20	N	30	N	500	N	<.02
B563	N	<5	N	N	20	N	10	N	70	N	<.02
B564	N	<5	N	N	15	N	10	N	70	N	<.02
B565	N	<5	N	N	30	N	20	N	300	N	.02
B566	N	5	N	N	30	N	15	N	200	N	<.02
B567	N	<5	N	N	10	N	<10	N	300	N	<.02
B568	N	<5	N	N	30	N	20	N	100	N	<.02
B569	N	5	N	N	70	N	50	N	150	N	.06
B570	N	10	N	N	70	N	30	N	300	N	.06
B571	N	10	N	N	70	N	30	N	150	N	N
B572	N	5	N	N	70	N	20	N	300	N	N
B573	N	7	N	N	70	N	700	N	300	N	<.02
B574	N	20	N	N	70	N	150	N	>1,000	N	<.02
B575	N	N	N	N	<10	N	30	N	100	N	.03
B576	N	10	N	N	70	N	70	N	300	N	N
B577	N	5	N	N	30	N	10	N	20	N	<.02
B578	N	N	N	N	30	N	N	N	N	N	<.02
B579	N	N	N	N	30	N	N	N	N	N	N
B580	N	N	N	N	30	N	15	N	70	N	.04
B581	N	10	N	N	70	N	20	N	70	N	.06
B582	N	5	N	N	70	N	20	N	--	--	--
B583	N	--	N	N	70	N	20	N	--	--	--
B584	N	--	N	N	<10	N	15	N	--	--	--
B585	N	--	N	N	50	N	50	N	--	--	--
B586	N	--	N	N	50	N	50	N	--	--	--
B587	N	--	N	N	70	N	15	N	--	--	--
B588	N	--	N	N	30	N	15	N	--	--	--
B589	N	--	N	N	30	N	15	N	--	--	--
B590	N	--	N	N	15	N	20	N	--	--	--
B591	N	--	N	N	300	N	70	N	--	--	--
B592	N	--	N	N	--	N	20	N	--	--	--
B593	N	--	N	N	--	N	20	N	--	--	--
B594	N	--	N	N	--	N	20	N	--	--	--
B595	N	--	N	N	--	N	20	N	--	--	--
B596	N	--	N	N	--	N	20	N	--	--	--
B597	N	--	N	N	--	N	20	N	--	--	--
B598	N	--	N	N	--	N	20	N	--	--	--
B599	N	--	N	N	--	N	20	N	--	--	--
B600	N	--	N	N	--	N	20	N	--	--	--
B601	N	--	N	N	--	N	20	N	--	--	--
B602	N	--	N	N	--	N	20	N	--	--	--
B603	N	--	N	N	--	N	20	N	--	--	--
B604	N	--	N	N	--	N	20	N	--	--	--
B605	N	--	N	N	--	N	20	N	--	--	--
B606	N	--	N	N	--	N	20	N	--	--	--
B607	N	--	N	N	--	N	20	N	--	--	--
B608	N	--	N	N	--	N	20	N	--	--	--
B609	N	--	N	N	--	N	20	N	--	--	--
B610	N	--	N	N	--	N	20	N	--	--	--
B611	N	--	N	N	--	N	20	N	--	--	--
B612	N	--	N	N	--	N	20	N	--	--	--
B613	N	--	N	N	--	N	20	N	--	--	--
B614	N	--	N	N	--	N	20	N	--	--	--
B615	N	--	N	N	--	N	20	N	--	--	--
B616	N	--	N	N	--	N	20	N	--	--	--
B617	N	--	N	N	--	N	20	N	--	--	--
B618	N	--	N	N	--	N	20	N	--	--	--
B619	N	--	N	N	--	N	20	N	--	--	--
B620	N	--	N	N	--	N	20	N	--	--	--
B621	N	--	N	N	--	N	20	N	--	--	--
B622	N	--	N	N	--	N	20	N	--	--	--
B623	N	--	N	N	--	N	20	N	--	--	--
B624	N	--	N	N	--	N	20	N	--	--	--
B625	N	--	N	N	--	N	20	N	--	--	--
B626	N	--	N	N	--	N	20	N	--	--	--
B627	N	--	N	N	--	N	20	N	--	--	--
B628	N	--	N	N	--	N	20	N	--	--	--
B629	N	--	N	N	--	N	20	N	--	--	--
B630	N	--	N	N	--	N	20	N	--	--	--
B631	N	--	N	N	--	N	20	N	--	--	--
B632	N	--	N	N	--	N	20	N	--	--	--
B633	N	--	N	N	--	N	20	N	--	--	--
B634	N	--	N	N	--	N	20	N	--	--	--
B635	N	--	N	N	--	N	20	N	--	--	--
B636	N	--	N	N	--	N	20	N	--	--	--
B637	N	--	N	N	--	N	20	N	--	--	--
B638	N	--	N	N	--	N	20	N	--	--	--
B639	N	--	N	N	--	N	20	N	--	--	--
B640	N	--	N	N	--	N	20	N	--	--	--
B641	N	--	N	N	--	N	20	N	--	--	--
B642	N	--	N	N	--	N	20	N	--	--	--
B643	N	--	N	N	--	N	20	N	--	--	--
B644	N	--	N	N	--	N	20	N	--	--	--
B645	N	--	N	N	--	N	20	N	--	--	--
B646	N	--	N	N	--	N	20	N	--	--	--
B647	N	--	N	N	--	N	20	N	--	--	--
B648	N	--	N	N	--	N	20	N	--	--	--
B649	N	--	N	N	--	N	20	N	--	--	--
B650	N	--	N	N	--	N	20	N	--	--	--
B651	N	--	N	N	--	N	20	N	--	--	--
B652	N	--	N	N	--	N	20	N	--	--	--
B653	N	--	N	N	--	N	20	N	--	--	--
B654	N	--	N	N	--	N	20	N	--	--	--
B655	N	--	N	N	--	N	20	N	--	--	--
B656	N	--	N	N	--	N	20	N	--	--	--
B657	N	--	N	N	--	N	20	N	--	--	--
B658	N	--	N	N	--	N	20	N	--	--	--
B659	N	--	N	N	--	N	20	N	--	--	--
B660	N	--	N	N	--	N	20	N	--	--	--
B661	N	--	N	N	--	N	20	N	--	--	--
B662	N	--	N	N	--	N	20	N	--	--	--
B663	N	--	N	N	--	N	20	N	--	--	--
B664	N	--	N	N	--	N	20	N	--	--	--
B665	N	--	N	N	--	N	20	N	--	--	--
B666	N	--	N	N	--	N	20	N	--	--	--
B667	N	--	N	N	--	N	20	N	--	--	--
B668	N	--	N	N	--	N	20	N	--	--	--
B669	N	--	N	N	--	N	20	N	--	--	--
B670	N	--	N	N	--	N	20	N	--	--	--
B671	N	--	N	N	--	N	20	N	--	--	--
B672	N	--	N	N	--	N	20	N	--	--	--
B673	N	--	N	N	--	N	20	N	--	--	--
B674	N	--	N	N	--	N	20	N	--	--	--
B675	N	--	N	N	--	N	20	N	--	--	--
B676	N	--	N	N	--	N	20	N	--	--	--
B677	N	--	N	N	--	N	20	N	--	--	--
B678	N	--	N	N	--	N	20	N	--	--	--
B679	N	--	N	N	--	N	20	N	--	--	--
B680	N	--	N	N	--	N	20	N	--	--	--
B681	N	--	N	N	--	N	20	N	--	--	--
B682	N	--	N	N	--	N	20	N	--	--	--
B683	N	--	N	N	--	N	20	N	--	--	--
B684	N	--	N	N	--	N	20	N	--	--	--
B685	N	--	N	N	--	N	20	N	--	--	--
B686	N	--	N	N	--	N	20	N	--	--	--
B687	N	--	N	N	--	N	20	N	--	--	--
B688	N	--	N	N	--	N	20	N	--	--	--
B689	N	--	N	N	--	N	20	N	--	--	--
B690	N	--	N	N	--	N	20	N	--	--	--
B691	N	--	N	N	--	N	20	N	--	--	--
B692	N	--	N	N	--	N	20	N	--	--	--
B693	N	--	N	N	--	N	20	N	--	--	--
B694	N	--	N	N	--	N	20	N	--	--	--
B695	N	--	N	N	--	N	20	N	--	--	--
B696	N	--	N	N	--	N	20	N	--	--	--
B697	N	--	N	N	--	N	20	N	--	--	--
B698	N	--	N	N	--	N	20	N	--	--	--
B699	N	--	N	N	--	N	20	N	--	--	--
B700	N	--	N	N	--	N	20	N	--	--	--
B701	N	--	N	N	--	N	20	N	--	--	--
B702	N	--	N	N	--	N	20	N	--	--	--
B703	N	--	N	N	--	N	20	N	--	--	--
B704	N	--	N	N	--	N	20	N	--	--	--
B705	N	--	N	N	--	N	20	N	--	--	--
B706	N	--	N	N	--	N	20	N	--	--	--
B707	N	--	N	N	--	N	20	N	--	--	--
B708	N	--	N	N	--	N	20	N	--	--	--
B709	N	--	N	N	--	N	20	N	--	--	--
B710	N	--	N	N	--	N	20	N	--	--	--
B711	N	--	N	N	--	N	20	N	--	--	--
B712	N	--	N	N	--	N	20	N	--	--	--
B713	N	--	N	N	--	N	20	N	--	--	--
B714	N	--	N	N	--	N	20	N	--	--	--
B715	N	--	N	N	--	N	20	N	--	--	--
B716	N	--	N	N	--	N	20	N	--	--	--
B717	N	--</									

sample	latitude	longitude	MAP_NO.	S-FEX	S-MGX	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
EF8335	47 28 0	112 41 0	726	3.00	1.50	1.50	.300	300	N	N	N	100
M976	47 28 49	112 45 57	727	.05	3.00	15.00	.007	15	N	N	N	N
EF8310	47 28 0	112 47 0	728	2.00	.50	.15	.300	150	N	N	N	100
M977	47 28 11	112 47 49	728	5.00	1.00	1.50	.700	700	N	N	N	<10
L426	47 28 18	112 51 59	729	1.50	.30	.20	.300	100	N	N	N	50
L427	47 28 2	112 51 47	729	7.00	3.00	15.00	.300	>5,000	N	N	N	100
5798	47 28 44	112 52 46	730	1.50	3.00	15.00	.100	700	N	N	N	10
L423	47 28 53	112 52 32	730	10.00	3.00	5.00	1.000	1,500	N	N	N	<10
L424	47 28 36	112 52 13	730	10.00	3.00	7.00	1.000	1,500	N	N	N	<10
L425	47 28 28	112 52 10	730	2.00	7.00	10.00	.100	1,500	N	N	N	50
L433	47 28 26	112 52 23	730	2.00	.70	3.00	.150	150	N	N	N	70
L434	47 28 38	112 52 32	730	10.00	2.00	3.00	1.000	1,500	N	N	N	<10
B496	47 28 50	112 54 51	731	.50	1.00	1.50	.050	700	N	N	N	20
B497	47 28 39	112 54 51	731	.30	.10	N	.020	15	N	N	N	15
B498	47 28 29	112 54 45	731	.50	.10	N	.070	10	N	N	N	30
B499	47 28 17	112 54 46	731	.30	.02	.10	.300	150	N	N	N	10
B500	47 28 14	112 54 31	731	.70	2.00	20.00	.050	150	N	N	N	N
B501	47 28 8	112 54 25	731	.15	1.00	20.00	.005	50	N	N	N	N
B505	47 28 45	112 54 59	731	.70	.07	.07	.070	<10	N	N	N	30
CH184	47 28 2	112 55 34	732	7.00	1.00	20.00	.200	1,500	<.5	<200	--	<10
L512	47 28 24	112 56 1	733	.30	5.00	20.00	.020	70	N	N	N	N
L511	47 28 57	112 58 1	734	2.00	1.00	.15	.200	300	1.0	N	N	50
L506	47 28 29	112 59 29	735	1.00	.50	.10	.070	70	N	N	N	50
L507	47 28 34	112 59 11	735	1.50	.70	.07	.100	100	N	N	N	15
L504	47 28 3	113 0 11	736	.70	.20	<.05	.150	50	N	N	N	<10
L505	47 28 14	113 0 28	736	.30	1.50	15.00	.003	100	N	N	N	N
M424	47 28 19	113 1 13	737	.10	2.00	20.00	.010	30	N	N	N	N
B385	47 28 46	113 5 29	738	3.00	2.00	5.00	.300	700	3.0	N	N	100
B386	47 28 34	113 5 26	738	2.00	1.50	.50	.300	500	N	N	N	100
B387	47 28 23	113 5 27	738	1.00	.50	.10	.300	70	N	N	N	70
B388	47 28 14	113 5 29	738	3.00	3.00	.15	.200	150	<.5	N	N	150
B389	47 28 0	113 5 20	738	3.00	2.00	.70	.300	300	N	N	N	70
M389	47 28 50	113 6 59	739	.70	.20	<.05	.050	20	N	N	N	N
M012	47 28 18	113 7 18	740	7.00	3.00	10.00	.500	5,000	10.0	N	N	70
M390	47 28 38	113 7 4	740	2.00	1.00	.10	.150	100	N	N	N	50
M391	47 28 25	113 7 6	740	2.00	2.00	.20	.200	300	N	N	N	70
M393	47 28 8	113 7 22	740	2.00	2.00	20.00	.200	3,000	N	N	N	N
M351	47 28 56	113 11 0	741	15.00	3.00	10.00	>1.000	1,000	N	N	N	30
M352	47 28 57	113 11 19	741	1.00	3.00	20.00	.070	300	N	N	N	30
M500	47 28 6	113 20 14	742	.10	3.00	>20.00	.010	50	N	N	N	N
B527	47 28 58	113 22 53	743	.70	.30	.05	.030	100	N	200	N	30
B519	47 28 59	113 25 5	744	.50	.70	<.05	.030	30	N	N	N	30
B460	47 28 3	113 29 53	745	3.00	3.00	20.00	.150	700	N	N	N	30
ADA124	47 28 21	113 52 49	746	.70	1.00	2.00	--	100	N	N	--	--
ADA125	47 28 21	113 52 49	746	2.00	5.00	10.00	--	700	N	N	--	--
ADA126	47 28 21	113 52 49	746	1.50	3.00	10.00	--	300	N	N	--	--
ADA127	47 28 21	113 52 49	746	1.00	2.00	7.00	--	300	N	N	--	--
ADA128	47 28 34	113 52 6	746	3.00	5.00	5.00	--	700	N	N	--	--
ADA080	47 28 7	113 54 30	747	3.00	3.00	2.00	--	300	N	N	--	--
ADA081	47 28 18	113 54 14	747	1.50	2.00	.50	--	300	N	N	--	--

Choteau rock--continued

sample	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
EFB335	700	5.0	N	N	10	50	15	--	N	N	30	30
M976	N	N	N	N	N	10	N	N	N	N	N	N
EFB310	700	5.0	N	N	15	70	30	--	N	N	50	30
M977	1,500	1.5	N	N	5	N	70	50	N	N	N	20
L426	700	1.0	N	N	<5	50	20	30	N	N	15	20
L427	500	1.5	N	N	100	70	100	70	N	<10	30	100
S798	200	N	N	N	5	30	<5	30	N	N	10	20
L423	150	N	N	N	70	100	300	N	N	N	70	10
L424	150	N	N	N	70	70	300	N	N	N	70	10
L425	150	N	N	N	<5	N	100	N	N	N	<5	20
L433	300	1.0	N	N	<5	10	<5	20	N	N	10	N
L434	150	N	N	N	50	15	300	N	N	<10	30	10
B496	300	<1.0	N	N	<5	15	10	N	N	N	5	N
B497	300	N	N	N	<5	15	30	N	N	N	5	N
B498	300	N	N	N	<5	15	15	<20	N	N	5	N
B499	70	N	N	N	N	15	20	N	N	N	5	N
B500	<20	N	N	N	N	15	N	N	N	N	<5	<10
B501	N	N	N	N	N	<10	N	N	N	N	N	N
B505	300	N	N	N	N	10	15	<20	N	N	<5	<10
CH184	300	1.0	<10	<20	5	10	5	<20	<5	--	20	<10
L512	N	N	N	N	N	N	N	N	N	<10	N	N
L511	300	<1.0	N	N	7	50	7	20	N	N	15	<10
L506	300	N	N	N	N	10	5	<20	N	N	<5	N
L507	200	N	N	N	N	<10	30	N	N	N	10	N
L504	70	N	N	N	N	10	30	N	N	N	N	N
L505	N	N	N	N	N	N	N	N	N	N	N	N
M424	N	N	10	N	N	N	<5	20	N	N	<5	N
B385	3,000	5.0	N	N	10	30	3,000	30	15	N	15	7,000
B386	1,500	2.0	N	N	<5	30	20	50	N	N	7	20
B387	300	1.0	N	N	N	15	10	N	N	N	5	N
B388	500	2.0	N	N	15	30	30	N	N	N	30	N
B389	300	1.5	N	N	15	50	30	30	N	N	30	<10
M389	300	<1.0	<10	N	N	<10	5	70	N	N	5	10
M012	>5,000	1.5	N	N	20	70	3,000	70	15	<10	30	70
M390	300	<1.0	N	N	10	30	30	N	N	N	20	N
M391	200	2.0	N	N	5	20	10	20	N	N	20	20
M393	3,000	N	N	N	5	30	5	70	N	N	15	30
M351	70	<1.0	N	N	70	100	500	N	N	N	70	N
M352	70	<1.0	N	N	7	15	5	N	N	N	7	10
M500	<20	N	N	N	N	N	<5	N	N	N	N	10
B527	500	N	<10	N	N	10	20	20	N	20	<5	10
B519	100	<1.0	<10	N	N	<10	<5	20	N	N	5	20
B460	300	<1.0	N	N	5	30	10	20	N	N	15	15
ADA124	500	--	--	--	10	10	50	--	N	--	10	N
ADA125	300	--	--	--	15	15	20	--	N	--	15	30
ADA126	300	--	--	--	10	20	5	--	N	--	20	30
ADA127	200	--	--	--	15	15	50	--	N	--	20	30
ADA128	300	--	--	--	10	30	15	--	N	--	20	<10
ADA080	2,000	--	--	--	20	50	15	--	N	--	30	15
ADA081	700	--	--	--	10	30	7	--	N	--	20	<10

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
EFD335	N	7	N	100	100	N	20	N	100	--	.08
M976	N	N	N	150	<10	N	N	N	<10	N	.02
EFD310	N	15	N	100	100	N	20	N	100	--	N
M977	N	10	N	500	150	N	20	N	200	N	.02
L426	N	7	N	N	30	N	15	1,000	300	N	.12
L427	N	15	N	N	70	N	30	300	150	N	.08
S798	N	5	N	700	15	N	10	N	10	N	.02
L423	N	30	N	150	300	N	50	N	100	N	.02
L424	N	30	N	200	300	N	50	N	100	N	.04
L425	N	<5	N	N	<10	N	10	N	50	N	.04
L433	N	<5	N	N	30	N	10	N	150	N	.02
L434	N	30	N	100	200	N	30	N	100	N	<.02
B496	N	N	N	N	10	N	10	N	50	N	.02
B497	N	N	N	N	<10	N	10	N	100	N	.02
B498	N	N	N	N	10	N	10	N	100	N	.02
B499	N	5	N	N	20	N	<10	N	300	N	.02
B500	N	N	N	500	N	N	N	N	10	N	<.02
B501	N	N	N	500	N	N	N	N	N	N	.02
B505	N	N	N	N	<10	N	<10	N	100	N	.02
CH184	<100	<5	<10	100	30	<50	20	<200	10	--	--
L512	N	N	N	200	N	N	N	N	<10	.08	<.02
L511	N	5	N	N	30	N	20	N	150	.08	<.02
L506	N	N	N	N	10	N	10	N	200	N	<.02
L507	N	N	N	N	10	N	<10	N	150	.06	<.02
L504	N	N	N	N	20	N	N	N	100	.06	<.02
L505	N	N	N	500	N	N	N	N	N	N	<.02
M424	N	N	N	500	30	N	N	N	N	N	N
B385	N	10	N	70	70	N	100	N	500	N	<.02
H386	N	7	N	N	70	N	30	N	500	N	N
B387	N	5	N	N	50	N	20	N	500	N	N
B388	N	N	N	N	70	N	10	N	500	N	.18
B389	N	10	N	N	70	N	70	N	500	N	N
M389	N	N	N	N	10	N	N	N	200	N	.07
M012	N	15	N	<300	70	N	50	<200	500	N	.02
M390	N	7	N	N	50	N	70	N	300	N	.02
M391	N	7	N	N	70	N	30	N	300	N	N
M393	N	10	N	300	70	N	100	N	300	N	N
M351	N	50	N	<200	700	N	30	N	100	N	.05
M352	N	5	N	100	70	N	15	N	30	N	.04
M500	N	N	N	300	30	N	N	N	N	N	.02
B527	N	N	N	N	15	N	N	N	N	N	.02
B519	N	<5	N	N	10	N	N	N	50	N	.06
B460	N	7	N	200	50	N	15	N	20	N	.04
ADA124	--	--	N	--	20	N	<10	300	--	--	--
ADA125	--	--	N	--	30	N	20	N	--	--	--
ADA126	--	--	N	--	50	N	15	N	--	--	--
ADA127	--	--	N	--	30	N	10	N	--	--	--
ADA128	--	--	N	--	50	N	20	N	--	--	--
ADA080	--	--	N	--	70	N	50	N	--	--	--
ADA081	--	--	N	--	70	N	20	N	--	--	--

Choteau rock--continued

sample	latitude	longitude	MAP_NO.	S-FEX	S-MGX	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
AC2058	47 28 38	113 55 50	748	1.50	3.00	20.00	--	1,000	N	N	--	--
AC2061	47 28 40	113 55 10	748	3.00	3.00	3.00	--	150	N	N	--	--
AC2057	47 28 45	113 56 34	749	2.00	3.00	10.00	--	200	N	N	--	--
M969	47 29 11	112 46 6	750	1.00	.10	<5.00	.150	200	N	N	N	20
M967	47 29 22	112 47 51	751	5.00	1.00	20.00	.700	700	N	N	N	15
M978	47 29 50	112 50 51	752	1.50	1.00	.10	.150	150	N	N	N	30
B106	47 29 40	112 51 24	753	.50	.70	20.00	.050	300	N	N	N	<10
B107	47 29 50	112 51 44	753	1.50	1.00	20.00	.030	1,000	.7	N	N	<10
M979	47 29 43	112 51 7	753	2.00	.50	2.00	.150	700	N	N	N	30
M980	47 29 49	112 51 29	753	1.00	.15	.07	.150	200	N	N	N	20
M981	47 29 43	112 51 50	753	5.00	1.50	1.50	.300	700	N	N	N	20
B117	47 29 58	112 52 53	754	.70	.10	.10	.070	300	N	N	N	20
CH19	47 29 22	112 52 50	754	5.00	2.00	2.00	.300	500	N	N	N	70
M982	47 29 43	112 52 13	754	1.50	.70	.30	.300	150	N	N	N	30
B507	47 29 56	112 53 50	755	10.00	3.00	15.00	1.000	1,500	N	N	N	20
B495	47 29 5	112 54 42	756	.70	.10	.07	.070	100	N	N	N	20
B506	47 29 15	112 54 40	756	.70	.15	.30	.100	150	N	N	N	20
L508	47 29 15	112 59 54	757	1.50	1.00	2.00	.100	1,500	N	N	N	50
L509	47 29 10	112 59 15	757	<.30	.30	N	.010	<30	N	N	N	<10
B383	47 29 4	113 4 22	758	.70	3.00	>20.00	.070	150	N	N	N	N
B384	47 29 8	113 5 35	759	5.00	1.50	.50	.200	200	N	N	N	70
M386	47 29 33	113 6 52	760	2.00	2.00	20.00	.200	300	N	N	N	N
M388	47 29 3	113 6 57	760	2.00	1.00	.30	.300	200	N	N	N	50
M387	47 29 18	113 7 0	761	5.00	1.50	.30	.300	300	N	N	N	50
M346	47 29 54	113 9 33	762	.30	.15	<.05	.020	30	N	N	N	N
M347	47 29 43	113 9 35	762	5.00	5.00	7.00	.200	5,000	N	N	N	50
M348	47 29 26	113 9 42	762	3.00	3.00	10.00	.200	500	N	N	N	100
M349	47 29 9	113 10 9	763	3.00	1.00	20.00	.300	>5,000	5.0	N	N	100
M350	47 29 3	113 10 30	763	2.00	1.00	15.00	.100	700	1.5	N	N	30
B378	47 29 54	113 12 51	764	.70	.70	10.00	.150	200	N	N	N	30
B526	47 29 33	113 20 2	765	1.50	1.00	2.00	.070	500	N	N	N	30
B525	47 29 51	113 21 56	766	1.50	.70	.20	.200	200	N	N	N	70
B522	47 29 26	113 22 51	767	1.50	3.00	1.50	.150	2,000	N	N	N	50
B523	47 29 38	113 22 24	767	3.00	3.00	1.50	.300	500	N	N	N	70
B524	47 29 44	113 22 12	767	3.00	3.00	1.00	.300	300	N	N	N	100
B481	47 29 7	113 23 31	768	3.00	1.00	.50	.300	500	N	N	N	50
B521	47 29 20	113 23 5	768	3.00	3.00	1.00	.300	1,000	N	200	N	70
B520	47 29 1	113 24 14	769	3.00	1.50	.30	.500	300	N	N	N	100
B472	47 29 43	113 25 54	770	1.50	.50	.50	.150	500	N	200	N	30
B473	47 29 44	113 25 42	770	.70	.70	2.00	.100	2,000	N	200	N	20
B474	47 29 56	113 25 5	770	1.50	1.50	.70	.150	500	N	200	N	30
B518	47 29 8	113 25 54	770	.30	.30	<.05	.020	70	N	N	N	N
B468	47 29 11	113 26 18	771	1.50	.50	<.05	.150	30	N	200	N	30
B471	47 29 30	113 26 13	771	.70	.50	.05	.070	30	N	200	N	30
M477	47 29 4	113 26 20	771	.30	.20	<.05	.020	20	N	N	N	<10
M491	47 29 50	113 27 39	772	.50	.20	.10	.050	30	N	200	N	15
B469	47 29 28	113 31 21	773	3.00	1.50	1.50	.200	1,500	N	200	N	30
B470	47 29 3	113 33 13	774	3.00	2.00	2.00	.300	500	N	200	N	100
ADA136	47 29 52	113 50 32	775	15.00	3.00	3.00	--	1,000	N	N	--	--
AC2125	47 29 37	113 51 43	776	2.00	2.00	7.00	--	300	N	N	--	--

sample	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
AC2058	100	--	--	--	15	<10	10	--	N	--	10	20
AC2061	700	--	--	--	15	50	N	--	N	--	15	<10
AC2057	700	--	--	--	5	20	10	--	N	--	15	10
M969	300	<1.0	N	N	N	30	<5	N	N	N	7	<10
M967	700	1.5	N	N	10	70	50	30	N	N	30	15
M978	300	1.0	N	N	N	20	5	50	N	N	7	10
B106	30	N	N	N	N	10	5	30	N	N	5	10
B107	150	N	N	N	7	10	15	50	N	N	10	3,000
M979	300	1.0	N	N	5	50	5	30	N	N	15	<10
M980	500	1.0	N	N	7	30	7	50	N	N	30	<10
M981	1,000	1.5	N	N	10	100	30	20	N	N	50	10
B117	1,500	N	N	N	N	15	50	30	N	<10	5	N
CH19	500	<1.0	<10	<20	N	20	30	<20	N	--	20	15
M982	500	1.0	N	N	5	30	15	20	N	N	7	<10
B507	150	<1.0	N	N	70	30	300	70	N	N	30	1,000
B495	1,000	N	N	N	N	10	15	N	N	N	5	N
B506	300	<1.0	N	N	N	15	20	<20	N	<10	5	10
L508	2,000	1.0	N	N	N	<10	N	N	N	N	7	<10
L509	200	N	N	N	N	10	5	N	N	N	<5	N
B383	150	N	N	N	N	30	15	50	N	N	20	10
B384	300	1.0	N	N	10	30	10	N	N	N	5	10
M386	30	N	<10	N	<5	20	10	N	N	N	5	50
M388	300	2.0	N	N	N	20	10	N	N	N	10	10
M387	>5,000	3.0	N	N	10	30	15	70	N	N	20	10
M346	150	<1.0	N	N	N	10	30	20	N	N	5	N
M347	300	1.5	N	N	15	50	1,000	30	N	N	30	N
M348	>5,000	1.5	N	N	15	50	500	30	N	N	20	20
M349	700	1.5	N	N	15	30	1,500	30	N	N	30	50
M350	1,000	<1.0	N	N	20	15	1,500	20	100	N	10	500
B378	150	1.5	N	N	5	20	30	30	N	N	5	20
B526	2,000	1.0	N	N	<5	15	5	20	N	N	5	N
B525	700	2.0	N	N	<5	30	10	70	N	N	5	15
B522	300	2.0	N	N	5	20	20	50	N	N	20	15
B523	300	3.0	N	N	15	30	15	N	N	N	30	10
B524	500	2.0	N	N	10	50	50	70	N	N	30	15
B481	5,000	1.0	N	N	<5	30	10	30	N	N	5	10
B521	700	2.0	N	N	10	30	10	30	N	N	30	10
B520	300	2.0	N	N	7	30	10	30	N	N	30	N
B472	300	1.5	N	N	<5	30	50	20	N	N	10	<10
B473	300	1.0	N	N	N	20	30	20	N	N	<5	<10
B474	500	1.0	N	N	5	15	20	20	N	N	15	10
B518	500	<1.0	<10	N	N	10	15	20	N	N	5	N
B468	300	<1.0	N	N	N	10	30	20	N	N	5	10
B471	200	<1.0	N	N	N	N	30	20	N	N	<5	<10
M477	300	N	N	N	N	N	7	20	N	N	<5	N
M491	300	N	N	N	N	N	5	N	N	N	5	N
B469	300	1.5	N	N	10	50	50	30	N	N	20	15
B470	700	1.5	N	N	15	70	5	30	N	N	20	20
ADA136	700	--	--	--	70	70	300	--	N	--	70	<10
AC2125	700	--	--	--	15	50	30	--	N	--	30	N

Choteau rock--continued

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
AC2058	--	--	N	--	10	N	50	N	--	--	--
AC2061	--	--	N	--	70	N	50	N	--	--	--
AC2057	--	--	N	--	50	N	30	N	--	--	--
M969	N	5	N	150	70	N	15	N	300	N	.04
M967	N	N	N	700	150	N	20	N	300	N	.10
M978	N	5	N	N	70	N	20	N	700	N	.04
B106	N	N	N	200	15	N	15	N	70	N	N
B107	N	N	N	500	15	N	20	N	70	N	.08
M979	N	7	N	<100	100	N	20	N	150	N	.04
M980	N	5	N	N	100	N	10	N	100	N	.28
M981	N	15	N	500	150	N	15	N	150	N	.06
B117	N	<5	N	N	30	N	10	N	300	N	N
CH19	N	5	N	100	100	N	15	N	500	--	--
M982	N	7	N	150	30	N	30	N	>1,000	N	.04
B507	N	30	N	N	300	N	50	N	100	N	.12
B495	N	N	N	N	10	N	<10	N	30	N	.02
B506	N	<5	N	N	15	N	10	N	100	N	<.02
L508	N	<5	N	150	20	N	20	N	200	.06	<.02
L509	N	N	N	N	<10	N	N	N	50	.08	<.02
B383	N	N	N	500	70	N	N	N	70	N	N
B384	N	10	N	N	70	N	15	N	300	N	N
M386	N	<5	N	N	50	N	15	N	70	N	N
M388	N	7	N	N	70	N	30	N	300	N	N
M387	N	15	N	N	70	N	100	N	500	N	N
M346	N	<5	N	N	10	N	10	N	30	N	N
M347	N	10	N	N	70	N	70	N	200	N	<.02
M348	N	10	N	N	70	N	30	N	150	N	.09
M349	N	10	N	N	100	N	30	N	300	N	.07
M350	N	N	N	150	50	N	30	N	N	N	.06
B378	N	10	N	100	50	N	20	N	150	N	.04
B526	N	5	N	N	30	N	10	N	70	N	.02
B525	N	5	N	N	50	N	10	N	300	N	.02
B522	N	5	N	N	30	N	50	N	300	N	.02
B523	N	15	N	N	70	N	50	N	200	N	.04
B524	N	15	N	N	70	N	50	N	150	N	.04
B481	N	5	N	150	30	N	30	N	500	N	<.02
B521	N	7	N	N	70	N	30	N	300	N	.02
B520	N	10	N	N	70	N	15	N	300	N	.04
B472	N	5	N	N	30	N	15	N	200	N	<.02
B473	N	5	N	<100	20	N	15	N	150	N	N
B474	N	5	N	N	30	N	10	N	150	N	N
B518	N	<5	N	N	10	N	N	N	500	N	.04
B468	N	<5	N	N	20	N	10	N	150	N	<.02
B471	N	<5	N	N	10	N	15	N	500	N	<.02
M477	N	N	N	N	<10	N	N	N	70	N	<.02
M491	N	N	N	N	10	N	<10	N	70	N	N
B469	N	7	N	<100	50	N	30	N	200	N	<.02
B470	N	15	N	N	70	N	30	N	200	N	.02
ADA136	--	--	N	--	300	N	50	N	--	--	--
AC2125	--	--	N	--	70	N	30	N	--	--	--

sample	latitude	longitude	MAP_NO.	S-FEX	S-MGX	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
AC2126	47 29 16	113 51 57	776	3.00	5.00	5.00	--	700	N	N	--	--
AC2127	47 29 14	113 51 57	776	15.00	3.00	7.00	--	700	N	N	--	--
AC2128	47 29 11	113 51 57	776	3.00	3.00	15.00	--	700	N	N	--	--
AC2129	47 29 11	113 51 57	776	15.00	3.00	3.00	--	700	N	N	--	--
AC2130	47 29 11	113 51 57	776	3.00	3.00	10.00	--	300	N	N	--	--
AC2131	47 29 11	113 51 57	776	3.00	3.00	2.00	--	70	N	N	--	--
AC2132	47 29 11	113 51 57	776	2.00	3.00	3.00	--	300	N	N	--	--
AC2133	47 29 11	113 51 57	776	10.00	3.00	5.00	--	700	N	N	--	--
AC2134	47 29 41	113 51 19	776	10.00	3.00	3.00	--	700	N	N	--	--
AC2040	47 29 42	113 52 2	777	3.00	5.00	10.00	--	700	N	N	--	--
ADA444	47 29 49	113 52 51	777	2.00	5.00	10.00	--	300	N	N	--	--
ADA445	47 29 51	113 52 21	777	2.00	5.00	10.00	--	700	N	N	--	--
AC2988	47 29 19	113 53 30	778	1.50	2.00	10.00	--	500	N	N	--	--
AC2987	47 29 42	113 54 1	779	1.50	1.00	10.00	--	300	N	N	--	--
AC2026	47 29 8	113 55 28	780	3.00	5.00	7.00	--	500	N	N	--	--
AC2028	47 29 11	113 55 37	780	3.00	3.00	5.00	--	300	N	N	--	--
AC2029	47 29 13	113 55 37	780	15.00	3.00	3.00	--	1,000	N	N	--	--
AC2031	47 29 5	113 55 15	780	15.00	3.00	5.00	--	1,000	N	N	--	--
AC2033	47 29 7	113 55 10	780	3.00	3.00	3.00	--	700	N	N	--	--
B851	47 30 35	112 46 44	781	.50	.50	20.00	.030	200	N	N	N	10
B857	47 30 38	112 49 54	782	.07	10.00	10.00	.005	50	N	N	N	N
B108	47 30 0	112 51 49	783	5.00	3.00	5.00	.200	1,000	N	N	N	100
B109	47 30 4	112 51 54	783	.70	3.00	20.00	.030	1,000	N	N	N	10
B110	47 30 6	112 51 57	783	2.00	5.00	10.00	.150	1,000	N	N	N	70
B111	47 30 8	112 51 59	783	3.00	5.00	7.00	.150	700	N	N	N	100
B112	47 30 7	112 52 4	784	5.00	3.00	3.00	.150	700	N	N	N	150
B113	47 30 9	112 52 16	784	2.00	3.00	1.00	.150	500	N	N	N	100
B114	47 30 13	112 52 21	784	2.00	1.00	1.00	.150	300	N	N	N	70
B115	47 30 12	112 52 21	784	3.00	2.00	.70	.150	700	N	N	N	100
B116	47 30 10	112 52 17	784	3.00	2.00	.15	.150	200	N	N	N	100
B118	47 30 10	112 52 50	784	2.00	.70	.05	.150	150	N	N	N	50
B119	47 30 7	112 52 52	784	2.00	1.00	.20	.300	700	N	N	N	200
B120	47 30 8	112 52 55	784	3.00	.70	20.00	.300	2,000	N	N	N	20
F341	47 30 25	112 54 29	785	1.00	5.00	>20.00	.070	500	<.5	<200	--	10
HS413	47 30 44	112 54 37	785	2.00	2.00	>20.00	.070	700	<.5	<200	--	10
HS487	47 30 16	112 58 6	786	2.00	<2.00	<15.00	.700	<2,000	<.5	<200	N	50
HS435	47 30 34	112 59 26	787	3.00	1.50	>20.00	.300	<700	<.5	<200	N	30
HS461	47 30 31	112 59 43	787	1.00	<7.00	20.00	.070	200	<.5	<200	N	50
B19	47 30 44	113 0 31	788	.70	.30	<.05	.030	N	N	N	N	<10
B20	47 30 50	113 0 37	788	.07	10.00	15.00	.005	100	N	N	N	N
B21	47 30 53	113 0 48	788	3.00	1.50	.70	.300	500	20.0	N	N	70
M398	47 30 39	113 7 35	789	.05	10.00	15.00	.015	50	N	N	N	N
M344	47 30 30	113 9 12	790	2.00	.70	<.05	.500	70	N	N	N	20
M345	47 30 21	113 9 26	790	2.00	3.00	.70	.150	500	1.0	N	N	50
B370	47 30 50	113 12 19	791	7.00	3.00	5.00	1.000	1,000	N	N	N	50
B371	47 30 45	113 12 35	791	3.00	5.00	5.00	.150	500	N	N	N	70
B372	47 30 40	113 12 51	791	3.00	1.50	15.00	.200	2,000	N	N	N	100
B376	47 30 8	113 12 59	791	1.50	1.00	.07	.150	100	15.0	N	N	50
B377	47 30 0	113 12 54	791	1.00	.70	20.00	.020	300	<.5	N	N	10
B373	47 30 31	113 13 2	792	.70	.20	.15	.100	300	N	N	N	50

Chateau rock--continued

sample	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
AC2126	300	--	--	--	5	30	15	--	N	--	30	N
AC2127	100	--	--	--	100	150	300	--	N	--	100	N
AC2128	150	--	--	--	7	20	20	--	N	--	20	20
AC2129	100	--	--	--	100	70	300	--	N	--	70	N
AC2130	500	--	--	--	7	70	20	--	N	--	30	<10
AC2131	700	--	--	--	15	70	100	--	N	--	20	<10
AC2132	500	--	--	--	7	20	70	--	N	--	15	15
AC2133	300	--	--	--	70	70	100	--	N	--	70	10
AC2134	700	--	--	--	150	150	300	--	N	--	100	<10
AC2040	1,000	--	--	--	10	30	5	--	N	--	30	10
ADA444	300	--	--	--	7	30	10	--	N	--	20	10
ADA445	700	--	--	--	7	<10	7	--	N	--	10	10
AC2988	300	--	--	--	7	30	7	--	N	--	20	15
AC2987	300	--	--	--	5	30	10	--	N	--	10	<10
AC2026	300	--	--	--	15	50	20	--	N	--	30	10
AC2028	300	--	--	--	15	30	20	--	N	--	30	<10
AC2029	70	--	--	--	70	70	300	--	N	--	70	10
AC2031	70	--	--	--	70	150	200	--	N	--	70	<10
AC2033	300	--	--	--	20	30	50	--	N	--	30	<10
B851	30	N	N	N	N	30	5	N	N	N	5	N
B857	N	N	N	N	N	15	N	<20	N	N	N	N
B108	3,000	1.0	N	N	10	30	5	50	N	10	20	15
B109	1,500	N	N	N	N	15	7	30	N	N	N	30
B110	1,500	<1.0	N	N	10	50	7	70	N	N	10	15
B111	3,000	<1.0	N	N	10	70	15	70	N	<10	20	<10
B112	2,000	<1.0	<10	N	20	100	5,000	70	N	N	30	30
B113	300	1.5	N	N	10	70	70	50	N	<10	30	15
B114	200	1.0	N	N	10	30	30	50	N	<10	15	10
B115	300	1.5	N	N	15	50	30	30	N	10	30	10
B116	300	1.5	N	N	10	70	30	70	N	10	20	10
B118	200	<1.0	N	N	10	30	50	30	N	<10	15	20
B119	700	1.5	N	N	15	100	2,000	70	N	<10	30	N
B120	1,000	<1.0	N	N	15	30	30	30	N	<10	30	N
F341	100	<1.0	<10	<20	<5	15	10	20	<5	--	5	20
HS413	70	1.0	<10	<20	<5	10	100	30	<5	--	10	100
HS487	700	<1.0	<10	<20	15	50	20	50	<5	N	10	70
HS435	5,000	<1.0	<10	<20	20	150	10	50	<5	N	30	20
HS461	<20	<1.0	<10	<20	<5	N	30	<20	<5	N	<5	<10
B19	1,500	N	N	N	N	N	20	N	N	N	5	N
B20	N	N	N	N	N	N	30	N	N	N	N	N
B21	500	2.0	<10	N	15	70	15,000	30	N	N	15	15
M398	N	N	N	N	N	N	<5	N	N	N	N	N
M344	150	<1.0	N	N	N	70	50	70	N	N	10	N
M345	200	2.0	N	N	20	15	50	20	N	N	15	N
B370	200	<1.0	N	N	50	30	300	N	N	N	50	15
B371	2,000	1.0	N	N	15	30	30	30	N	N	20	30
B372	700	<1.0	N	N	10	30	30	50	N	N	30	30
B376	300	1.5	15	N	15	20	7,000	30	N	N	15	500
B377	30	<1.0	N	N	10	10	30	30	200	N	5	70
B373	700	<1.0	N	N	N	20	30	20	N	N	5	N

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
ACZ126	--	--	N	--	70	N	20	N	--	--	--
ACZ127	--	--	N	--	300	N	50	N	--	--	--
ACZ128	--	--	N	--	20	N	30	N	--	--	--
ACZ129	--	--	N	--	300	N	70	N	--	--	--
ACZ130	--	--	N	--	50	N	50	N	--	--	--
ACZ131	--	--	10	--	100	N	20	N	--	--	--
ACZ132	--	--	N	--	70	N	10	N	--	--	--
ACZ133	--	--	N	--	300	N	70	N	--	--	--
ACZ134	--	--	N	--	300	N	50	N	--	--	--
ACZ040	--	--	N	--	70	N	20	N	--	--	--
ADA444	--	--	N	--	70	N	20	N	--	--	--
ADA445	--	--	N	--	30	N	15	N	--	--	--
ACZ988	--	--	N	--	30	N	10	N	--	--	--
ACZ987	--	--	N	--	30	N	15	N	--	--	--
ACZ026	--	--	N	--	70	N	15	N	--	--	--
ACZ028	--	--	N	--	70	N	30	N	--	--	--
ACZ029	--	--	N	--	300	N	30	N	--	--	--
ACZ031	--	--	N	--	300	N	20	N	--	--	--
ACZ033	--	--	N	--	70	N	15	N	--	--	--
B851	N	<5	N	500	10	N	10	N	10	N	<.02
B857	N	N	N	N	<10	N	<10	N	<10	N	<.02
B108	N	10	N	N	70	N	30	N	200	N	N
B109	N	N	N	500	15	N	20	N	15	N	.02
B110	N	7	N	100	30	N	30	N	300	N	N
B111	N	10	N	150	50	N	30	N	100	N	N
B112	N	N	N	<100	70	N	30	N	150	N	.18
B113	N	10	N	N	70	N	20	N	150	N	N
B114	N	7	N	N	30	N	30	N	300	N	.02
B115	N	10	N	N	70	N	30	N	150	N	N
B116	N	10	N	N	70	N	20	N	150	N	.06
B118	N	7	N	N	50	N	30	N	150	N	.02
B119	N	15	N	N	100	N	30	N	150	N	.09
B120	N	N	N	N	100	N	30	N	150	N	.06
F341	N	N	N	N	100	N	15	N	<300	N	--
HS413	<100	5	<10	150	20	<50	10	<200	70	--	--
HS487	<100	5	20	150	15	<50	10	<200	30	--	--
HS435	<100	<10	20	N	30	<50	30	<200	700	N	.05
HS461	<100	<10	20	700	150	<50	15	<200	<100	N	<.02
B19	N	N	N	<100	30	<50	<10	<200	<10	N	.06
B20	N	N	N	N	10	N	N	N	150	N	.02
B21	N	N	N	N	10	N	N	N	N	N	.02
M398	N	15	N	<100	70	N	70	N	500	N	.10
M344	N	N	N	N	30	N	N	N	N	N	<.02
M345	N	5	N	N	50	N	20	N	500	N	N
B370	N	7	N	N	70	N	30	N	70	N	.03
B371	N	30	N	N	500	N	50	N	150	N	.03
B372	N	10	N	200	70	N	15	N	70	N	.42
B376	N	10	N	N	100	N	30	N	150	N	.46
B377	N	7	N	N	70	N	20	N	100	N	.02
B373	N	5	N	150	50	N	20	N	15	N	N
B373	N	5	N	N	70	N	20	N	100	N	N

Choteau rock--continued

sample	latitude	longitude	MAP_NO.	S-FEX	S-MGX	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
B374	47 30 20	113 13 5	792	3.00	1.00	.15	.200	300	N	N	N	70
B375	47 30 12	113 13 1	792	1.50	.70	.20	.200	200	15.0	N	N	70
B478	47 30 49	113 23 31	793	2.00	.70	.05	.150	700	N	200	N	30
B475	47 30 12	113 24 46	794	2.00	1.00	3.00	.200	1,000	N	200	N	50
B476	47 30 22	113 24 26	794	2.00	1.00	1.50	.200	700	N	200	N	30
B477	47 30 36	113 24 7	794	3.00	2.00	.20	.300	1,000	N	200	N	20
M492	47 30 11	113 27 11	795	.30	.10	<.05	.030	15	N	200	N	<10
M493	47 30 41	113 27 19	795	.30	.10	.20	.070	30	N	200	N	10
B493	47 30 42	113 28 54	796	3.00	1.50	.70	.300	700	N	200	N	50
B494	47 30 47	113 28 34	796	5.00	3.00	10.00	.300	5,000	N	200	N	30
B495	47 30 55	113 28 3	796	3.00	1.00	.07	.200	70	N	200	N	30
B505	47 30 57	113 31 51	797	3.00	1.50	1.00	.300	700	N	200	N	70
B517	47 30 54	113 33 26	798	3.00	2.00	.10	.300	300	N	200	N	200
ADA017	47 30 41	113 50 57	799	3.00	7.00	10.00	--	700	N	N	--	--
AC2135	47 30 0	113 51 5	800	15.00	3.00	5.00	--	700	N	N	--	--
ADA018	47 30 29	113 51 30	800	3.00	7.00	10.00	--	1,000	N	N	--	--
ADA020	47 30 24	113 51 44	800	3.00	3.00	2.00	--	300	N	N	--	--
ADA021	47 30 20	113 52 6	801	1.00	1.50	15.00	--	1,000	.5	N	--	--
ADA023	47 30 20	113 52 27	801	1.50	3.00	2.00	--	100	<.5	N	--	--
ADA481	47 30 43	113 52 24	801	3.00	5.00	10.00	--	700	N	N	--	--
ADA482	47 30 39	113 52 5	801	3.00	3.00	3.00	--	100	N	N	--	--
ADA442	47 30 4	113 53 49	802	1.50	5.00	10.00	--	700	N	N	--	--
ADA443	47 30 9	113 53 59	802	3.00	5.00	7.00	--	300	N	N	--	--
ADA480	47 30 54	113 53 20	802	1.50	5.00	7.00	--	200	N	N	--	--
AC2986	47 30 9	113 54 24	803	1.00	.70	3.00	--	100	N	N	--	--
EFB329	47 31 0	112 1 0	804	2.00	1.50	2.00	.200	200	N	N	N	70
8852	47 31 10	112 48 53	805	1.00	.10	.50	.100	70	N	N	N	30
HS405	47 31 39	112 50 42	806	7.00	1.00	1.50	.700	1,500	N	N	N	<10
HS410	47 31 15	112 52 9	807	.20	.15	.10	.070	30	N	N	N	<10
8132	47 31 24	112 53 20	808	2.00	1.50	.30	.200	150	N	N	N	70
CH151	47 31 16	112 54 6	809	1.00	2.00	15.00	.010	1,000	N	N	N	<10
6588	47 31 20	112 55 31	810	5.00	1.00	.20	.200	150	N	N	N	70
CH149	47 31 25	112 55 5	810	3.00	10.00	<20.00	.700	1,500	<.5	<200	N	70
HS557	47 31 41	112 56 17	811	2.00	3.00	2.00	.100	700	<.5	<200	N	50
B27	47 31 43	113 2 4	812	1.50	.30	.30	.100	70	N	N	N	30
B28	47 31 42	113 2 22	812	.20	.15	N	.007	70	N	N	N	N
B29	47 31 36	113 2 27	812	1.00	.50	.05	.070	100	N	N	N	20
B30	47 31 27	113 2 27	812	10.00	1.50	3.00	1.000	1,500	N	N	N	N
B36	47 31 55	113 4 58	813	10.00	2.00	3.00	1.000	2,000	N	N	N	70
B37	47 31 58	113 4 49	813	3.00	1.50	.15	.300	300	N	N	N	70
B40	47 31 55	113 4 10	813	.50	.30	.05	.020	20	N	N	N	15
B41	47 31 0	113 4 30	813	3.00	1.00	.50	.300	300	N	N	N	100
B33	47 31 58	113 5 42	814	1.50	.15	.05	.300	30	N	N	N	<10
B35	47 31 52	113 5 20	814	1.50	.50	.05	.150	200	N	N	N	15
B360	47 31 52	113 10 39	815	.30	1.00	20.00	.020	70	N	N	N	10
B361	47 31 47	113 10 48	815	3.00	.70	.10	.150	150	N	N	N	30
B362	47 31 44	113 11 2	816	3.00	.70	.05	.150	200	N	N	N	30
B363	47 31 40	113 11 16	816	3.00	.70	.07	.150	150	N	N	N	50
B364	47 31 39	113 11 29	816	3.00	2.00	7.00	.150	1,000	N	N	N	50
B365	47 31 32	113 11 40	816	3.00	1.00	2.00	.200	1,000	N	N	N	50

sample	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
B374	150	1.0	N	N	30	30	30	30	N	N	30	N
B375	700	1.5	N	N	20	30	5,000	20	N	N	20	300
B478	300	<1.0	N	N	N	20	15	20	N	N	10	N
B475	1,500	2.0	N	N	5	30	5	30	N	N	15	N
B476	700	1.0	N	N	5	30	15	30	N	N	10	N
B477	300	<1.0	N	N	15	30	30	30	N	N	15	N
M492	200	N	N	N	N	N	5	N	N	N	5	N
M493	200	N	N	N	N	N	15	30	N	N	5	N
B493	500	1.0	N	N	10	50	20	30	N	N	15	10
B494	500	<1.0	N	N	10	30	15	100	N	N	30	<10
B495	300	<1.0	N	N	7	20	30	20	N	N	15	<10
B505	500	1.0	N	N	15	50	10	30	N	N	20	10
B517	300	1.5	N	N	5	30	<5	30	N	N	15	N
ADA017	300	--	--	--	5	30	7	--	N	--	20	10
AC2135	100	--	--	--	150	150	200	--	N	--	100	<10
ADA018	500	--	--	--	15	15	<5	--	N	--	20	20
ADA020	2,000	--	--	--	30	30	5	--	N	--	20	15
ADA021	300	--	--	--	15	15	20	--	N	--	20	30
ADA023	700	--	--	--	<5	20	<5	--	N	--	20	30
ADA481	500	--	--	--	10	30	20	--	N	--	15	15
ADA482	1,000	--	--	--	15	50	20	--	N	--	30	30
ADA442	30	--	--	--	N	15	20	--	N	--	7	15
ADA443	300	--	--	--	15	20	7	--	N	--	15	15
ADA480	700	--	--	--	7	30	30	--	N	--	15	10
AC2986	300	--	--	--	5	15	50	--	N	--	10	70
EFB329	700	5.0	N	N	7	50	10	--	N	N	15	20
B852	700	<1.0	N	N	N	20	7	20	N	N	5	10
HS405	1,000	3.0	N	N	10	N	150	30	N	N	N	15
HS410	70	N	N	N	N	N	<5	30	N	N	N	N
B132	300	1.5	N	N	7	30	10	20	N	<10	15	10
CH151	1,000	<1.0	<10	<20	N	<10	N	<20	N	--	N	N
658B	2,000	<1.0	N	N	15	20	20	30	30	<10	20	300
CH149	500	1.5	<10	<20	20	100	70	30	7	N	30	50
HS557	500	<1.0	<10	<20	<5	10	5	30	<5	--	20	<10
B27	500	N	N	N	N	N	70	N	N	N	N	10
B28	300	N	N	N	N	N	30	N	N	N	N	N
B29	500	N	<10	N	N	10	200	N	N	N	<5	20
B30	200	N	<10	N	50	15	200	<20	N	N	30	10
B36	700	2.0	<10	N	50	30	300	50	N	N	30	50
B37	500	1.5	<10	N	7	20	50	30	N	N	15	<10
B40	300	N	<10	N	10	N	7	30	N	N	<5	<10
B41	700	1.5	<10	N	N	50	10	N	N	N	15	<10
B33	100	N	<10	N	<5	15	5	N	N	N	7	N
B35	300	N	<10	N	<5	<10	50	<20	N	N	7	<10
B360	30	N	N	N	N	<10	5	N	N	N	<5	N
B361	100	1.0	N	N	10	15	50	20	N	N	15	N
B362	100	1.0	N	N	7	30	30	30	N	N	15	N
B363	150	2.0	N	N	5	30	30	20	N	N	10	N
B364	>5,000	2.0	N	N	15	20	50	100	N	N	15	15
B365	700	1.5	N	N	10	30	10	30	N	N	15	10

Chateau rock---continued

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
B374	N	10	N	N	70	N	30	N	200	N	N
B375	N	10	N	N	100	N	20	N	150	N	.11
B478	N	5	N	N	30	N	N	N	200	N	<.02
B475	N	10	N	<100	30	N	30	N	150	N	N
B476	N	7	N	N	30	N	30	N	150	N	.02
B477	N	7	N	N	30	N	30	N	500	N	N
M492	N	N	N	N	10	N	<10	N	15	N	<.02
M493	N	N	N	N	10	N	<10	N	70	N	<.02
B493	N	10	N	N	50	N	20	N	500	N	<.02
B494	N	10	N	N	50	N	50	N	700	N	N
B495	N	5	N	N	30	N	15	N	200	N	N
B505	N	10	N	N	70	N	30	N	700	N	N
B517	N	10	N	N	30	N	15	N	200	N	.02
ADA017	--	--	N	--	30	N	20	N	--	--	--
ACZ135	--	--	N	--	300	N	50	N	--	--	--
ADA018	--	--	N	--	30	N	20	N	--	--	--
ADA020	--	--	10	--	70	N	70	N	--	--	--
ADA021	--	--	<10	--	30	N	30	N	--	--	--
ADA023	--	--	N	--	70	N	20	N	--	--	--
ADA481	--	--	N	--	30	N	15	N	--	--	--
ADA482	--	--	N	--	50	N	30	N	--	--	--
ADA442	--	--	N	--	30	N	20	N	--	--	--
ADA443	--	--	N	--	70	N	15	N	--	--	--
ADA480	--	--	N	--	30	N	<10	N	--	--	--
ACZ986	--	--	N	--	20	N	15	N	100	--	.02
EFB329	N	7	N	200	70	N	10	N	70	N	.02
B852	N	5	N	150	100	N	20	N	150	N	.06
HS405	N	15	N	700	<10	N	N	N	50	N	.08
HS410	N	N	N	N	70	N	15	N	150	N	N
B132	N	7	N	300	10	N	15	N	<10	--	--
CH151	<100	<5	N	N	30	N	15	N	150	N	<.02
6588	N	7	N	<200	150	<50	30	700	<300	.06	.40
CH149	<100	<20	<10	<100	20	<50	10	<200	100	--	--
HS557	<100	<5	20	N	20	N	10	N	100	N	.02
B27	N	N	N	N	20	N	N	N	30	N	.04
B28	N	N	N	N	N	N	10	N	100	N	.02
B29	N	N	N	N	20	N	30	N	150	N	.02
B30	N	30	N	150	300	N	50	N	300	N	.04
B36	N	30	N	<200	200	N	20	N	200	N	.02
B37	N	10	N	N	50	N	20	N	100	N	.04
B40	N	N	N	N	<10	N	N	N	200	N	N
B41	N	10	N	<100	70	N	20	N	200	N	.05
B33	N	<5	N	N	20	N	<10	N	300	N	.02
B35	N	N	N	N	20	N	10	N	200	N	N
B360	N	N	N	700	70	N	N	N	N	N	.02
B361	N	5	N	N	50	N	20	N	150	N	.02
B362	N	7	N	N	70	N	30	N	150	N	.02
B363	N	7	N	N	50	N	15	N	70	N	.02
B364	N	10	N	1,000	150	N	30	N	150	N	.02
B365	N	10	N	100	70	N	30	N	150	N	.02

sample	latitude	longitude	MAP_NO.	S-FEX	S-MGX	S-CAX	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
B366	47 31 19	113 11 43	816	.30	.07	<.05	.050	30	N	N	N	N
B367	47 31 18	113 11 55	816	2.00	.70	<.05	.100	70	1.0	N	N	70
B368	47 31 10	113 12 10	817	1.00	.70	1.50	.200	500	N	N	N	70
B369	47 31 8	113 12 24	817	1.00	1.00	1.50	.100	500	N	N	N	50
B356	47 31 58	113 13 20	818	3.00	5.00	2.00	.200	700	<.5	N	N	70
B357	47 31 47	113 13 43	818	3.00	3.00	2.00	.200	500	N	N	N	30
B358	47 31 43	113 13 59	818	1.50	1.50	15.00	.150	3,000	N	N	N	70
B359	47 31 36	113 14 17	819	.70	.70	20.00	.070	200	N	N	N	20
M326	47 31 8	113 17 30	820	3.00	2.00	7.00	.200	200	N	N	N	50
M327	47 31 7	113 17 15	820	5.00	3.00	15.00	.200	700	N	N	N	30
B485	47 31 56	113 21 59	821	.15	>10.00	20.00	.002	50	N	200	N	N
B479	47 31 2	113 23 20	822	2.00	.70	.30	.200	1,000	N	200	N	20
B480	47 31 19	113 23 3	822	3.00	.70	.05	.300	300	N	200	N	20
M496	47 31 20	113 25 55	823	5.00	2.00	.70	.300	700	N	200	N	50
M497	47 31 59	113 25 35	823	.70	1.00	.10	.200	150	N	200	N	15
M495	47 31 6	113 26 33	824	2.00	1.50	.07	.200	300	.7	200	N	70
B496	47 31 13	113 27 48	825	.50	.30	<.05	.100	30	N	200	N	20
B497	47 31 26	113 27 36	825	1.50	.50	.05	.150	30	N	200	N	50
B498	47 31 48	113 27 28	825	1.50	1.00	.07	.200	500	N	200	N	30
M506	47 31 14	113 27 18	825	1.00	1.50	.07	.100	200	N	200	N	20
B487	47 31 59	113 29 50	826	1.50	1.00	1.00	.200	500	N	200	N	30
B488	47 31 45	113 29 32	826	20.00	3.00	5.00	>1.000	2,000	N	200	N	30
B489	47 31 39	113 29 25	826	.30	.70	.20	.050	30	N	200	N	10
B490	47 31 23	113 29 26	826	.50	1.00	.07	.100	50	N	200	N	15
B491	47 31 12	113 29 29	826	1.50	1.50	.70	.200	500	N	200	N	30
M009	47 31 5	113 32 28	827	1.50	1.00	1.00	.200	3,000	N	200	N	100
B516	47 31 49	113 34 42	828	1.50	2.00	15.00	.150	700	N	200	N	10
M001	47 31 48	113 35 26	829	1.50	1.50	.70	.150	100	N	N	N	70
AC2077	47 31 46	113 53 35	830	3.00	7.00	10.00	--	700	N	N	--	--
ADA453	47 31 48	113 53 9	830	1.50	5.00	15.00	--	700	N	N	--	--
ADA455	47 31 58	113 53 44	830	3.00	2.00	1.00	--	200	.5	N	--	--
ADA456	47 31 58	113 53 44	830	1.00	1.50	15.00	--	1,000	<.5	N	--	--
ADA457	47 31 58	113 53 44	830	3.00	3.00	5.00	--	700	N	N	--	--
ADA458	47 31 58	113 53 44	830	5.00	2.00	2.00	--	300	N	N	--	--
ADA470	47 31 8	113 53 50	830	3.00	7.00	15.00	--	700	N	N	--	--
ADA479	47 31 7	113 53 40	830	3.00	5.00	15.00	--	700	N	N	--	--
AC2067	47 31 18	113 55 24	831	1.50	3.00	1.00	--	70	N	N	--	--
AC2068	47 31 18	113 55 24	831	1.00	1.50	20.00	--	700	N	N	--	--
AMS903	47 32 12	112 35 24	832	7.00	3.00	5.00	--	2,000	N	N	--	--
B853	47 32 37	112 49 26	833	<.05	3.00	15.00	.005	15	N	N	N	N
B858	47 32 42	112 49 48	834	.20	.20	.10	.200	20	N	N	N	15
HS481	47 32 42	112 56 39	835	3.00	2.00	3.00	.100	1,500	N	N	N	50
HS556	47 32 0	112 56 45	835	5.00	1.50	.50	.300	300	<.5	<200	N	100
B38	47 32 5	113 4 36	836	1.50	1.50	1.00	.150	700	N	N	N	50
B39	47 32 9	113 4 18	836	.70	.30	<.05	.030	150	N	N	N	70
B31	47 32 13	113 6 39	837	.30	1.50	20.00	.015	500	N	N	N	N
B32	47 32 5	113 6 8	837	3.00	.50	2.00	.200	3,000	N	N	N	10
B347	47 32 48	113 10 47	838	7.00	.70	.15	.700	100	N	N	N	150
B348	47 32 55	113 11 11	839	3.00	1.00	1.00	.200	1,000	N	N	N	150
B349	47 32 47	113 11 30	839	3.00	2.00	3.00	.200	3,000	N	N	N	150

Choteau rock--continued

sample	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
B366	100	N	N	N	N	<10	10	N	N	N	5	N
B367	150	1.5	N	N	30	30	50	30	10	N	30	30
B368	150	1.5	N	N	7	50	20	30	N	N	15	10
B369	100	1.0	N	N	5	20	50	N	N	N	10	10
B356	700	1.0	N	N	10	30	100	30	N	N	20	20
B357	150	<1.0	N	N	5	30	5	20	N	N	10	20
B358	200	1.5	N	N	5	50	<5	50	N	N	10	30
B359	<20	N	N	N	N	50	5	N	N	N	10	10
M326	150	1.5	N	N	10	50	10	N	N	N	15	<10
M327	70	1.5	N	N	10	70	15	30	N	N	20	30
B485	N	N	N	N	N	N	5	N	N	N	N	N
B479	300	<1.0	N	N	5	<10	30	20	N	N	5	N
B480	300	1.0	N	N	5	30	10	50	N	N	10	<10
M496	700	1.0	N	N	10	50	15	20	N	N	20	N
M497	500	1.0	N	N	50	10	30	20	N	N	5	N
M495	1,500	2.0	N	N	50	20	20	50	5	N	15	70
B496	200	<1.0	N	N	N	<10	20	N	N	N	5	N
B497	300	<1.0	N	N	N	10	20	20	N	N	<5	N
B498	700	1.0	N	N	<5	20	15	30	N	N	5	10
M506	50	N	N	N	5	10	10	N	N	N	5	N
B487	500	1.0	N	N	10	30	15	20	N	N	15	10
B488	500	N	N	N	150	70	500	30	N	N	100	N
B489	50	N	N	N	N	10	15	N	N	N	10	N
B490	70	<1.0	N	N	N	10	15	N	N	N	10	N
B491	500	N	N	N	5	20	15	N	N	N	10	<10
M009	500	<1.0	N	N	10	30	15	30	N	<10	30	15
B516	100	<1.0	N	N	N	10	5	N	N	N	5	10
M001	300	1.0	N	N	10	20	50	30	N	<10	15	15
AC2077	>5,000	---	---	---	15	30	15	---	N	---	15	<10
ADA453	200	---	---	---	N	15	7	---	N	---	10	10
ADA455	2,000	---	---	---	10	20	<5	---	N	---	30	N
ADA456	3,000	---	---	---	5	15	150	---	N	---	7	200
ADA457	300	---	---	---	15	30	15	---	N	---	15	150
ADA458	1,000	---	---	---	100	30	N	---	N	---	50	N
ADA470	300	---	---	---	5	15	7	---	N	---	15	50
ADA479	700	---	---	---	10	30	5	---	N	---	15	30
AC2067	700	---	---	---	15	30	10	---	N	---	30	<10
AC2068	100	---	---	---	10	15	20	---	N	---	10	70
AMS903	2,000	---	---	---	20	15	10	---	N	---	10	30
B853	N	N	N	N	N	<10	N	N	N	N	N	N
B858	70	N	N	N	N	10	N	20	N	N	<5	N
HS481	2,000	1.5	N	N	100	20	1,500	20	10	N	50	10
HS556	300	<1.0	<10	<20	5	70	20	20	<5	---	<5	<10
B38	200	1.0	<10	N	7	20	70	70	N	N	15	10
B39	300	N	<10	N	N	N	50	N	N	N	<5	10
B31	N	N	<10	N	N	N	<5	N	N	N	N	N
B32	>5,000	N	<10	N	5	20	30	20	N	N	15	<10
B347	100	<1.0	N	N	N	15	10	30	N	N	15	N
B348	3,000	3.0	N	N	10	20	10	30	N	N	20	N
B349	500	3.0	N	N	10	30	70	N	N	N	10	70

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
B366	N	N	N	N	N	N	N	N	50	N	.02
B367	N	7	N	N	70	N	20	N	100	N	.13
B368	N	10	N	<100	70	N	30	N	200	N	N
B369	N	5	N	N	50	N	15	N	200	N	N
B356	N	10	N	100	70	N	20	N	70	N	.21
B357	N	5	N	N	50	N	15	N	150	N	.04
B358	N	10	N	200	70	N	70	N	150	N	N
B359	N	<5	N	300	100	N	15	N	10	N	N
M326	N	10	N	N	100	N	20	N	200	N	.11
M327	N	15	N	N	150	N	20	N	70	N	.19
B485	N	N	N	N	30	N	N	N	N	N	.02
B479	N	5	N	N	15	N	20	N	500	N	<.02
B480	N	7	N	N	70	N	30	N	300	N	.02
M496	N	10	N	N	70	N	15	N	150	N	N
M497	N	<5	N	N	10	N	15	N	300	N	<.02
M495	N	15	N	N	70	N	20	N	100	N	.10
B496	N	<5	N	N	10	N	10	N	100	N	.02
B497	N	5	N	N	30	N	10	N	150	N	.08
B498	N	5	N	N	30	N	20	N	300	N	.06
M506	N	15	N	N	20	N	30	N	70	N	.02
B487	N	7	N	N	30	N	20	N	200	N	<.02
B488	N	50	N	N	1,000	N	50	N	200	N	.02
B489	N	N	N	N	<10	N	N	N	30	N	.02
B490	N	<5	N	N	10	N	N	N	100	N	.30
B491	N	7	N	N	30	N	15	N	300	N	<.02
M009	N	7	N	N	70	N	20	N	200	N	--
B516	N	5	N	<100	20	N	10	N	30	N	.02
M001	N	7	N	N	30	N	15	N	200	N	--
AC2077	--	--	N	N	30	N	30	N	--	--	--
ADA453	--	--	N	N	30	N	20	N	--	--	--
ADA455	--	--	N	N	30	N	20	N	--	--	--
ADA456	--	--	N	N	10	N	20	N	--	--	--
ADA457	--	--	N	N	30	N	15	N	--	--	--
ADA458	--	--	N	N	30	N	30	N	--	--	--
ADA470	--	--	N	N	30	N	20	N	--	--	--
ADA479	--	--	N	N	70	N	30	N	--	--	--
AC2067	--	--	N	N	70	N	30	N	--	--	--
AC2068	--	--	N	N	15	N	50	N	--	--	--
AMS903	--	--	N	N	150	N	15	N	--	--	--
B853	N	N	N	100	10	N	<10	N	<10	N	N
B858	N	N	N	100	20	N	<10	N	150	N	<.02
HS481	N	10	N	100	50	N	20	N	200	N	.10
HS556	<100	5	20	<100	100	<50	20	<200	20	N	--
B38	N	10	N	<100	30	N	20	N	150	N	.02
B39	N	<5	N	N	<10	N	20	N	100	N	N
B31	N	N	N	500	N	N	N	N	N	N	N
B32	N	7	N	100	30	N	30	N	200	N	.02
B347	N	7	N	N	70	N	20	N	700	N	<.02
B348	N	10	N	N	100	N	30	N	150	N	<.02
B349	N	10	N	N	70	N	30	N	100	N	.10

Chateau rock--continued

sample	latitude	longitude	MAP_NO.	S-FEX	S-MGZ	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
B350	47 32 46	113 11 46	839	1.00	1.00	.70	.300	300	N	N	N	70
B351	47 32 43	113 12 5	840	2.00	.70	<.30	.500	700	N	N	N	70
B352	47 32 31	113 12 14	840	.20	.15	<.05	.100	20	N	N	N	N
B353	47 32 26	113 12 26	840	5.00	2.00	<.05	.300	70	N	N	N	100
B354	47 32 13	113 12 55	840	5.00	3.00	2.00	.300	700	.5	N	N	100
B355	47 32 3	113 13 10	841	2.00	.50	.07	.200	50	N	N	N	70
B499	47 32 14	113 27 12	842	3.00	2.00	1.00	.300	700	N	200	N	50
B500	47 32 35	113 27 4	842	1.50	1.00	1.00	.300	700	N	200	N	50
B501	47 32 55	113 27 10	842	3.00	1.50	.15	.200	500	N	200	N	70
M010	47 32 9	113 32 50	843	2.00	.70	.70	.200	1,500	N	N	N	70
ADA401	47 32 1	113 54 58	844	2.00	2.00	3.00	--	300	N	N	--	--
ADA498	47 32 7	113 54 58	844	3.00	5.00	7.00	--	700	N	N	--	--
ADA500	47 32 1	113 54 58	844	3.00	5.00	20.00	--	700	N	N	--	--
ADA497	47 32 16	113 55 2	845	3.00	7.00	10.00	--	1,000	N	N	--	--
B854	47 33 8	112 48 50	846	.70	.10	.15	.100	10	N	N	N	20
B859	47 33 12	112 50 5	847	5.00	1.00	1.50	.500	700	N	N	N	30
HS415	47 33 12	112 51 14	848	1.50	.50	1.00	.500	1,000	<.5	<200	--	<10
HS420	47 33 2	112 51 22	848	7.00	3.00	5.00	1.000	2,000	<.5	<200	--	10
HS7618	47 33 42	112 56 4	849	<.05	3.00	10.00	<.002	10	N	N	--	70
B264	47 33 59	112 57 43	850	3.00	.70	.70	.300	500	N	N	N	N
B265	47 33 52	112 57 41	850	1.50	.15	.15	.070	70	N	N	N	<10
M59	47 33 49	112 57 38	850	.70	5.00	10.00	.010	1,500	N	N	N	N
EFB259	47 33 0	112 58 0	851	2.00	2.00	7.00	.500	500	N	N	N	100
HS532	47 33 48	112 58 27	851	2.00	.70	.20	.100	150	<.5	<200	--	50
B271	47 33 59	112 59 27	852	10.00	5.00	7.00	.700	1,500	N	N	N	<10
HS818	47 33 6	112 59 3	852	10.00	1.50	2.00	1.000	1,000	N	N	N	N
M27	47 33 7	113 1 49	853	.50	.30	<.05	.050	50	N	N	N	10
M28	47 33 10	113 1 32	853	1.50	.70	.05	.150	50	N	N	N	30
M26A	47 33 3	113 2 3	854	2.00	.70	.10	.150	100	1.0	N	N	70
M35	47 33 31	113 4 56	855	.70	.50	N	.050	<10	N	N	N	30
M32	47 33 27	113 5 56	856	1.00	.70	5.00	.100	1,500	1.5	N	N	30
M33	47 33 31	113 5 34	856	2.00	.70	.50	.150	1,000	N	N	N	70
M34	47 33 41	113 5 24	856	.50	.10	N	.030	N	N	N	N	<10
M30	47 33 31	113 6 43	857	1.50	1.00	.07	.100	150	N	N	N	<10
M31	47 33 19	113 6 14	857	5.00	.70	2.00	.100	1,000	N	N	N	150
M29	47 33 40	113 7 2	858	1.50	.50	.07	.100	100	N	N	N	20
M328	47 33 42	113 11 28	859	.15	.50	20.00	.010	30	N	N	N	N
M329	47 33 22	113 11 23	859	.10	.70	20.00	.010	10	N	N	N	N
M330	47 33 16	113 11 39	859	5.00	1.00	.30	.150	100	N	N	N	70
M331	47 33 15	113 12 7	860	2.00	.30	.05	.100	50	N	N	N	30
M332	47 33 16	113 12 20	860	2.00	.70	1.50	.150	500	N	N	N	70
M333	47 33 15	113 12 32	860	.50	.30	<.05	.050	30	N	N	N	30
M334	47 33 23	113 12 40	860	.15	.10	<.05	.030	15	N	N	N	20
M335	47 33 23	113 12 54	860	3.00	.70	.30	.150	150	N	N	N	70
M336	47 33 5	113 13 53	861	3.00	7.00	7.00	.150	700	N	N	N	50
M337	47 33 9	113 14 11	862	3.00	.70	10.00	.300	3,000	N	N	N	150
M338	47 33 17	113 14 26	862	2.00	.70	1.00	.300	700	N	N	N	100
M339	47 33 9	113 14 41	862	.05	.30	20.00	.020	20	N	N	N	N
M340	47 33 14	113 15 4	863	.30	1.00	20.00	.020	20	N	N	N	N
M341	47 33 22	113 15 22	863	.05	7.00	10.00	.002	<10	N	N	N	N

sample	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
B350	150	1.0	N	N	10	20	5	N	N	N	15	10
B351	300	1.5	N	N	N	15	10	N	N	N	10	10
B352	150	<1.0	N	N	N	10	5	N	N	N	5	N
B353	300	<1.0	N	N	20	70	7	30	N	N	30	N
B354	300	1.0	N	N	30	30	1,500	30	N	N	70	50
B355	300	<1.0	N	N	N	50	10	30	N	N	7	N
B499	1,000	1.0	N	N	<5	30	15	20	N	N	15	N
B500	700	1.0	N	N	N	30	15	20	N	N	5	N
B501	300	2.0	N	N	5	50	10	30	N	N	10	N
M010	300	1.0	N	N	15	30	10	30	N	N	30	<10
ADA401	1,000	--	--	--	20	30	200	--	N	<10	15	30
ADA498	300	--	--	--	15	70	15	--	N	--	30	70
ADA500	150	--	--	--	7	70	10	--	N	--	20	50
ADA497	200	--	--	--	10	20	10	--	N	--	20	10
B854	500	N	N	N	10	15	N	30	N	N	<5	10
B859	700	<1.0	N	N	15	70	50	20	N	N	70	<10
HS415	150	<1.0	<10	<20	<5	5	10	30	<5	--	<5	70
HS420	200	<1.0	<10	<20	20	30	100	<20	<5	--	30	10
HS7618	200	N	N	N	5	7	5	N	N	--	N	N
B264	1,000	N	N	N	5	N	50	30	N	N	5	20
B265	1,000	N	N	N	N	30	N	N	N	N	15	N
M59	1,500	N	N	N	N	50	5	N	N	N	N	N
EFB259	500	5.0	N	N	10	50	15	--	N	N	15	15
HS532	1,000	1.0	<10	<20	15	20	5	<20	<5	--	20	10
B271	700	N	N	N	50	100	500	<20	N	<10	50	100
HS818	200	N	N	N	50	N	300	N	N	<10	30	10
M27	300	N	N	N	N	N	70	N	N	N	N	N
M28	300	N	N	N	10	20	30	<20	N	N	15	N
M26A	300	1.0	N	N	20	15	500	<20	N	N	15	15
M35	200	N	N	N	N	N	10	N	N	N	5	200
M32	>5,000	<1.0	<10	N	<5	<10	300	30	30	N	15	10
M33	700	1.5	<10	N	7	15	300	20	N	N	<5	N
M34	200	N	<10	N	N	N	N	N	N	N	7	200
M30	300	N	<10	N	7	N	N	N	N	N	15	10
M31	>5,000	3.0	<10	N	<5	N	100	<20	N	N	15	N
M29	200	<1.0	<10	N	<5	N	<5	<20	N	N	15	<10
M328	N	<1.0	N	N	N	N	<5	N	N	N	15	N
M329	20	<1.0	N	N	N	N	<5	20	N	N	5	N
M330	70	<1.0	N	N	10	10	5	20	N	N	7	N
M331	70	1.0	N	N	N	30	7	20	N	N	5	N
M332	2,000	2.0	N	N	5	N	10	N	N	N	5	N
M333	150	<1.0	N	N	N	N	<5	N	N	N	20	N
M334	70	<1.0	N	N	N	30	<5	N	N	N	15	20
M335	500	1.5	N	N	N	30	70	20	N	N	15	30
M336	70	1.0	N	N	N	50	50	50	N	N	15	10
M337	>5,000	3.0	N	N	N	15	5	30	N	N	15	10
M338	300	1.0	N	N	10	20	<5	N	N	N	<5	N
M339	150	N	10	N	N	15	<5	N	N	N	<5	N
M340	N	<1.0	N	N	N	15	<5	N	N	N	N	N
M341	N	N	N	N	N	N	10	N	N	N	N	N

Chateau rock--continued

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
B350	N	5	N	N	50	N	20	N	200	N	.16
B351	N	<5	N	N	50	N	30	N	300	N	<.02
B352	N	N	N	N	N	N	10	N	70	N	N
B353	N	7	N	N	70	N	30	N	500	N	.03
B354	N	15	N	N	100	N	30	N	150	N	.12
B355	N	5	N	N	30	N	15	N	150	N	.04
B499	N	7	N	N	50	N	30	N	300	N	.08
B500	N	7	N	N	30	N	20	N	500	N	.06
B501	N	10	N	N	30	N	50	N	200	N	.02
M010	N	10	N	N	70	N	30	N	300	N	--
ADA401	--	--	10	--	20	N	20	N	--	--	--
ADA498	--	--	N	--	50	N	30	N	--	--	--
ADA500	--	--	N	--	30	N	30	N	--	--	--
ADA497	--	--	N	--	50	N	15	N	--	--	--
B854	N	<5	N	150	100	N	<10	N	70	N	.02
B859	N	15	N	200	200	N	20	N	150	N	.02
HS415	<100	7	<10	700	100	<50	5	<200	200	N	--
HS420	<100	30	<10	300	200	<50	30	<200	100	N	--
HS761B	N	N	20	5,000	10	N	5	N	N	N	--
B264	N	15	N	300	100	N	15	N	100	N	.04
B265	N	N	N	N	30	N	15	N	300	N	.06
M59	N	N	N	300	15	N	N	N	N	N	.05
EFB259	N	7	N	150	70	N	20	N	150	N	.02
HS532	<100	5	<10	300	30	100	10	<200	100	N	--
B271	N	50	N	N	300	N	50	300	150	N	.03
HS818	N	50	N	150	200	N	50	N	150	N	.04
M27	N	N	N	N	N	N	15	N	200	N	.04
M28	N	<5	N	N	30	N	10	N	150	N	.14
M26A	N	5	N	N	30	N	15	N	200	N	N
M35	N	N	N	N	15	N	N	N	100	N	N
M32	N	N	N	<500	30	N	30	N	150	N	.04
M33	N	5	N	N	50	N	20	N	200	N	N
M34	N	N	N	N	<10	N	N	N	70	N	N
M30	N	<5	N	N	100	N	10	N	100	N	.07
M31	N	<5	N	N	30	N	30	N	150	N	N
M29	N	<5	N	N	30	N	15	N	300	N	.02
M328	N	N	N	300	70	N	N	N	N	N	.03
M329	N	N	N	300	50	N	N	N	N	N	.03
M330	N	7	N	N	70	N	20	N	100	N	.04
M331	N	5	N	N	30	N	70	N	100	N	.04
M332	N	7	N	150	70	N	30	N	150	N	.04
M333	N	N	N	N	10	N	N	N	70	N	.04
M334	N	N	N	N	10	N	N	N	70	N	.02
M335	N	<10	N	N	100	N	10	N	100	N	.02
M336	N	10	N	N	70	N	20	N	70	N	.10
M337	N	N	N	N	150	N	50	N	300	N	N
M338	N	10	N	N	70	N	30	N	700	N	N
M339	N	N	N	300	50	N	10	N	N	N	.02
M340	N	N	N	100	70	N	10	N	N	N	.02
M341	N	N	N	N	70	N	N	N	N	N	N

sample	Latitude	Longitude	MAP_NO.	S-FEX	S-MGX	S-CAX	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
B502	47 33 25	113 27 28	864	3.00	1.50	.10	.300	300	N	200	N	70
B515	47 33 18	113 34 38	865	3.00	7.00	7.00	.300	1,000	N	200	N	30
AC2996	47 33 44	113 51 50	866	2.00	3.00	2.00	--	500	N	N	--	--
AC2997	47 33 37	113 53 43	867	3.00	3.00	.70	--	100	N	N	--	--
EFB332	47 34 0	112 24 0	868	2.00	1.50	3.00	.200	500	N	N	N	100
AMS902	47 34 48	112 41 24	869	15.00	.70	15.00	--	1,500	N	N	--	--
EFB309	47 34 0	112 49 0	870	3.00	.70	.20	.500	300	N	N	N	150
HS406	47 34 6	112 52 14	871	10.00	.70	20.00	.300	3,000	N	N	N	20
M53	47 34 33	112 55 37	872	<.05	3.00	15.00	.010	N	N	N	N	N
B261	47 34 27	112 58 9	873	3.00	.70	.30	.300	500	N	N	N	<10
B263	47 34 12	112 58 5	873	1.50	.20	<.05	.200	<10	N	N	N	20
B268	47 34 9	112 59 49	874	2.00	1.00	.15	.150	200	N	N	N	50
B269	47 34 13	112 59 36	874	2.00	1.50	.70	.150	500	N	N	N	50
B270	47 34 6	112 59 35	874	3.00	2.00	3.00	.100	500	N	N	N	70
B59	47 34 57	113 1 53	875	.10	.70	20.00	.007	70	N	N	N	N
B60	47 34 39	113 1 59	875	.10	1.00	20.00	.005	30	N	N	N	N
B63	47 34 52	113 2 54	876	20.00	.30	.15	.030	700	N	N	N	10
B904	47 34 40	113 2 41	876	3.00	2.00	15.00	.200	500	N	N	N	100
B64	47 34 47	113 3 1	877	1.00	.15	<.05	.030	<10	N	N	N	10
B65	47 34 38	113 3 2	877	.15	1.50	20.00	.020	20	N	N	N	N
M36	47 34 18	113 3 51	877	.50	.15	N	.030	N	N	N	N	15
M41	47 34 43	113 6 42	878	1.50	.50	.07	.150	70	N	N	N	30
M37	47 34 25	113 7 14	879	3.00	.30	5.00	.050	1,500	N	N	N	70
M37A	47 34 28	113 7 14	879	1.50	.50	.07	.050	150	N	N	N	70
M38	47 34 38	113 7 37	879	3.00	.70	<.05	.150	150	N	N	N	<10
M40	47 34 46	113 7 2	879	.30	.30	<.05	.100	<10	N	N	N	15
B598	47 34 13	113 18 32	880	1.50	2.00	15.00	.070	300	N	N	N	50
B486	47 34 9	113 22 44	881	.10	1.00	>20.00	.020	70	N	N	N	N
B506	47 34 20	113 31 37	882	5.00	7.00	10.00	.150	1,000	N	N	N	50
B508	47 34 42	113 31 8	882	3.00	5.00	1.50	.200	300	N	N	N	30
B507	47 34 44	113 32 38	883	2.00	1.00	.10	.300	500	N	N	N	30
B514	47 34 23	113 35 45	884	1.50	2.00	10.00	.200	700	N	N	N	20
M011	47 34 34	113 35 25	884	1.50	2.00	20.00	.050	1,000	N	N	N	10
AC2052	47 34 14	113 52 54	885	2.00	3.00	2.00	--	200	N	N	--	--
AC2051	47 34 5	113 53 44	886	.30	.70	5.00	--	200	N	N	--	--
AC2049	47 34 4	113 53 4	887	3.00	2.00	10.00	--	300	N	N	--	--
AMS912	47 35 0	112 35 12	888	2.00	.70	.20	--	100	N	N	--	--
B855	47 35 3	112 48 56	889	.10	10.00	15.00	.007	100	N	N	N	N
B856	47 35 25	112 51 13	890	5.00	1.00	1.50	1.000	700	N	N	N	<10
HS422	47 35 45	112 53 50	891	3.00	.70	.70	.300	500	N	N	N	N
HS421	47 35 30	112 54 48	892	3.00	.70	.70	.300	500	N	N	N	N
B178	47 35 51	112 55 50	893	10.00	2.00	2.00	.700	700	N	N	N	N
B179	47 35 40	112 55 37	893	1.00	.30	.15	.150	1,000	N	N	N	<10
B180	47 35 28	112 56 9	894	.30	1.00	20.00	.007	70	N	N	N	N
HS501	47 35 35	112 56 55	894	.20	5.00	7.00	.030	300	N	N	N	<10
M52	47 35 54	112 56 24	894	N	5.00	10.00	.002	150	N	N	N	N
HS717	47 35 19	113 0 54	895	7.00	3.00	15.00	.700	5,000	1.5	<200	N	500
M016	47 35 31	113 0 25	895	3.00	3.00	15.00	.010	>5,000	<.5	<200	--	10
B58	47 35 16	113 1 53	896	.15	.70	20.00	.007	50	N	N	N	N
HS756	47 35 7	113 1 9	896	.50	2.00	20.00	.030	500	<.5	<200	N	<10

Choteau rock--continued

sample	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
B502	700	1.0	N	N	10	50	15	20	N	N	15	10
B515	500	1.0	N	N	5	30	10	20	N	N	10	10
AC2996	700	--	--	--	5	30	15	--	N	--	10	<10
AC2997	500	--	--	--	<5	70	15	--	N	--	15	<10
EFB332	500	5.0	N	N	7	70	20	--	<5	N	20	30
AMS902	700	--	--	--	20	100	20	--	30	--	150	150
EFB309	500	5.0	N	N	15	100	30	--	N	N	70	30
HS406	500	5.0	N	N	10	30	30	150	N	N	20	70
M53	N	N	N	N	N	N	20	N	N	N	N	N
B261	1,500	N	N	N	15	20	15	30	N	N	20	15
B263	300	<1.0	N	N	<5	30	N	30	N	N	15	<10
B268	700	1.0	N	N	10	50	15	20	N	N	15	10
B269	500	<1.0	N	N	15	30	30	30	N	N	15	15
B270	5,000	1.5	N	N	7	30	2,000	20	N	N	15	10
B59	N	N	N	N	N	N	N	N	N	N	N	N
B60	N	N	N	N	N	N	N	N	N	N	N	N
B63	100	2.0	N	N	N	<10	20	N	N	N	7	20
B904	700	1.0	N	N	5	50	15	50	N	N	15	10
B64	200	N	N	N	N	N	20	N	N	N	<5	N
B65	N	N	N	N	N	N	<5	N	N	N	<5	N
M36	300	N	<10	N	N	N	10	N	N	N	15	N
M41	1,000	N	N	N	5	15	5	<20	N	N	15	N
M37	1,000	1.5	<10	N	N	N	10	30	N	N	<5	N
M37A	1,500	2.0	<10	N	<5	N	70	N	N	N	5	30
M38	200	<1.0	<10	N	15	15	100	50	N	N	10	<10
M40	300	N	N	N	N	N	5	N	N	N	5	N
B598	300	1.0	N	N	5	30	20	30	N	N	10	15
B486	N	N	N	N	N	N	<5	N	N	N	N	N
B506	300	1.0	N	N	5	30	5	20	N	N	20	20
B508	100	1.0	N	N	<5	15	5	N	N	N	10	N
B507	300	1.0	N	N	5	30	20	30	N	N	10	30
B514	200	<1.0	N	N	N	10	5	N	N	N	5	15
M011	70	N	N	N	N	5	7	20	N	N	<5	<10
AC2052	300	--	--	--	20	15	20	--	N	--	15	20
AC2051	300	--	--	--	N	10	30	--	N	--	10	15
AC2049	500	--	--	--	15	30	15	--	N	--	20	10
AMS912	--	--	--	--	7	--	2	--	N	--	20	20
B855	N	N	N	N	N	50	N	N	N	N	<5	N
B856	1,500	<1.0	N	N	7	<10	70	50	N	N	15	15
HS422	1,000	1.0	N	N	15	N	100	50	N	N	N	20
HS421	700	<1.0	N	N	10	N	100	30	N	N	N	15
B178	150	N	N	N	70	30	500	N	N	N	30	10
B179	300	1.0	N	N	10	20	7	30	N	N	7	10
B180	<20	N	N	N	N	N	N	N	N	N	N	N
HS501	50	N	N	N	N	<10	30	N	N	N	<5	10
M52	N	N	N	N	N	N	30	N	N	N	N	<10
HS717	5,000	7.0	<10	<20	20	100	2,000	N	N	N	70	100
M016	>5,000	<1.0	<10	<20	<5	5	30	<20	<5	--	<5	300
B58	N	N	N	N	N	N	N	N	N	N	N	N
HS756	100	<1.0	<10	<20	<5	30	<5	<20	<5	N	<5	<10

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
B502	N	10	N	N	50	N	20	N	200	N	.02
B515	N	5	N	N	30	N	10	N	70	N	.04
AC2996	--	--	N	--	50	N	20	N	--	--	--
AC2997	--	--	N	--	70	N	15	N	--	--	--
EF8332	N	7	N	200	70	N	20	N	100	--	.04
AMS902	--	--	N	--	15	N	20	1,500	--	--	--
EFB309	N	20	N	100	150	N	20	N	200	--	.04
HS406	N	15	N	500	30	N	300	N	700	N	.06
M53	N	N	N	150	<10	N	<10	N	N	N	.02
B261	N	10	N	150	100	N	20	N	150	N	.02
B263	N	7	N	N	100	N	10	N	150	N	.05
B268	N	10	N	N	50	N	15	N	150	N	.04
B269	N	7	N	N	50	N	15	N	150	N	.08
B270	N	7	N	150	100	N	20	N	150	N	.02
B59	N	N	N	300	<10	N	N	N	N	N	.05
B60	N	N	N	300	<10	N	N	N	N	N	N
B63	N	N	N	N	50	N	<10	500	10	N	.40
B904	N	7	N	N	50	N	30	N	150	N	.02
B64	N	N	N	N	<10	N	<10	N	100	N	.02
B65	N	N	N	300	N	N	N	N	10	N	N
M36	N	N	N	N	N	N	N	N	70	N	.02
M41	N	5	N	N	10	N	N	N	150	N	N
M37	N	<5	N	N	30	N	10	N	30	N	.06
M37A	N	<5	N	N	100	N	30	N	150	N	.03
M38	N	<5	N	N	70	N	<10	N	50	N	.05
M40	N	N	N	N	30	N	15	N	500	N	N
B598	N	15	N	150	<10	N	10	N	150	N	.02
B486	N	N	N	500	70	N	20	N	70	N	.02
B506	N	15	N	N	30	N	15	N	150	N	.02
B508	N	5	N	N	30	N	15	N	300	N	<.02
B507	N	15	N	N	30	N	20	N	50	N	.06
B514	N	5	N	N	20	N	10	N	10	--	--
M011	N	<5	N	700	<10	N	15	N	10	--	--
AC2052	--	--	N	--	50	N	15	N	--	--	--
AC2051	--	--	N	--	20	N	20	N	--	--	--
AC2049	--	--	N	--	50	N	30	N	--	--	--
AMS912	--	--	N	--	150	N	10	N	--	--	--
B855	N	N	N	N	10	N	<10	N	<10	N	<.02
B856	N	10	N	1,000	200	N	20	N	200	N	.04
HS422	N	15	N	500	150	N	20	N	150	N	.05
HS421	N	10	N	500	150	N	15	N	150	N	.04
B178	N	30	N	200	150	N	50	N	150	N	N
B179	N	10	N	N	50	N	15	N	70	N	.02
B180	N	N	N	500	10	N	N	N	10	N	N
HS501	N	<5	N	500	20	N	10	N	30	N	.02
M52	N	N	N	<100	N	N	N	N	N	N	.03
HS717	<100	<15	<10	<700	150	<50	70	<200	1,000	.06	.06
M016	<100	<5	<10	1,000	10	<50	15	<200	10	--	--
B58	N	N	N	300	<10	N	N	N	N	N	.02
HS756	<100	<5	<10	1,500	20	<50	<10	<200	<10	N	.02

Chateau rock--continued

sample	Latitude	Longitude	MAP_NO.	S-FEZ	S-MGZ	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
B61	47 35 16	113 2 18	897	N	7.00	10.00	.002	N	N	N	N	N
B62	47 35 0	113 2 54	897	3.00	7.00	10.00	.007	2,000	N	N	N	<10
M50	47 35 57	113 2 26	897	1.50	5.00	15.00	.100	300	N	N	N	30
M51	47 35 52	113 2 52	897	.07	3.00	15.00	.020	20	N	N	N	<10
B54	47 35 50	113 4 28	898	.70	.50	N	.030	<10	N	N	N	10
M43	47 35 0	113 4 18	898	.70	.15	N	.020	<10	N	N	N	N
M44	47 35 39	113 4 16	898	.70	.20	<.05	.150	50	N	N	N	30
M42	47 35 1	113 5 31	899	1.50	1.00	.70	.200	500	N	N	N	50
B42	47 35 49	113 6 20	900	2.00	.70	.70	.200	500	N	N	N	50
B43	47 35 57	113 6 22	900	1.50	1.00	1.00	.300	500	N	N	N	50
M39	47 35 1	113 7 37	901	1.50	.50	.10	.200	70	.7	N	N	20
M540	47 35 53	113 15 7	902	15.00	3.00	7.00	>1.000	1,000	N	N	N	100
M541	47 35 53	113 15 29	902	15.00	5.00	7.00	>1.000	2,000	N	N	N	15
M542	47 35 50	113 15 56	902	20.00	3.00	>20.00	.300	3,000	N	N	N	50
M543	47 35 42	113 16 9	903	3.00	3.00	15.00	.300	5,000	N	N	N	70
M544	47 35 34	113 16 15	903	5.00	2.00	2.00	.200	1,500	N	N	N	100
M545	47 35 21	113 16 23	903	1.50	5.00	15.00	.050	500	<.5	N	N	50
B599	47 35 50	113 18 8	904	1.50	5.00	20.00	.070	300	N	N	N	70
B018	47 35 14	113 25 33	905	10.00	3.00	3.00	>1.000	1,500	N	N	N	<10
B510	47 35 18	113 33 50	906	3.00	1.50	3.00	.300	3,000	N	200	N	70
B511	47 35 22	113 34 59	907	3.00	7.00	10.00	.300	1,000	N	200	N	50
AC2946	47 35 53	113 53 5	908	2.00	3.00	7.00	--	300	N	N	N	--
ADA492	47 35 16	113 53 27	908	5.00	10.00	15.00	--	1,500	N	N	N	--
ADA473	47 35 16	113 55 45	909	3.00	3.00	.50	--	150	N	N	N	--
ADA477	47 35 17	113 55 1	909	2.00	5.00	15.00	--	1,000	N	N	N	--
ADA478	47 35 17	113 55 1	909	1.50	3.00	15.00	--	700	N	N	N	--
AC2963	47 35 57	113 56 52	910	1.00	1.00	.70	--	300	N	N	N	--
AC2964	47 35 54	113 56 48	910	3.00	3.00	2.00	--	1,000	N	N	N	--
AC2965	47 35 51	113 56 45	910	3.00	1.50	2.00	--	300	N	N	N	--
AC2966	47 35 51	113 56 44	910	1.00	.70	3.00	--	200	N	N	N	--
AMS901	47 36 15	112 45 0	911	15.00	.30	2.00	--	10	N	N	N	--
HS90	47 36 3	112 49 58	912	1.50	.20	.50	.100	300	<.5	<200	N	20
EFB260	47 36 0	112 53 0	913	3.00	1.00	5.00	.300	200	N	N	N	150
EFB261	47 36 0	112 53 0	913	2.00	.70	7.00	.150	300	.5	N	N	100
EFB262	47 36 0	112 53 0	913	2.00	.50	.15	.300	70	.5	N	N	150
EFB263	47 36 0	112 53 0	913	1.50	.70	.15	.300	150	.5	N	N	150
B171	47 36 59	112 53 55	913	.30	.20	N	.070	<10	N	N	N	30
HS423	47 36 32	112 53 0	913	2.00	.70	1.00	.150	150	N	N	N	20
HS533	47 36 20	112 53 3	913	1.50	.70	5.00	.500	N	<.5	<200	N	50
M45	47 36 14	112 53 12	913	3.00	.30	.20	.150	300	N	N	N	20
B174	47 36 57	112 55 11	914	3.00	.30	2.00	.150	500	N	N	N	15
B175	47 36 47	112 55 23	914	3.00	5.00	7.00	.300	1,500	N	N	N	70
B176	47 36 19	112 55 23	914	3.00	1.00	10.00	.500	2,000	N	N	N	50
B177	47 36 12	112 55 45	914	2.00	5.00	7.00	.050	500	N	N	N	50
B66	47 36 21	112 56 49	915	<.05	7.00	10.00	.007	70	N	N	N	N
HS499	47 36 2	112 56 53	915	1.00	1.00	7.00	.100	500	N	N	N	30
HS516	47 36 51	112 56 6	915	3.00	.70	.70	.200	500	N	N	N	N
HS496	47 36 9	112 57 41	916	2.00	.20	<.05	.150	70	N	N	N	15
HS500	47 36 7	112 57 15	916	.10	.10	N	.100	N	N	N	N	<10
HS494	47 36 17	112 58 12	917	10.00	3.00	2.00	1.000	1,500	<.5	<200	N	20

sample	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
B61	N	N	N	N	N	N	<5	N	N	N	N	<10
B62	N	N	N	N	10	N	20	N	N	N	<5	<10
M50	100	N	N	N	10	N	30	N	N	N	20	<10
M51	N	N	N	N	N	N	20	N	N	N	N	N
B54	200	N	<10	N	N	N	10	N	N	N	5	N
M43	200	N	N	N	N	N	<5	N	N	N	<5	<10
M44	500	N	N	N	N	N	15	N	N	N	15	15
M42	300	N	N	N	7	N	15	30	N	N	15	<10
B42	300	<1.0	<10	N	10	50	7	30	N	N	15	10
B43	300	1.5	<10	N	15	70	10	50	N	N	15	10
M39	300	1.0	N	N	5	30	100	20	30	N	10	20
M540	300	1.5	N	N	50	70	500	<20	100	N	50	N
M541	>5,000	N	N	N	50	50	300	N	N	N	70	15
M542	>5,000	N	N	N	15	70	7,000	70	N	N	20	20
M543	500	1.0	N	N	30	50	300	70	N	N	20	20
M544	700	1.5	N	N	10	50	20	20	N	N	30	15
M545	700	1.0	N	N	20	15	15	30	N	N	15	70
B599	200	<1.0	N	N	5	30	30	20	N	N	10	15
B018	1,000	N	N	N	70	70	300	N	N	<10	70	<10
B510	1,000	1.0	N	N	5	20	<5	N	N	N	10	10
B511	1,000	1.0	N	N	5	30	5	30	N	N	10	20
AC2946	150	--	--	--	15	50	10	--	N	--	15	30
ADA492	500	--	--	--	15	15	20	--	N	--	20	10
ADA473	500	--	--	--	15	70	<5	--	N	--	15	<10
ADA477	150	--	--	--	15	20	<5	--	N	--	20	20
ADA478	200	--	--	--	5	20	<5	--	N	--	10	10
AC2963	200	--	--	--	7	15	30	--	N	--	15	<10
AC2964	500	--	--	--	20	30	15	--	N	--	30	15
AC2965	500	--	--	--	15	30	20	--	N	--	30	50
AC2966	300	--	--	--	5	15	30	--	N	--	15	10
AMS901	300	--	--	--	5	50	7	--	30	--	100	50
HS90	200	1.0	<10	<20	<5	10	7	20	<5	--	5	10
EFB260	500	5.0	N	N	10	70	20	--	10	N	50	10
EFB261	500	5.0	N	N	10	50	30	--	15	N	50	15
EFB262	500	5.0	N	N	7	70	20	--	N	N	20	20
EFB263	700	5.0	N	N	10	70	20	--	N	N	30	20
B171	300	N	N	N	N	10	<5	<20	N	N	5	<10
HS423	300	<1.0	N	N	7	20	30	30	N	N	15	10
HS533	500	<1.0	<10	<20	7	50	70	30	<5	N	10	15
M45	2,000	<1.0	N	N	<5	20	15	20	N	N	10	10
B174	150	N	N	N	10	30	10	20	N	N	20	<10
B175	700	3.0	N	N	10	70	20	30	N	<10	30	15
B176	200	2.0	N	N	10	70	10	50	N	N	20	<10
B177	100	<1.0	N	N	N	10	7	30	N	<10	5	30
B66	N	N	N	N	N	N	10	N	N	N	N	N
HS499	1,000	1.0	N	N	7	30	15	100	N	N	10	10
HS516	1,500	<1.0	N	N	15	30	20	20	N	N	30	<10
HS496	150	<1.0	N	N	7	15	30	N	N	N	10	N
HS500	150	N	N	N	N	15	20	20	N	N	<5	<10
HS494	300	N	<10	<20	50	30	200	<20	<5	N	50	20

Chateau rock--continued

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
B61	N	N	N	N	<10	N	N	N	N	N	N
B62	N	N	N	<100	<10	N	N	N	N	N	.02
M50	N	<5	N	<150	30	N	<10	N	<50	N	.04
M51	N	N	N	200	N	N	N	N	N	N	.02
B54	N	N	N	N	15	N	N	N	70	N	.02
M43	N	N	N	N	10	N	N	N	50	N	.02
M44	N	N	N	N	15	N	N	N	150	N	N
M42	N	10	N	N	70	N	<10	N	200	N	N
B42	N	10	N	N	50	N	30	N	200	N	.02
B43	N	15	N	N	70	N	50	N	700	N	N
M39	N	7	N	N	70	N	15	N	150	N	N
M540	N	50	N	<100	700	N	50	N	150	N	.12
M541	N	50	N	<150	1,000	N	70	N	200	N	.06
M542	N	10	N	500	300	N	50	N	300	N	.14
M543	N	15	N	150	100	N	70	N	200	N	.12
M544	N	15	N	<100	70	N	30	N	150	N	.04
M545	N	5	N	100	70	N	30	700	70	N	.22
B599	N	7	N	150	70	N	20	N	70	N	.02
B018	N	50	N	100	300	N	50	N	150	--	--
B510	N	7	N	100	30	N	15	N	200	N	<.02
B511	N	7	N	N	50	N	15	N	100	N	.02
AC2946	--	--	N	--	50	N	20	N	--	--	--
ADA492	--	--	N	--	20	N	15	N	--	--	--
ADA473	--	--	N	--	100	N	20	N	--	--	--
ADA477	--	--	N	--	30	N	20	N	--	--	--
ADA478	--	--	N	--	30	N	15	N	--	--	--
AC2963	--	--	N	--	20	N	15	N	--	--	--
AC2964	--	--	N	--	70	N	30	N	--	--	--
AC2965	--	--	N	--	50	N	30	N	--	--	--
AC2966	--	--	N	--	30	N	20	N	--	--	--
AMS901	--	--	10	--	30	N	10	200	--	--	--
HS90	<100	<5	<10	500	50	<50	<10	<200	70	--	--
EFB260	N	10	N	150	150	N	20	N	100	--	.04
EFB261	N	7	N	200	100	N	15	N	70	--	.08
EFB262	N	10	N	100	150	N	20	N	150	--	<.02
EFB263	N	10	N	150	150	N	20	N	150	--	<.02
B171	N	N	N	N	<10	N	<10	N	150	N	N
HS423	N	<7	N	150	50	N	30	N	150	N	.18
HS533	<100	N	<10	N	100	<50	20	<200	500	N	.08
M45	N	7	N	100	70	N	15	N	200	N	.09
B174	N	<5	N	100	70	N	20	N	500	N	.16
B175	N	N	N	N	150	N	30	N	500	N	.09
B176	N	N	N	N	100	N	30	N	500	N	.08
B177	N	<5	N	N	15	N	15	N	N	N	.03
B66	N	N	N	100	<10	N	<10	N	70	N	N
HS499	N	5	N	300	20	N	70	N	N	N	.04
HS516	N	10	N	200	150	N	20	N	150	N	.06
HS496	N	N	N	N	30	N	15	N	300	N	.07
HS500	N	<5	N	N	70	N	<10	N	70	N	.08
HS494	<100	30	<10	500	500	<50	50	<200	150	N	.08

sample	latitude	longitude	MAP_NO.	S-FEX	S-MGX	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
HS498	47 36 26	112 58 49	917	10.00	2.00	3.00	1.000	1,500	<.5	<200	N	20
M017	47 36 22	112 58 38	917	3.00	1.50	3.00	.700	1,000	<.5	<200	--	10
M48	47 36 2	113 1 22	918	.50	1.00	15.00	.007	300	N	N	N	N
M49	47 36 8	113 2 0	919	1.50	.30	15.00	.030	1,500	N	N	N	<10
M49A	47 36 8	113 2 26	919	3.00	3.00	7.00	.200	700	N	N	N	30
B51	47 36 48	113 4 57	920	1.00	.20	N	.030	50	N	N	N	50
B52	47 36 59	113 4 47	920	.30	.15	N	.050	N	N	N	N	<10
B53	47 36 48	113 4 45	920	.20	.05	N	.020	N	N	N	N	<10
B48	47 36 21	113 5 44	921	1.50	7.00	10.00	.200	2,000	N	N	N	10
B49	47 36 35	113 5 32	921	1.00	.70	.30	.150	200	N	N	N	30
B50	47 36 45	113 5 16	921	1.00	.50	.30	.150	200	N	N	N	20
B44	47 36 6	113 6 22	922	2.00	1.00	.10	.300	700	1.5	N	N	50
B45	47 36 14	113 6 31	922	1.50	.30	.30	.050	20	N	N	N	20
B46	47 36 21	113 6 33	922	.15	.15	N	.015	N	N	N	N	N
B47	47 36 10	113 6 5	922	1.50	.70	.20	.200	150	N	N	N	30
M536	47 36 26	113 13 32	923	.70	3.00	>20.00	.030	200	N	N	N	15
M537	47 36 23	113 13 56	923	.20	.07	.15	.200	30	N	N	N	150
M538	47 36 16	113 14 29	924	2.00	1.50	7.00	.150	1,500	1.0	N	N	N
M539	47 36 3	113 14 45	924	3.00	.10	.07	.050	20	N	N	N	N
M507	47 36 46	113 26 52	925	.30	.70	<.05	.100	30	N	200	N	30
M508	47 36 55	113 26 6	925	1.00	.30	<.05	.200	70	N	200	N	30
M504	47 36 39	113 28 20	926	2.00	1.00	.07	.200	300	N	200	N	30
B503	47 36 30	113 30 32	927	3.00	2.00	.20	.150	300	N	200	N	20
M501	47 36 43	113 30 2	927	1.00	1.00	.50	.150	500	N	200	N	30
B509	47 36 6	113 32 45	928	7.00	3.00	1.00	.500	>5,000	N	200	N	50
B512	47 36 59	113 34 24	929	5.00	2.00	.07	.300	150	N	200	N	500
B560	47 36 9	113 37 40	930	10.00	5.00	10.00	>1.000	1,500	2.0	N	--	--
AC2945	47 36 13	113 53 44	931	3.00	5.00	10.00	--	1,000	N	N	--	--
AC2940	47 36 24	113 54 59	932	.70	1.50	>20.00	--	1,000	N	N	--	--
AC2944	47 36 23	113 54 15	932	3.00	7.00	10.00	--	1,500	N	N	--	--
AC2961	47 36 5	113 56 55	933	2.00	1.50	2.00	--	500	N	N	--	--
AC2962	47 36 1	113 56 54	933	3.00	2.00	.50	--	150	N	N	--	--
AC2967	47 36 25	113 56 44	933	3.00	5.00	5.00	--	1,000	N	N	--	--
AC2112	47 36 10	113 57 4	934	1.50	1.50	2.00	--	700	N	N	--	--
AC2113	47 36 44	113 57 11	934	5.00	2.00	.30	--	300	N	N	--	--
AC2114	47 36 44	113 57 11	934	1.50	1.00	1.00	--	700	N	N	--	--
EF8295	47 37 0	112 39 0	935	3.00	.70	.30	.500	50	N	N	N	200
EF8297	47 37 0	112 40 0	936	2.00	1.50	1.50	.300	300	<.5	N	N	70
AMS900	47 37 0	112 44 18	937	15.00	.70	3.00	--	>5,000	2.0	N	--	--
EF8296	47 37 0	112 44 0	937	3.00	.30	.20	.700	700	N	N	N	100
EF8265	47 37 0	112 52 0	938	2.00	.70	10.00	.150	300	.5	N	N	200
EF8264	47 37 0	112 53 0	939	3.00	1.00	.30	.500	200	<.5	N	N	15
B167	47 37 5	112 53 22	939	3.00	.30	.10	.150	150	N	N	N	N
B168	47 37 8	112 53 38	939	.20	.03	N	.070	30	N	N	N	N
B169	47 37 10	112 53 47	939	3.00	.70	.05	.150	150	N	N	N	20
B170	47 37 18	112 53 46	939	1.50	1.50	.07	.300	150	N	N	N	70
B172	47 37 1	112 54 20	940	.30	.20	N	.030	<10	N	N	N	50
B173	47 37 45	112 54 57	940	N	7.00	10.00	.002	100	N	N	N	N
HS513	47 37 13	112 57 41	941	.05	2.00	3.00	.003	30	N	N	N	N
HS512	47 37 17	112 58 35	942	1.00	.70	.10	.070	100	N	N	N	N

Chateau rock--continued

sample	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
HS498	150	N	<10	<20	50	70	200	<20	<5	N	70	<10
M017	300	<1.0	<10	<20	20	50	70	20	<5	--	30	20
M48	N	N	N	N	N	N	7	N	N	N	N	N
M49	50	N	N	N	10	N	<5	N	N	N	7	N
M49A	500	N	N	N	<5	10	20	30	N	N	15	20
B51	300	N	<10	N	N	N	15	N	N	N	7	N
B52	150	N	<10	N	N	N	15	N	N	N	<5	N
B53	150	N	<10	N	N	N	7	N	N	N	<5	N
B48	1,000	N	<10	N	<5	30	15	<20	N	N	<5	10
B49	200	<1.0	<10	N	7	20	7	20	N	N	15	10
B50	300	<1.0	<10	N	N	15	10	20	N	N	5	<10
B44	500	2.0	<10	N	15	70	1,000	30	N	<10	20	<10
B45	300	1.0	<10	N	7	10	15	N	N	N	5	15
B46	150	N	<10	N	N	N	5	N	N	N	<5	N
B47	700	1.0	<10	N	10	30	10	30	N	N	15	<10
M536	30	N	N	N	N	<10	7	N	N	N	5	<10
M537	50	N	N	N	N	N	7	500	N	N	10	<10
M538	500	3.0	N	N	7	30	100	30	N	N	5	100
M539	150	N	N	N	N	N	10	20	N	N	5	N
M507	500	N	N	N	N	N	20	N	N	N	5	N
M508	>5,000	N	N	N	N	15	15	N	N	N	5	N
M504	300	N	N	N	5	30	15	N	N	N	10	N
B503	1,000	<1.0	N	N	7	20	15	N	N	N	15	N
M501	500	1.0	N	N	5	20	15	20	N	N	10	N
B509	700	1.5	N	N	20	70	10	70	N	N	20	20
B512	300	<1.0	N	N	10	20	5	N	N	N	15	10
B560	500	3.0	N	N	20	30	700	70	N	N	15	30
AC2945	150	--	--	--	N	<10	150	--	N	--	5	30
AC2940	50	--	--	--	N	10	7	--	N	--	N	30
AC2944	150	--	--	--	<5	15	20	--	N	--	10	<10
AC2961	300	--	--	--	15	30	50	--	N	--	30	30
AC2962	700	--	--	--	30	30	7	--	N	--	50	15
AC2967	200	--	--	--	15	30	10	--	N	--	30	20
AC2112	500	--	--	--	10	15	<5	--	N	--	15	N
AC2113	500	--	--	--	20	50	10	--	N	--	30	20
AC2114	300	--	--	--	7	10	15	--	N	--	15	30
EFB295	1,000	5.0	N	N	5	100	20	--	N	N	20	30
EFB297	1,000	5.0	N	N	10	70	20	--	N	N	30	20
AMS900	150	--	--	--	10	10	7	--	N	--	10	<10
EFB296	700	5.0	N	N	10	70	20	--	N	N	30	20
EFB265	500	5.0	N	N	10	50	20	--	15	N	50	15
EFB264	700	5.0	N	N	15	100	30	--	N	N	70	30
B167	500	N	N	N	15	30	15	100	N	<10	30	30
B168	20	N	N	N	N	<10	N	N	N	N	7	N
B169	700	1.0	N	N	7	30	7	20	N	<10	15	10
B170	500	1.5	N	N	<5	50	7	30	N	<10	7	<10
B172	300	N	N	N	N	<10	5	N	N	N	5	N
B173	N	N	N	N	N	N	7	N	N	N	<5	N
HS513	N	N	N	N	N	15	10	N	N	N	5	N
HS512	1,500	<1.0	N	N	<5	<10	20	N	N	N	7	N

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
HS498	<100	30	<10	300	200	<50	30	<200	200	N	.05
M017	<100	20	<10	150	150	<50	30	<200	300	--	--
M48	N	N	N	200	N	N	N	N	N	N	.02
M49	N	N	N	200	<10	N	15	N	15	N	.02
M49A	N	N	N	100	30	N	30	N	200	N	.02
B51	N	N	N	N	15	N	<10	N	70	N	.02
B52	N	N	N	N	10	N	<10	N	150	N	.02
B53	N	N	N	N	<10	N	N	N	50	N	.02
B48	N	<5	N	N	30	N	30	N	700	N	.04
B49	N	<5	N	N	30	N	15	N	150	N	.02
B50	N	<5	N	N	20	N	10	N	150	N	.02
B44	N	10	N	N	70	N	30	N	700	N	.10
B45	N	N	N	N	30	N	30	N	100	N	.10
B46	N	N	N	N	10	N	N	N	50	N	.03
B47	N	7	N	N	70	N	30	N	300	N	.03
M536	N	<5	N	700	70	N	<10	N	10	N	.04
M537	N	<5	N	N	10	N	20	N	150	N	.06
M538	N	10	N	<100	100	N	30	N	100	N	.08
M539	N	N	N	N	15	N	N	N	70	N	.04
M507	N	N	N	N	10	N	N	N	70	N	<.02
M508	N	N	N	N	20	N	N	N	200	N	<.02
M504	N	<5	N	N	30	N	10	N	500	N	<.02
B503	N	5	N	N	30	N	15	N	150	N	N
M501	N	5	N	N	30	N	10	N	150	N	<.02
B509	N	15	N	N	100	N	70	N	>1,000	N	N
B512	N	7	N	N	30	N	15	N	150	N	<.02
B560	N	20	N	N	500	N	100	N	150	N	.10
AC2945	--	--	N	--	15	N	15	N	--	--	--
AC2940	--	--	N	--	10	N	15	N	--	--	--
AC2944	--	--	N	--	20	N	15	N	--	--	--
AC2961	--	--	N	--	30	N	30	N	--	--	--
AC2962	--	--	N	--	70	N	30	N	--	--	--
AC2967	--	--	N	--	50	N	30	N	--	--	--
AC2112	--	--	N	--	30	N	15	N	--	--	--
AC2113	--	--	N	--	70	N	20	N	--	--	--
AC2114	--	--	N	--	30	N	30	N	--	--	--
EFB295	N	15	N	150	200	N	20	N	150	--	.04
EFB297	N	7	N	100	100	N	20	N	150	--	.02
AMS900	--	--	N	--	10	N	N	N	--	--	--
EFB296	N	10	N	<100	100	N	50	N	200	--	.02
EFB265	N	5	N	200	100	N	15	N	50	--	.04
EFB264	N	10	N	100	200	N	20	N	150	--	.04
B167	N	5	N	N	30	N	10	N	200	N	N
B168	N	N	N	N	10	N	N	N	70	N	N
B169	N	5	N	N	30	N	<10	N	150	N	N
B170	N	5	N	N	20	N	20	N	300	N	N
B172	N	N	N	N	<10	N	N	N	70	N	.02
B173	N	N	N	<100	N	N	<10	N	N	N	.02
HS513	N	N	N	N	N	N	N	N	N	N	N
HS512	N	<5	N	100	20	N	10	N	150	N	.02

Chateau rock--continued

sample	latitude	longitude	MAP_NO.	S-FEX	S-MGX	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
M68	47 37 48	113 3 45	943	1.00	.30	.50	.100	100	N	N	N	100
B74	47 37 27	113 5 56	944	.20	.10	N	.070	N	N	N	N	N
B75	47 37 30	113 5 45	944	1.00	.50	<.05	.070	30	N	N	N	10
B76	47 37 46	113 5 27	944	1.50	.50	.50	.200	500	N	N	N	20
B77	47 37 46	113 5 10	944	2.00	1.00	1.00	.300	500	N	N	N	50
B70	47 37 17	113 6 59	945	3.00	1.50	.07	.200	500	N	N	N	30
B71	47 37 19	113 6 51	945	.70	.70	.05	.100	500	N	N	N	20
B72	47 37 25	113 6 31	945	2.00	.50	.70	.200	700	N	N	N	20
B73	47 37 31	113 6 12	945	.50	.30	<.05	.050	500	N	N	N	15
B67	47 37 10	113 7 56	946	.30	.70	20.00	.300	200	N	N	N	N
B68	47 37 6	113 7 45	946	2.00	.70	<.05	.150	70	N	N	N	20
B69	47 37 9	113 7 20	946	3.00	1.00	.05	.200	150	N	N	N	15
M595	47 37 47	113 9 24	947	3.00	7.00	15.00	.200	500	N	N	N	200
M510	47 37 13	113 24 50	948	1.50	2.00	.07	.200	300	N	200	N	30
M511	47 37 16	113 24 20	948	2.00	1.00	.10	.300	300	N	200	N	20
M502	47 37 13	113 29 50	949	3.00	3.00	1.50	.300	700	N	200	N	100
M503	47 37 18	113 29 34	949	1.00	1.50	1.50	.200	1,000	N	200	N	30
B513	47 37 21	113 31 58	950	5.00	5.00	15.00	.300	1,500	N	200	N	30
M005	47 37 36	113 39 16	951	.70	.70	15.00	.050	500	N	N	N	10
AC2943	47 37 9	113 54 36	952	2.00	3.00	5.00	--	300	N	N	--	--
AC2123	47 37 20	113 55 27	953	1.50	1.50	.70	--	500	N	N	--	--
AC2116	47 37 5	113 56 47	954	3.00	2.00	.20	--	300	N	N	--	--
AC2117	47 37 2	113 56 40	954	.30	.50	2.00	--	300	N	N	--	--
AC2936	47 37 26	113 56 16	954	5.00	5.00	5.00	--	700	N	N	--	--
AC2969	47 37 0	113 56 41	954	.70	.30	1.00	--	150	N	N	--	--
AC2970	47 37 5	113 56 53	954	1.50	1.50	2.00	--	500	<.5	N	--	--
AC2971	47 37 6	113 56 56	954	3.00	5.00	20.00	--	1,500	N	N	--	--
AC2973	47 37 10	113 56 44	954	1.50	1.50	1.00	--	700	N	N	--	--
AC2974	47 37 27	113 56 37	954	1.50	1.00	.70	--	300	N	N	--	--
AC2975	47 37 13	113 56 41	954	2.00	2.00	1.00	--	500	<.5	N	--	--
AC2976	47 37 15	113 56 36	954	.30	.70	1.50	--	300	N	N	--	--
AC2977	47 37 27	113 56 58	954	2.00	5.00	3.00	--	1,000	N	N	--	--
AC2995	47 37 11	113 56 50	954	3.00	2.00	.15	--	700	N	N	--	--
AC2972	47 37 3	113 57 8	955	5.00	2.00	.30	--	200	N	N	--	--
AMS899	47 38 48	112 33 30	956	5.00	1.00	1.50	--	150	N	N	--	--
EFB334	47 38 0	112 34 0	957	3.00	1.50	2.00	.300	300	N	N	N	100
EFB299	47 38 0	112 39 0	958	1.50	.50	7.00	.150	300	.7	N	N	100
EFB300	47 38 0	112 39 0	958	3.00	1.50	1.00	.500	300	<.5	N	N	200
EFB301	47 38 0	112 39 0	958	2.00	1.50	3.00	.200	300	<.5	N	N	100
EFB298	47 38 0	112 40 0	959	3.00	.70	.30	.500	300	.5	N	N	100
EFB311	47 38 0	112 48 0	960	3.00	1.50	2.00	.300	200	N	N	N	300
EFB267	47 38 0	112 51 0	961	3.00	1.50	7.00	.300	500	N	N	N	150
MS288	47 38 50	112 51 47	961	3.00	1.50	2.00	1.000	1,500	<.5	<200	--	<10
M019	47 38 5	112 51 39	961	5.00	.20	5.00	.150	100	<.5	<200	--	10
EFB266	47 38 0	112 52 0	962	3.00	1.50	2.00	.300	500	N	N	N	150
B182	47 38 44	112 53 33	963	<.15	5.00	15.00	.030	N	N	N	N	<10
B183	47 38 35	112 53 39	963	.50	7.00	10.00	.070	150	N	N	N	15
B184	47 38 25	112 53 58	963	N	3.00	15.00	.003	50	N	N	N	N
MS541	47 38 32	112 55 14	964	3.00	.70	.70	.500	1,000	N	N	N	<10
MS518	47 38 28	112 56 5	965	5.00	2.00	>20.00	.500	<1,500	<.5	<200	N	50

sample	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
M68	300	<1.0	N	N	N	N	10	N	N	N	<5	N
B74	150	N	N	N	N	N	30	N	N	N	<5	N
B75	150	N	N	N	N	10	30	<20	N	N	<5	N
B76	300	<1.0	N	N	5	20	10	20	N	N	5	N
B77	700	<1.0	N	N	10	70	50	30	N	<10	15	<10
B70	200	2.0	N	N	15	30	30	30	N	N	20	10
B71	>5,000	2.0	N	N	<5	15	30	30	N	N	10	N
B72	1,000	<1.0	N	N	<5	20	50	20	N	N	7	N
B73	2,000	N	N	N	N	N	30	N	N	N	<5	N
B67	50	N	N	N	N	20	20	150	N	N	N	N
B68	200	<1.0	N	N	<5	15	20	30	N	N	7	<10
B69	300	1.0	N	N	10	30	15	20	N	N	15	N
M595	200	1.0	N	N	15	70	20	30	N	N	30	10
M510	100	1.0	N	N	5	10	5	N	N	N	15	N
M511	300	1.0	N	N	5	50	20	N	N	N	10	10
M502	300	1.5	N	N	5	70	10	30	N	N	15	20
M503	500	1.0	N	N	5	10	15	N	N	N	10	N
B513	300	<1.0	N	N	10	10	15	70	N	N	7	70
M005	300	<1.0	N	--	5	50	15	--	N	--	15	<10
AC2943	300	--	--	--	15	15	10	--	N	--	20	<10
AC2123	300	--	--	--	10	<10	50	--	N	--	20	<10
AC2116	200	--	--	--	15	15	150	--	N	--	30	<10
AC2117	>5,000	--	--	--	5	<10	30	--	N	--	10	50
AC2936	150	--	--	--	7	15	15	--	N	--	15	50
AC2969	100	--	--	--	15	30	10	--	N	--	20	70
AC2970	300	--	--	--	10	15	15	--	N	--	15	<10
AC2971	150	--	--	--	15	15	10	--	N	--	20	<10
AC2973	300	--	--	--	10	15	50	--	N	--	15	70
AC2974	200	--	--	--	10	15	5	--	N	--	15	<10
AC2975	500	--	--	--	15	20	10	--	N	--	30	10
AC2976	700	--	--	--	<5	<10	10	--	N	--	7	N
AC2977	150	--	--	--	15	20	30	--	N	--	15	15
AC2995	700	--	--	--	15	50	50	--	N	--	20	10
AC2972	700	--	--	--	10	50	5	--	N	--	20	10
AMS899	700	--	--	--	10	10	10	--	N	--	15	10
EFB334	700	5.0	N	N	10	70	20	--	<5	N	30	30
EFB299	700	5.0	N	N	10	70	50	--	10	N	50	20
EFB300	1,000	5.0	N	N	15	150	30	--	N	N	70	20
EFB301	700	5.0	N	N	7	50	15	--	N	N	20	20
EFB298	700	5.0	N	N	15	100	30	--	N	N	70	30
EFB311	300	5.0	N	N	15	100	20	--	N	N	70	15
EFB267	200	5.0	N	N	10	70	15	--	N	N	30	15
HS288	2,000	<1.0	<10	<20	5	<10	70	50	<5	--	<5	15
M019	200	<1.0	<10	<20	5	20	<5	<20	10	--	20	30
EFB266	500	5.0	N	N	10	30	15	--	5	N	20	20
B182	N	N	N	N	N	30	7	N	N	N	15	N
B183	50	N	N	N	N	15	N	N	N	N	5	10
B184	N	N	N	N	N	N	N	N	N	N	N	N
HS541	1,500	N	N	N	15	20	20	N	N	N	15	10
HS518	300	5.0	<10	<20	15	70	50	50	<5	<10	50	<10

Choteau rock--continued

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
M68	N	N	N	N	20	N	10	N	300	N	.35
B74	N	N	N	N	N	N	N	N	50	N	N
B75	N	N	N	N	20	N	<10	N	100	N	.02
B76	<5	N	N	N	30	N	15	N	150	N	N
B77	10	N	N	N	50	N	30	N	500	N	.04
B70	15	N	N	N	70	N	20	N	150	N	.02
B71	<5	N	N	500	30	N	15	N	100	N	.02
B72	7	N	N	<100	30	N	20	N	300	N	N
B73	N	N	N	<150	<10	N	<10	N	50	N	.02
B67	<5	N	N	N	20	N	20	N	N	N	N
B68	5	N	N	N	30	N	10	N	150	N	.02
B69	10	N	N	N	50	N	15	N	200	N	N
M595	10	N	N	100	100	N	15	N	70	N	.10
M510	5	N	N	N	20	N	15	N	200	N	<.02
M511	7	N	N	50	50	N	15	N	200	N	N
M502	10	N	N	70	70	N	20	N	150	N	N
M503	5	N	N	30	30	N	10	N	100	N	<.02
B513	7	N	N	30	30	N	15	N	30	N	.02
M005	<5	N	N	15	15	N	30	N	70	N	N
AC2943	--	N	N	50	50	N	30	N	--	N	N
AC2123	--	N	N	50	50	N	20	N	--	N	N
AC2116	--	N	N	50	50	N	15	N	--	N	N
AC2117	--	N	N	10	10	N	<10	N	--	N	N
AC2936	--	N	N	50	50	N	20	N	--	N	N
AC2969	--	N	N	20	20	N	15	N	--	N	N
AC2970	--	N	N	50	50	N	30	N	--	N	N
AC2971	--	N	N	30	30	N	50	N	--	N	N
AC2973	--	N	N	30	30	N	15	N	--	N	N
AC2974	--	N	N	30	30	N	20	N	--	N	N
AC2975	--	N	15	--	70	N	20	N	--	N	N
AC2976	--	N	N	--	20	N	10	N	--	N	N
AC2977	--	N	N	--	30	N	30	N	--	N	N
AC2995	--	N	N	--	50	N	30	N	--	N	N
AC2972	--	N	N	--	70	N	50	N	--	N	N
AMS899	--	N	N	--	200	N	10	N	--	N	N
EFB334	10	N	N	150	100	N	20	N	100	N	.02
EFB299	7	N	N	300	150	N	15	N	70	N	.10
EFB300	15	N	N	200	300	N	20	N	150	N	.14
EFB301	5	N	N	150	100	N	15	N	100	N	.04
EFB298	15	N	N	100	150	N	30	N	150	N	.02
EFB311	15	N	N	100	100	N	20	N	100	N	<.02
EFB267	10	N	N	150	70	N	15	N	70	N	N
HS288	15	N	<10	200	300	<50	20	<200	150	N	N
M019	5	N	<10	200	20	<50	<10	<200	50	N	N
EFB266	10	N	N	200	70	N	30	N	150	N	.02
B182	N	N	N	300	N	N	15	N	N	N	.10
B183	N	<5	N	100	15	N	<10	N	150	N	.09
B184	N	N	N	150	N	N	N	N	N	N	.22
HS541	N	15	N	200	150	N	15	N	150	N	.06
HS518	<15	N	<10	<1,000	200	<50	30	<200	<500	.14	.08

sample	latitude	longitude	MAP_NO.	S-FEX	S-MGX	S-CAK	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
HS514	47 38 19	112 59 7	966	2.00	1.00	.70	.150	500	2.0	<200	--	20
M64	47 38 59	113 2 45	967	<.05	.50	20.00	.010	30	N	N	N	N
M65	47 38 29	113 2 38	967	2.00	7.00	15.00	.100	300	N	N	N	30
M66	47 38 12	113 3 0	968	1.00	7.00	15.00	.050	200	N	N	N	10
M67	47 38 11	113 3 20	968	1.50	1.00	20.00	.200	300	N	N	N	70
M58	47 38 36	113 5 34	969	1.00	.70	<.05	.100	500	N	N	N	20
M56	47 38 31	113 6 34	970	5.00	1.50	.70	.100	1,500	N	N	N	100
M57	47 38 32	113 6 4	970	3.00	1.50	.70	.150	500	N	N	N	70
M54	47 38 27	113 7 22	971	5.00	2.00	15.00	.300	700	N	N	N	70
M55	47 38 23	113 7 2	971	2.00	.70	<.05	.700	150	N	N	N	50
B296	47 38 19	113 8 27	972	.20	7.00	15.00	.015	150	N	N	N	N
M596	47 38 45	113 11 24	973	.20	>10.00	>20.00	.015	100	N	N	N	10
B614	47 38 57	113 16 38	974	.50	.15	<.05	.070	20	N	N	N	70
B615	47 38 54	113 16 57	974	2.00	1.50	.07	.150	100	<.5	N	N	50
B616	47 38 47	113 17 9	975	2.00	7.00	15.00	.150	2,000	N	N	N	70
B617	47 38 40	113 17 42	975	2.00	.30	.10	.150	200	N	N	N	50
B618	47 38 30	113 17 51	975	1.50	10.00	15.00	.100	1,000	N	N	N	50
B619	47 38 38	113 18 14	976	2.00	7.00	7.00	.150	500	N	N	N	70
B620	47 38 34	113 18 33	976	1.50	.50	.50	.150	2,000	N	N	N	30
B621	47 38 26	113 18 47	976	1.50	.30	.10	.150	150	N	N	N	30
B622	47 38 23	113 19 6	977	2.00	.70	.10	.150	100	N	N	N	70
B623	47 38 9	113 19 6	977	1.50	.70	.30	.100	300	N	N	N	70
B624	47 38 16	113 19 37	977	.15	2.00	>20.00	.020	70	N	N	N	N
AC2939	47 38 23	113 53 31	978	3.00	3.00	3.00	--	300	N	N	--	--
AC2938	47 38 9	113 54 45	979	3.00	5.00	7.00	--	700	N	N	--	--
AC2937	47 38 6	113 55 53	980	1.50	3.00	10.00	--	300	N	N	--	--
ADA117	47 38 47	113 55 37	980	2.00	2.00	.10	--	70	N	N	--	--
ADA114	47 38 51	113 56 39	981	3.00	3.00	.20	--	300	N	N	--	--
ADA506	47 38 57	113 56 37	981	1.00	.70	2.00	--	500	N	N	--	--
AC2998	47 38 39	113 57 41	982	2.00	3.00	5.00	--	1,000	N	N	--	--
AC2999	47 38 42	113 57 21	982	1.50	5.00	7.00	--	1,500	N	N	--	--
AMS898	47 39 36	112 32 48	983	15.00	.20	1.00	--	1,000	N	N	--	--
AMS896	47 39 36	112 34 48	984	1.00	.70	.20	--	10	N	N	--	--
HS277	47 39 52	112 46 19	985	1.00	.70	.70	.300	50	2.0	<200	--	150
HS780	47 39 1	112 49 52	986	1.00	.05	.20	.050	100	N	N	N	<10
HS543	47 39 38	112 55 59	987	20.00	.50	2.00	.020	5,000	<.5	<200	--	20
M69	47 39 11	112 57 43	988	<.05	2.00	20.00	.015	N	N	N	N	N
HS547	47 39 9	112 59 40	989	7.00	3.00	1.50	.300	200	<.5	<200	--	100
HS558	47 39 15	113 1 14	990	<3.00	7.00	20.00	.300	<700	<.5	N	N	150
HS618	47 39 31	113 1 20	990	.30	7.00	15.00	.020	70	N	N	N	<10
HS627	47 39 46	113 1 13	990	<.30	7.00	15.00	.020	<200	N	N	N	N
M61	47 39 55	113 1 45	990	.05	7.00	15.00	.007	50	N	N	N	N
M63	47 39 11	113 1 58	990	.10	7.00	15.00	.015	30	N	N	N	<10
B78	47 39 31	113 2 44	991	10.00	2.00	20.00	1.000	700	N	N	N	20
B79	47 39 27	113 2 54	991	1.50	7.00	10.00	.050	1,500	N	N	N	30
M62	47 39 2	113 2 7	991	<.05	7.00	15.00	.007	20	N	N	N	N
B80	47 39 20	113 3 40	992	.50	.30	.05	.050	<10	N	N	N	<10
B81	47 39 35	113 3 49	992	1.00	.50	N	.070	50	N	N	N	15
B90	47 39 53	113 7 2	993	1.50	.50	N	.150	100	.7	N	N	30
B91	47 39 49	113 7 19	993	.10	.02	N	.070	50	N	N	N	N

Choteau rock--continued

sample	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
HS514	500	2.0	<10	<20	10	20	7	<20	<5	--	15	10
F64	N	N	N	N	N	N	<5	N	N	N	N	N
M65	100	<1.0	N	N	N	20	30	N	N	N	20	<10
M66	50	N	N	N	N	N	15	N	N	N	5	10
M67	1,500	N	N	N	N	50	30	<20	N	N	20	<10
M58	300	<1.0	N	N	<5	10	100	20	N	N	10	15
M56	700	3.0	N	N	7	30	30	<20	N	N	15	15
M57	300	1.0	N	N	15	15	30	30	N	N	15	15
M54	5,000	2.0	N	N	20	100	20	50	N	N	70	10
M55	200	<1.0	N	N	<5	20	70	300	N	N	15	<10
B296	N	<1.0	N	N	N	N	5	N	N	N	N	10
M596	N	N	N	N	N	N	10	N	N	N	5	N
B614	200	<1.0	N	N	N	<10	20	N	N	N	5	<10
B615	300	1.0	N	N	7	30	20	30	N	N	20	70
B616	700	2.0	N	N	7	70	15	50	N	N	20	100
B617	300	1.0	N	N	5	50	15	20	5	N	10	20
B618	1,000	1.0	N	N	7	50	15	30	N	N	15	20
B619	150	1.5	N	N	<5	30	15	N	N	N	7	<10
B620	300	1.0	N	N	<5	30	7	N	N	N	10	<10
B621	300	1.0	N	N	<5	30	15	30	N	N	15	<10
B622	200	1.5	N	N	5	30	15	70	N	N	15	<10
B623	1,500	1.5	N	N	5	30	15	20	N	N	15	10
B624	30	N	N	N	N	N	10	30	N	N	<5	10
AC2939	500	--	--	--	15	30	7	--	N	--	20	15
AC2938	100	--	--	--	<5	15	15	--	N	--	7	50
AC2937	200	--	--	--	5	20	5	--	N	--	10	70
ADA117	500	--	--	--	5	30	15	--	N	--	20	<10
ADA114	300	--	--	--	15	30	N	--	N	--	50	10
ADA506	300	--	--	--	7	10	10	--	N	--	15	10
AC2998	2,000	--	--	--	20	30	15	--	N	--	20	30
AC2999	5,000	--	--	--	15	30	100	--	N	--	20	30
AMS898	100	--	--	--	70	1,000	30	--	10	--	50	N
AMS896	700	--	--	--	N	50	15	--	<5	--	5	20
HS277	1,000	<1.0	<10	<20	<5	100	70	50	30	--	200	70
HS780	150	1.5	N	N	N	N	<5	20	100	N	10	<10
HS543	300	1.0	<10	<20	5	5	5	<20	<5	--	5	<10
M69	N	N	N	N	N	N	10	N	N	--	<5	N
HS547	300	1.0	<10	<20	5	30	30	20	<5	--	15	<10
HS558	200	<1.0	N	N	20	70	70	50	N	N	50	1,500
HS618	<20	N	N	N	<5	N	<5	N	N	N	<5	N
HS627	N	N	N	N	N	N	20	<20	N	N	15	<10
M61	N	N	N	N	N	N	30	N	N	N	N	10
M63	N	N	N	N	N	N	20	N	N	N	N	N
B78	1,500	<1.0	N	N	50	30	300	N	N	N	70	N
B79	1,000	N	N	N	7	N	30	20	N	N	5	15
M62	N	N	N	N	N	N	10	N	N	N	N	N
B80	300	N	N	N	N	N	30	N	N	N	<5	<10
B81	300	N	N	N	N	N	70	<20	N	N	<5	10
B90	300	<1.0	N	N	N	<10	20	<20	N	N	10	N
B91	100	<1.0	N	N	N	N	7	N	N	N	N	N

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
HS514	<100	7	<10	500	50	<50	15	<200	200	--	--
M64	N	N	N	200	N	N	N	N	N	N	.02
M65	N	N	N	<150	30	N	N	N	N	N	.03
M66	N	<5	N	100	20	N	10	N	70	N	.02
M67	N	N	N	<150	50	N	20	N	N	N	.02
M58	N	<5	N	N	20	N	10	N	150	N	.04
M56	N	<5	N	N	100	N	30	N	300	N	.03
M57	N	7	N	700	30	N	20	N	300	N	<.02
M54	N	<15	N	N	70	N	20	N	150	N	.04
M55	N	<7	N	N	50	N	30	N	1,000	N	.05
B296	N	N	N	200	20	N	N	N	N	N	.03
M596	N	N	N	100	50	N	N	N	<10	N	.06
B614	N	N	N	N	15	N	10	N	100	N	.04
B615	N	<10	N	N	70	N	30	N	150	N	.06
B616	N	N	N	<100	70	N	30	N	200	N	.08
B617	N	7	N	N	70	N	20	N	200	N	.04
B618	N	7	N	150	70	N	30	N	70	N	.06
B619	N	7	N	100	70	N	30	N	100	N	.04
B620	N	5	N	N	50	N	30	N	150	N	.02
B621	N	5	N	N	30	N	15	N	150	N	.02
B622	N	10	N	N	70	N	30	N	200	N	.02
B623	N	7	N	100	50	N	20	N	100	N	.02
B624	N	N	N	700	50	N	N	N	<10	N	.04
AC2939	--	--	N	--	70	N	50	N	--	--	--
AC2938	--	--	N	--	20	N	20	N	--	--	--
AC2937	--	--	N	--	30	N	10	300	--	--	--
ADA117	--	--	N	--	70	N	15	N	--	--	--
ADA114	--	--	N	--	70	N	20	N	--	--	--
ADA506	--	--	N	--	20	N	20	N	--	--	--
AC2998	--	--	N	--	50	N	30	N	--	--	--
AC2999	--	--	N	--	50	N	20	N	--	--	--
AMS898	--	--	N	--	1,000	N	20	500	--	--	--
AMS896	--	--	N	--	100	N	20	N	--	--	--
HS277	<100	10	<10	700	700	<50	10	<200	100	N	.08
HS780	N	N	N	N	50	N	N	N	70	N	--
HS543	<100	<5	<10	70	15	<50	<10	<200	<10	--	--
M69	N	N	N	700	<10	N	<10	N	10	N	.02
HS547	<100	5	<10	<100	50	<50	20	<200	500	--	--
HS558	N	<15	N	<200	70	N	15	N	<100	N	.08
HS618	N	N	N	<100	<10	N	N	N	N	N	.05
HS627	N	N	N	150	15	N	N	N	N	N	.08
M61	N	N	N	100	<10	N	N	N	N	N	.02
M63	N	N	N	100	10	N	N	N	N	N	.06
B78	N	<50	N	<200	300	N	50	N	<150	N	.02
B79	N	N	N	100	20	N	20	N	70	N	.02
M62	N	N	N	N	<10	N	N	N	N	N	.02
B80	N	N	N	N	10	N	N	N	100	N	.02
B81	N	N	N	N	20	N	10	N	200	N	.02
B90	N	<5	N	N	30	N	20	N	300	N	N
B91	N	N	N	N	10	N	N	N	300	N	.02

Chateau rock--continued

sample	latitude	longitude	MAP_NO.	S-FEX	S-MGX	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
B92	47 39 45	113 7 36	993	.30	1.00	20.00	.010	150	N	N	N	N
B606	47 39 39	113 14 58	994	1.50	1.50	20.00	.100	300	N	N	N	20
B607	47 39 33	113 15 9	995	3.00	2.00	>20.00	.030	5,000	N	N	N	30
B608	47 39 26	113 15 22	995	2.00	1.00	.10	.150	200	N	N	N	30
B609	47 39 26	113 15 32	995	3.00	1.00	.05	.150	300	N	N	N	30
B610	47 39 23	113 15 39	995	1.00	.20	.05	.070	50	N	N	N	20
B611	47 39 17	113 15 56	995	1.50	.50	1.00	.150	150	N	N	N	30
B612	47 39 13	113 16 10	996	1.50	1.00	1.00	.150	500	N	N	N	70
B613	47 39 9	113 16 29	996	.50	.30	.05	.050	50	N	N	N	30
B561	47 39 43	113 36 7	997	2.00	2.00	.15	.300	150	3.0	N	N	100
M006	47 39 27	113 37 14	998	5.00	2.00	3.00	.200	200	<.5	N	N	70
AC2005	47 39 43	113 55 22	999	3.00	5.00	10.00	--	1,000	N	N	--	--
AC2006	47 39 49	113 55 3	999	2.00	2.00	15.00	--	500	N	N	--	--
AC2007	47 39 49	113 55 3	999	1.50	2.00	3.00	--	500	N	N	--	--
ADA030	47 39 58	113 57 33	1,000	.20	.20	.15	--	150	N	N	--	--
AMS897	47 40 0	112 34 48	1,001	10.00	.70	1.50	--	500	N	N	--	--
792AR	47 40 46	112 40 21	1,002	10.00	--	5.00	--	>5,000	N	N	--	30
792BR	47 40 46	112 40 21	1,002	1.50	--	3.00	--	1,500	N	N	N	50
792CR	47 40 46	112 40 21	1,002	3.00	--	.20	--	500	N	N	N	70
794AR	47 40 36	112 40 27	1,002	3.00	--	5.00	--	500	N	N	N	100
794BR	47 40 34	112 40 18	1,002	1.50	--	5.00	--	1,500	1.0	200	N	20
HS774	47 40 2	112 48 0	1,003	>20.00	.05	.50	.050	50	<.5	<200	N	30
HS636	47 40 39	112 53 42	1,004	2.00	1.50	15.00	.300	2,000	<.5	<200	N	<10
B82	47 40 0	113 4 2	1,005	.70	.50	N	.100	<10	N	N	N	15
B83	47 40 31	113 4 56	1,005	3.00	1.50	.70	.300	700	N	N	N	70
B84	47 40 25	113 5 8	1,006	3.00	1.50	1.50	.300	1,000	1.0	N	N	50
B85	47 40 11	113 5 17	1,006	2.00	1.00	.50	.300	500	N	N	N	<10
B86	47 40 2	113 5 39	1,006	3.00	.50	.05	.100	200	N	N	N	15
B87	47 40 8	113 5 59	1,006	3.00	.70	.10	.150	300	N	N	N	100
B88	47 40 7	113 6 33	1,007	1.50	.30	<.05	.150	50	N	N	N	<10
B89	47 40 0	113 6 43	1,007	2.00	.70	<.05	.150	200	N	N	N	10
B297	47 40 6	113 8 28	1,008	.10	3.00	20.00	.015	300	N	N	N	N
M594	47 40 31	113 13 56	1,009	.20	3.00	>20.00	.020	100	N	N	N	<10
M566	47 40 29	113 25 56	1,010	3.00	2.00	.10	.150	700	N	N	N	100
M641	47 40 40	113 26 54	1,011	.30	.30	<.05	.070	70	N	N	N	30
M640	47 40 58	113 28 11	1,012	1.00	1.00	.10	.100	100	N	N	N	70
M579	47 40 42	113 29 52	1,013	2.00	1.50	.07	.100	70	N	N	N	50
B537	47 40 39	113 32 58	1,014	7.00	1.50	1.00	.300	1,000	N	N	N	100
B538	47 40 35	113 32 47	1,014	3.00	3.00	20.00	.200	>5,000	N	N	N	30
B539	47 40 35	113 32 27	1,014	10.00	3.00	.15	.300	700	N	N	N	70
B540	47 40 56	113 32 6	1,014	5.00	3.00	3.00	.300	300	N	N	N	50
B536	47 40 41	113 33 27	1,015	5.00	1.50	.70	.300	1,500	N	N	N	70
B562	47 40 17	113 35 55	1,016	3.00	2.00	3.00	.300	1,000	N	N	N	70
B532	47 40 51	113 36 56	1,017	5.00	7.00	10.00	.300	1,000	N	N	N	30
B533	47 40 39	113 38 28	1,018	1.00	7.00	15.00	.150	1,500	N	N	N	20
B534	47 40 24	113 41 45	1,019	5.00	7.00	3.00	.300	200	N	N	N	15
AC2002	47 40 35	113 55 36	1,020	1.50	1.50	20.00	.300	1,500	.7	N	N	--
AC2003	47 40 8	113 55 54	1,020	3.00	3.00	15.00	--	700	N	N	N	--
ADA001	47 40 56	113 55 46	1,020	2.00	3.00	15.00	--	700	N	N	N	--
ADA002	47 40 56	113 55 46	1,020	2.00	3.00	10.00	--	300	N	N	N	--

sample	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
B92	100	N	N	N	N	N	5	N	N	N	N	N
B606	200	<1.0	N	N	5	30	10	30	N	N	10	15
B607	5,000	<1.0	N	N	7	15	15	<20	N	N	10	10
B608	150	N	N	N	7	20	15	30	N	N	15	<10
B609	300	<1.0	N	N	7	20	10	20	N	N	15	10
B610	300	1.0	N	N	N	10	15	20	N	N	5	10
B611	300	1.0	N	N	5	30	30	30	N	N	7	15
B612	2,000	1.5	10	N	<5	30	30	30	N	N	7	10
B613	300	1.0	10	N	N	10	30	20	N	N	7	10
B561	300	1.0	N	N	10	50	700	30	N	N	15	20
M006	1,000	1.0	N	N	50	30	15	50	<5	10	50	30
AC2005	150	--	--	--	N	10	10	--	N	--	7	30
AC2006	700	--	--	--	7	30	15	--	N	--	20	10
AC2007	500	--	--	--	5	15	20	--	N	--	7	70
ADA030	150	--	--	--	N	5	15	--	N	--	5	<10
AMS897	100	--	--	--	10	200	20	--	5	--	10	N
792AR	200	--	N	N	5	30	7	--	15	--	7	30
792BR	200	--	N	N	<5	50	<5	--	N	--	10	20
792CR	300	--	N	N	10	20	20	--	<5	--	30	30
794AR	1,000	--	N	N	7	15	5	--	7	--	15	20
794BR	300	--	N	N	<5	100	10	--	10	--	<5	20
HS774	200	<1.0	<10	<20	<5	<10	10	<20	10	--	<5	20
HS636	700	<1.0	<10	<20	7	20	15	50	<5	<10	15	20
B82	300	N	N	N	N	N	30	N	N	N	5	N
B83	700	1.5	N	N	5	50	20	50	N	N	10	N
B84	3,000	1.0	N	N	20	50	100	30	N	N	20	20
B85	>5,000	1.0	N	N	<5	70	70	200	N	N	7	10
B86	500	1.0	N	N	<5	70	100	30	N	N	10	15
B87	>5,000	3.0	N	N	<5	20	150	30	N	N	<5	20
B88	200	<1.0	N	N	N	10	15	<20	N	N	<5	N
B89	500	<1.0	N	N	10	20	30	20	N	N	15	N
B297	N	N	N	N	N	N	<5	N	N	N	N	<10
M594	N	N	N	N	N	10	7	N	N	N	<5	15
M566	3,000	1.5	N	N	7	30	15	50	N	N	20	10
M641	300	<1.0	N	N	N	N	15	30	N	N	5	N
M640	1,500	1.0	N	N	5	30	10	20	N	N	15	<10
M579	700	1.0	N	N	7	20	10	20	N	N	20	10
B537	300	1.5	N	N	10	30	50	30	N	N	20	10
B538	150	<1.0	N	N	5	30	20	20	N	N	5	20
B539	300	2.0	N	N	7	30	10	20	N	N	20	N
B540	1,000	1.5	N	N	5	30	30	20	N	N	15	10
B536	300	1.0	N	N	7	30	15	30	N	N	20	10
B562	300	1.0	N	N	10	30	10	30	N	N	15	N
B532	300	<1.0	N	N	5	20	5	N	N	N	10	N
B533	200	<1.0	N	N	N	15	5	30	N	N	5	10
B534	700	1.5	N	N	7	50	5	N	N	N	15	20
AC2002	50	--	--	--	50	N	30	--	N	--	15	300
AC2003	300	--	--	--	15	50	15	--	N	--	20	15
ADA001	200	--	--	--	10	30	15	--	N	--	20	30
ADA002	300	--	--	--	15	30	7	--	N	--	20	30

Chateau rock--continued

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
B92	N	N	N	500	N	N	N	N	N	N	.02
B606	N	5	N	300	70	N	10	N	100	N	.02
B607	N	<5	N	500	50	N	50	N	30	N	.02
B608	N	<7	N	N	70	N	20	N	500	N	.04
B609	N	7	N	N	50	N	30	N	300	N	.04
B610	N	<5	N	<100	20	N	<10	N	100	N	.02
B611	N	7	N	100	70	N	15	N	150	N	.04
B612	N	7	N	N	70	N	30	N	150	N	.04
B613	N	<5	N	N	15	N	10	N	50	N	.04
B561	N	15	N	N	100	N	70	N	150	N	.12
M006	N	10	N	N	70	N	15	N	150	N	--
AC2005	--	--	N	--	20	N	20	N	--	--	--
AC2006	--	--	N	--	50	N	20	N	--	--	--
AC2007	--	--	N	--	20	N	15	200	--	--	--
ADA030	--	--	N	--	10	N	<10	200	--	--	--
AMS897	--	--	10	--	300	N	50	200	--	--	--
792AR	N	--	N	--	50	N	--	N	--	--	<.02
792BR	N	--	N	--	50	N	--	N	--	--	.02
792CR	N	--	N	--	50	N	--	N	--	--	N
794AR	N	--	N	--	100	N	--	N	--	--	.02
794BR	N	--	N	--	30	N	--	N	--	--	.12
HS774	<100	<5	<10	100	10	<50	5	200	20	N	--
HS636	<100	7	<10	500	50	<50	20	<200	300	N	.05
B82	N	N	N	N	15	N	N	N	100	N	.02
B83	N	10	N	N	30	N	50	N	500	N	N
B84	N	10	N	N	70	N	30	N	200	N	<.02
B85	N	15	N	N	30	N	70	N	300	N	.02
B86	N	5	N	1,000	30	N	150	N	100	N	.03
B87	N	<10	N	N	70	N	30	N	300	N	N
B88	N	<5	N	N	20	N	10	N	300	N	N
B89	N	<5	N	N	30	N	15	N	300	N	N
B297	N	N	N	300	30	N	N	N	N	N	.04
M594	N	N	N	300	70	N	N	N	10	N	.10
M566	N	10	N	100	70	N	30	N	150	N	.08
M641	N	<5	N	N	20	N	15	N	100	N	.04
M640	N	5	N	N	30	N	15	N	100	N	.02
M579	N	5	N	N	50	N	15	N	70	N	.06
B537	N	10	N	N	70	N	20	N	300	N	<.02
B538	N	7	N	300	50	N	20	N	50	N	<.02
B539	N	10	N	N	50	N	20	N	200	N	N
B540	N	10	N	N	50	N	15	N	150	N	<.02
B536	N	7	N	N	30	N	20	N	300	N	N
B562	N	15	N	N	70	N	30	N	150	N	N
B532	N	7	N	N	30	N	15	N	70	N	.04
B533	N	5	N	N	20	N	10	N	20	N	<.02
B534	N	7	N	N	30	N	15	N	100	N	N
AC2002	--	--	N	--	20	N	70	N	--	--	--
AC2003	--	--	N	--	50	N	20	N	--	--	--
ADA001	--	--	N	--	50	N	15	<200	--	--	--
ADA002	--	--	N	--	70	N	15	N	--	--	--

sample	Latitude	Longitude	MAP_NO.	S-FEX	S-MGZ	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
AC2991	47 40 32	113 56 33	1,021	2.00	3.00	.30	--	150	N	N	--	--
ADA005	47 40 45	113 56 58	1,021	.10	.20	.30	--	150	N	<200	--	--
ADA517	47 40 7	113 56 54	1,021	.70	.70	1.00	--	300	N	N	--	--
ADA007	47 40 3	113 57 17	1,022	3.00	1.50	.30	--	300	N	N	--	--
ADA031	47 40 29	113 57 57	1,022	5.00	1.50	.30	--	300	N	N	--	--
ADA032	47 40 29	113 57 57	1,022	5.00	3.00	.15	--	300	N	N	--	--
ADA033	47 40 29	113 57 57	1,022	2.00	1.50	.30	--	200	N	N	--	--
ADA034	47 40 29	113 57 57	1,022	1.50	1.50	.15	--	150	N	N	--	--
ADA518	47 40 13	113 57 3	1,022	1.50	1.50	1.00	--	300	N	N	--	--
ADA519	47 40 12	113 57 10	1,022	.30	.30	1.00	--	300	N	N	--	--
ADA520	47 40 22	113 57 23	1,022	.70	1.50	.70	--	300	N	N	--	--
HS539	47 41 0	112 43 1	1,023	<.05	.20	.70	--	70	N	N	--	--
HS785	47 41 23	112 47 17	1,024	2.00	.70	1.50	.002	700	N	N	N	<10
HS786	47 41 23	112 47 33	1,024	3.00	.15	.05	.150	100	N	N	N	30
EF8312	47 41 0	112 48 0	1,025	3.00	.70	.30	.300	150	N	N	N	200
HS775	47 41 0	112 48 25	1,025	.50	7.00	.10	.050	70	<.5	<200	--	10
HS763	47 41 49	112 50 34	1,026	1.00	.10	.05	.100	100	N	N	N	N
HS781	47 41 3	112 50 12	1,026	.20	.05	.10	.300	<10	<.5	<200	--	20
HS640	47 41 35	112 51 52	1,027	1.50	.50	.50	.100	150	N	N	N	N
HS762	47 41 35	112 51 21	1,027	3.00	1.50	1.50	.300	300	N	N	N	N
HS639	47 41 24	112 54 34	1,028	1.00	.70	.50	.300	200	<.5	<200	--	<10
EFB268	47 41 0	112 55 0	1,029	5.00	1.00	.30	.700	200	N	N	N	200
HS545	47 41 20	112 57 19	1,030	3.00	.70	1.00	.500	700	N	N	N	N
HS549	47 41 46	112 59 19	1,031	2.00	1.50	1.50	.150	200	N	N	N	70
HS551	47 41 34	112 59 25	1,031	7.00	3.00	1.50	.500	1,000	<.5	<200	--	100
M60	47 41 17	113 1 56	1,032	.05	7.00	20.00	.010	70	N	N	N	N
M70	47 41 24	113 7 39	1,033	3.00	1.00	N	.200	300	N	N	N	20
M71	47 41 44	113 7 0	1,033	1.50	.30	<.05	.150	50	N	N	N	<10
B299	47 41 43	113 9 24	1,034	N	2.00	15.00	.005	20	N	N	N	N
B298	47 41 5	113 10 21	1,035	.30	10.00	15.00	.010	100	N	N	N	N
M546	47 41 11	113 15 18	1,036	.50	.50	20.00	.020	200	N	N	N	N
M547	47 41 19	113 15 42	1,036	3.00	.50	.10	.150	300	N	N	N	50
M548	47 41 26	113 16 1	1,037	3.00	2.00	.15	.150	200	N	N	N	70
M549	47 41 48	113 16 58	1,037	3.00	2.00	.70	.300	500	N	N	N	70
M551	47 41 35	113 18 33	1,038	3.00	1.00	.30	.500	300	N	N	N	150
M552	47 41 38	113 19 21	1,039	3.00	1.50	.07	.100	70	N	N	N	50
M553	47 41 57	113 19 55	1,039	3.00	3.00	2.00	.150	300	N	N	N	50
M554	47 41 51	113 20 57	1,040	.07	2.00	20.00	.015	100	N	N	N	N
M569	47 41 47	113 23 52	1,041	1.50	1.50	.10	.150	200	N	N	N	70
M567	47 41 7	113 25 25	1,042	1.00	.50	.05	.050	50	N	N	N	10
M568	47 41 11	113 25 14	1,042	2.00	2.00	.30	.200	300	N	N	N	150
M639	47 41 22	113 28 44	1,043	3.00	3.00	.10	.200	70	N	N	N	100
B543	47 41 31	113 31 32	1,044	3.00	3.00	3.00	.100	700	N	N	N	10
B544	47 41 33	113 31 18	1,044	5.00	7.00	10.00	.200	1,500	N	N	N	20
B541	47 41 8	113 32 6	1,045	3.00	7.00	7.00	.200	1,000	N	N	N	70
B542	47 41 13	113 32 1	1,045	3.00	5.00	2.00	.300	500	N	N	N	30
B535	47 41 8	113 33 44	1,046	7.00	3.00	.10	.500	300	N	N	N	50
B528	47 41 12	113 35 50	1,047	3.00	1.00	3.00	.300	1,000	N	N	N	70
B529	47 41 38	113 36 0	1,048	5.00	3.00	2.00	.500	1,000	N	N	N	150
B530	47 41 57	113 36 11	1,048	20.00	2.00	5.00	>1.000	2,000	N	N	N	N

Chateau rock--continued

sample	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
ACZ991	300	--	--	--	10	30	7	--	N	--	15	<10
ADA005	70	--	--	--	<5	N	30	--	N	--	5	N
ADA517	150	--	--	--	5	10	15	--	N	--	<5	15
ADA007	700	--	--	--	15	30	7	--	N	--	20	10
ADA031	700	--	--	--	15	50	50	--	N	--	30	15
ADA032	700	--	--	--	15	70	20	--	N	--	30	30
ADA033	300	--	--	--	10	20	<5	--	N	--	15	<10
ADA034	150	--	--	--	20	15	5	--	N	--	20	<10
ADA518	1,500	--	--	--	15	15	30	--	N	--	15	30
ADA519	100	--	--	--	5	10	N	--	N	--	5	N
ADA520	150	--	--	--	5	10	70	--	N	--	15	<10
HS539	N	N	N	N	N	N	N	20	N	N	N	N
HS785	2,000	1.5	N	N	7	N	10	<20	N	N	15	10
HS786	150	1.5	N	N	7	N	5	30	N	N	15	<10
EFB312	700	5.0	N	N	10	70	50	--	N	N	70	30
HS775	20	1.0	<10	<20	<5	20	5	<20	<5	--	<5	10
HS763	100	N	N	N	<5	<10	<5	N	N	N	5	<10
HS781	150	<1.0	<10	<20	<5	30	7	50	<5	--	<5	20
HS640	500	1.0	N	N	7	15	20	30	N	N	15	20
HS762	1,000	<1.0	N	N	10	70	<5	50	N	N	15	15
HS639	300	1.0	<10	<20	<5	5	<5	50	<5	--	<5	20
EFB268	1,000	5.0	N	N	15	150	100	--	N	N	70	20
HS545	1,000	1.5	N	N	7	N	100	50	N	N	N	15
HS549	1,500	1.5	N	N	7	30	3,000	20	N	N	10	<10
HS551	500	<1.0	<10	<20	<5	70	70	30	<5	--	20	10
M60	N	N	N	N	N	N	7	N	N	<10	N	N
M70	>5,000	2.0	N	N	10	50	30	30	N	N	20	<10
M71	200	<1.0	N	N	N	15	10	<20	N	N	<5	N
B299	N	N	N	N	N	N	<5	N	N	N	N	N
B298	N	N	N	N	N	N	30	N	N	N	N	10
M546	<20	N	N	N	N	N	<5	N	N	N	N	10
M547	300	<1.0	N	N	5	20	10	30	N	N	15	<10
M548	700	1.0	N	N	7	30	10	20	N	N	15	<10
M549	700	1.0	N	N	10	30	20	30	N	N	20	10
M551	700	2.0	N	N	7	70	15	50	N	N	20	20
M552	2,000	1.0	N	N	5	15	20	20	N	N	10	10
M553	700	1.0	N	N	15	30	10	30	N	N	30	<10
M554	N	N	N	N	N	N	10	N	N	N	N	10
M569	300	2.0	N	N	5	20	30	30	N	N	15	10
M567	700	<1.0	N	N	N	N	10	20	N	N	5	N
M568	700	3.0	N	N	5	30	20	50	N	N	15	10
M639	70	<1.0	N	N	7	50	7	30	N	N	20	N
B543	500	1.0	N	N	5	10	20	N	N	N	15	N
B544	300	<1.0	N	N	N	30	10	N	N	N	15	N
B541	300	1.0	N	N	5	30	20	20	N	N	7	15
B542	300	<1.0	N	N	5	30	50	20	N	N	15	N
B535	300	1.5	N	N	5	30	20	30	N	N	20	100
B528	3,000	1.0	N	N	7	30	10	20	N	N	15	N
B529	300	1.0	N	N	10	70	<5	30	N	N	15	N
B530	200	1.0	N	N	20	15	500	N	N	N	30	N

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
AC1991	--	--	N	--	50	N	15	N	--	--	--
ADA005	--	--	N	--	<10	N	<10	N	--	--	--
ADA517	--	--	N	--	15	N	50	N	--	--	--
ADA007	--	--	N	--	70	N	30	N	--	--	--
ADA031	--	--	N	--	70	N	30	N	--	--	--
ADA032	--	--	N	--	70	N	30	N	--	--	--
ADA033	--	--	N	--	50	N	20	N	--	--	--
ADA034	--	--	N	--	70	N	15	N	--	--	--
ADA518	--	--	N	--	20	N	30	N	--	--	--
ADA519	--	--	N	--	10	N	15	N	--	--	--
ADA520	--	--	N	--	20	N	30	N	--	--	--
HS539	N	N	N	N	N	N	N	N	N	N	.06
HS785	N	7	N	700	70	N	10	N	50	N	.04
HS786	N	7	N	100	30	N	30	N	1,000	N	.04
EFB312	N	10	N	150	150	N	20	N	100	N	.06
HS775	<100	<5	<10	150	30	<50	5	<200	10	--	--
HS763	N	N	N	N	15	N	<10	N	50	N	.04
HS781	<100	<5	<10	100	30	<50	5	<200	300	--	--
HS640	N	5	N	200	50	N	10	N	100	N	.04
HS762	N	10	N	200	70	N	20	N	150	N	.05
HS639	<100	5	<10	700	30	<50	20	<200	150	--	--
EFB268	N	15	N	100	200	N	30	N	200	--	.02
HS545	N	10	N	300	150	N	15	N	150	N	.02
HS549	N	5	N	100	70	N	15	N	150	N	.05
HS551	<100	10	<10	<100	100	<50	50	<200	500	--	--
M60	N	N	N	100	<10	N	N	N	N	N	N
M70	N	N	N	N	70	N	30	N	200	N	<.02
M71	N	<5	N	N	30	N	<10	N	150	N	.02
B299	N	N	N	300	20	N	N	N	N	N	.05
B298	N	N	N	<100	30	N	N	N	N	N	.03
M546	N	<5	N	300	30	N	N	N	10	N	<.02
M547	N	7	N	N	70	N	N	N	150	N	.04
M548	N	10	N	N	70	N	20	N	150	N	.02
M549	N	10	N	N	70	N	30	N	300	N	.04
M551	N	15	N	N	70	N	50	N	700	N	.02
M552	N	5	N	100	30	N	15	N	150	N	.05
M553	N	7	N	150	50	N	30	N	150	N	.02
M554	N	N	N	N	50	N	N	N	N	N	.14
M569	N	7	N	N	50	N	30	N	150	N	.10
M567	N	N	N	N	15	N	<10	N	50	N	.08
M568	N	15	N	<100	70	N	30	N	150	N	.16
M639	N	10	N	N	70	N	20	N	300	N	.04
B543	N	<5	N	N	10	N	10	N	100	N	.02
B544	N	7	N	N	30	N	15	N	70	N	N
B541	N	5	N	N	30	N	15	N	50	N	.02
B542	N	5	N	N	30	N	15	N	200	N	N
B535	N	7	N	N	30	N	20	N	200	N	<.02
B528	N	7	N	200	20	N	15	N	200	N	.02
B529	N	10	N	N	50	N	15	N	70	N	.04
B530	N	30	N	100	700	N	30	N	100	N	N

Chateau rock--continued

sample	latitude	longitude	MAP_NO.	S-FEX	S-MGZ	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
M512	47 41 23	113 43 25	1,049	10.00	2.00	.07	.300	150	N	N	N	50
M513	47 41 21	113 43 7	1,049	3.00	3.00	1.50	.300	200	.5	N	N	30
ADA009	47 41 17	113 56 30	1,050	3.00	3.00	2.00	--	200	<.5	N	--	--
ADA010	47 41 20	113 56 2	1,050	3.00	3.00	2.00	--	200	1.5	N	--	--
ADA011	47 41 35	113 56 30	1,050	2.00	3.00	10.00	--	300	<.5	N	--	--
ADA012	47 41 43	113 56 29	1,050	3.00	5.00	10.00	--	1,500	2.0	N	--	--
ADA008	47 41 7	113 57 15	1,051	1.00	1.00	1.00	--	500	N	N	--	--
HS833	47 42 45	112 42 54	1,052	5.00	1.00	.50	.300	700	<.5	<200	--	<10
HS792	47 42 57	112 45 39	1,053	3.00	.70	.70	.300	1,000	<.5	<200	--	10
HS790	47 42 35	112 47 10	1,054	1.50	.20	1.50	.150	1,500	N	N	N	10
HS791	47 42 42	112 47 51	1,054	.30	.02	.70	.100	200	<.5	<200	--	20
HS819	47 42 1	112 47 7	1,054	>20.00	.50	.30	.020	100	<.5	<200	--	100
CH181	47 42 11	112 48 30	1,055	20.00	.10	.20	.010	20	N	N	--	<10
HS641	47 42 20	112 53 2	1,056	3.00	.30	.50	.200	200	N	N	N	10
HS548	47 42 14	112 56 5	1,057	1.50	.20	.30	.100	50	N	N	N	10
M46	47 42 52	112 58 24	1,058	3.00	.70	1.00	.500	700	N	N	N	N
EFB283	47 42 0	112 59 0	1,059	7.00	.70	.50	.700	300	N	N	N	100
M77	47 42 55	113 3 30	1,060	3.00	1.50	1.50	.300	500	N	N	N	30
M75	47 42 35	113 4 49	1,061	1.50	.50	<.05	.150	30	N	N	N	30
M76	47 42 37	113 4 1	1,061	1.50	.70	.30	.150	150	N	N	N	50
M73	47 42 14	113 5 58	1,062	2.00	.50	2.00	.100	1,500	1.0	N	N	150
M74	47 42 26	113 5 8	1,062	.50	.15	N	.100	100	N	N	N	20
M72	47 42 1	113 6 33	1,063	2.00	1.00	1.50	.150	700	5.0	N	N	100
M592	47 42 30	113 14 44	1,064	.10	2.00	>20.00	.015	50	N	N	N	N
B645	47 42 55	113 23 39	1,065	.30	3.00	>20.00	.020	70	N	N	N	N
M570	47 42 6	113 23 15	1,065	.50	1.00	>20.00	.050	200	N	N	N	N
B644	47 42 18	113 27 57	1,066	1.50	2.00	1.00	.070	700	N	N	N	50
M642	47 42 0	113 28 48	1,067	1.50	.70	.15	.150	300	N	N	N	70
M643	47 42 50	113 28 26	1,067	2.00	.70	.15	.200	500	N	N	N	70
M535	47 42 49	113 33 17	1,068	3.00	1.00	3.00	.500	1,500	N	N	N	50
M534	47 42 37	113 34 50	1,069	2.00	1.50	.05	.500	2,000	N	N	N	50
B531	47 42 5	113 36 34	1,070	7.00	7.00	3.00	.700	2,000	N	N	N	200
M526	47 42 59	113 36 9	1,070	1.50	.70	3.00	.300	2,000	N	N	N	50
EFB337	47 43 0	112 37 0	1,071	3.00	.70	.20	.500	50	N	N	N	200
EFB338	47 43 0	112 37 0	1,071	3.00	.70	.30	.500	150	<.5	N	N	200
CH164	47 43 42	112 45 31	1,072	15.00	.50	10.00	.030	100	N	N	--	30
CH165	47 43 16	112 46 24	1,073	20.00	.30	.50	.010	100	N	N	--	20
M021	47 43 10	112 49 0	1,074	2.00	1.00	20.00	.015	100	<.5	<200	--	<10
HS643	47 43 34	112 51 13	1,075	3.00	1.50	1.00	.500	1,000	N	<200	--	<10
HS642	47 43 12	112 52 32	1,076	1.00	.15	.05	.100	70	N	N	N	N
HS555	47 43 12	112 54 29	1,077	3.00	.50	.50	.200	300	N	N	N	N
HS638	47 43 32	112 54 17	1,077	2.00	.30	3.00	.150	1,500	N	N	N	N
M47	47 43 6	112 57 24	1,078	1.50	.50	1.00	.200	300	N	N	N	30
M80	47 43 35	113 0 50	1,079	1.50	.50	.15	.200	20	N	N	N	30
M81	47 43 46	113 0 40	1,079	2.00	.70	.10	.150	300	N	N	N	30
M79	47 43 30	113 1 20	1,080	.10	.50	20.00	.020	20	N	N	N	N
M78	47 43 13	113 2 18	1,081	<.05	1.00	15.00	.010	N	N	N	N	N
B57	47 43 33	113 4 57	1,082	.20	7.00	7.00	.015	<10	N	N	N	<10
B55	47 43 33	113 5 54	1,083	3.00	1.50	.07	.200	100	N	N	N	70
B56	47 43 46	113 6 17	1,084	1.50	.50	.07	.150	70	N	N	N	20

sample	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
M512	500	2.0	N	N	30	50	20	N	N	N	30	70
M513	200	3.0	N	N	5	30	15	20	N	N	15	20
ADA009	500	--	--	--	10	50	20	--	N	--	20	100
ADA010	500	--	--	--	10	30	20	--	N	--	20	300
ADA011	300	--	--	--	15	30	20	--	N	--	20	150
ADA012	300	--	--	--	10	30	10	--	N	--	15	500
ADA008	200	--	--	--	5	<10	70	--	N	--	<5	<10
HS833	200	<1.0	--	<20	<5	50	20	20	100	--	20	15
HS792	1,000	<1.0	<10	<20	5	50	5	20	<5	--	5	15
HS790	100	1.0	N	N	N	N	<5	30	N	N	N	N
HS791	100	1.0	<10	<20	<5	10	5	20	<5	--	<5	10
HS819	300	3.0	<10	<20	<5	50	70	<20	300	--	300	200
CH181	50	<1.0	<10	<20	5	N	50	<20	30	--	50	15
HS641	700	1.5	N	N	10	15	30	30	N	N	7	15
HS548	200	1.0	N	N	N	50	10	20	N	N	15	<10
M46	1,000	<1.0	N	N	10	N	100	30	N	N	N	15
EFB283	1,000	5.0	N	N	20	100	50	--	N	N	70	30
M77	200	1.0	N	N	<5	50	30	30	N	N	7	10
M75	300	N	N	N	N	15	30	30	N	N	5	N
M76	500	<1.0	N	N	<5	15	15	30	N	N	15	<10
M73	>5,000	3.0	N	N	15	15	150	20	N	N	10	50
M74	300	N	N	N	N	<10	5	N	N	N	N	N
M72	1,500	3.0	N	N	<5	20	2,000	30	N	N	5	20
M592	N	N	N	N	N	N	10	N	N	N	<5	<10
B645	50	N	N	N	N	<10	5	<20	N	N	N	15
M570	70	N	N	N	N	10	10	N	N	N	<5	15
B644	700	3.0	N	N	7	30	15	20	N	N	20	10
M642	300	2.0	N	N	5	30	7	30	N	N	10	10
M643	300	1.5	N	N	7	30	10	30	N	N	15	10
M535	700	1.5	N	N	7	30	5	30	N	N	15	10
M534	500	1.5	N	N	5	30	50	30	N	N	15	10
B531	1,000	2.0	N	N	7	100	15	30	N	N	20	15
M526	300	1.0	N	N	5	15	10	50	N	N	10	10
EFB337	1,000	5.0	N	N	5	150	20	--	<5	N	30	30
EFB338	1,000	5.0	N	N	7	100	20	--	N	N	70	30
CH164	50	1.0	<10	<20	N	30	30	20	20	--	200	50
CH165	50	<1.0	<10	<20	N	20	10	<20	100	--	30	50
M021	50	<1.0	<10	<20	<5	10	10	<20	<5	--	10	50
HS643	50	<1.0	<10	<20	5	5	30	20	<5	--	<5	20
HS642	200	1.0	N	N	N	<10	30	30	N	<10	<5	<10
HS555	700	<1.0	N	N	10	20	15	20	N	N	10	10
HS638	700	<1.0	N	N	<5	15	10	30	N	N	<5	10
M47	200	1.0	N	N	<5	30	10	20	N	N	15	N
M80	300	N	N	N	N	<10	100	<20	N	N	N	10
M81	300	N	N	N	5	20	15	20	N	N	15	<10
M79	N	N	N	N	N	N	10	N	N	N	N	N
M78	N	N	N	N	N	N	N	N	N	N	N	N
B57	N	N	N	N	N	N	7	N	N	N	<5	<10
B55	700	<1.0	N	N	15	50	5	20	N	N	30	N
B56	200	N	N	N	N	20	7	N	N	N	10	N

Chateau rock--continued

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
M512	N	15	N	N	70	N	10	N	150	N	.16
M513	N	15	N	N	70	N	30	N	150	N	.06
ADA009	--	--	N	--	50	N	30	N	--	--	--
ADA010	--	--	N	--	50	N	10	N	--	--	--
ADA011	--	--	N	--	70	N	15	N	--	--	--
ADA012	--	--	N	--	30	N	15	N	--	--	--
ADA008	--	--	N	--	10	N	20	N	--	--	--
HS833	<100	10	<10	200	200	<50	10	<200	70	--	--
HS792	<100	10	<10	700	150	<50	<10	<200	70	--	--
HS790	N	N	N	N	30	N	10	N	500	N	.04
HS791	<100	<5	20	150	15	<50	5	<200	100	--	--
HS819	<100	<5	<10	500	200	<50	70	1,500	<10	--	--
CH181	<100	<5	<10	<100	100	<50	10	3,000	<10	--	--
HS641	N	10	N	100	50	N	20	N	200	N	.03
HS548	N	5	N	N	70	N	10	N	150	N	.02
M46	N	15	N	700	200	N	15	N	150	N	.03
EFB283	N	20	N	100	150	N	30	N	200	--	.04
M77	N	10	N	N	50	N	20	N	700	N	.05
M75	N	<5	N	N	30	N	20	N	200	N	.03
M76	N	7	N	N	50	N	20	N	150	N	.02
M73	N	7	N	700	100	N	50	N	150	N	.08
M74	N	N	N	N	10	N	<10	N	150	N	.05
M72	N	<7	N	N	50	N	20	N	200	N	.05
M592	N	N	N	N	70	N	N	N	10	N	<.02
B645	N	N	N	700	30	N	N	N	30	N	.10
M570	N	N	N	300	50	N	N	N	50	N	.04
B644	N	7	N	200	50	N	30	N	70	N	.08
M642	N	5	N	N	70	N	15	N	150	N	.04
M643	N	7	N	<100	70	N	30	N	200	N	<.02
M535	N	15	N	N	70	N	30	N	300	N	N
M534	N	10	N	N	50	N	20	N	200	N	<.02
B531	N	15	N	N	70	N	30	N	300	N	.04
M526	N	7	N	N	20	N	20	N	300	N	.06
EFB337	N	15	N	200	300	N	20	N	200	--	--
EFB338	N	10	N	100	300	N	20	N	150	--	--
CH164	<100	<5	N	<100	100	N	10	<200	5	--	--
CH165	<100	<5	N	500	50	N	10	1,000	<10	--	--
M021	<100	<5	<10	<100	20	<50	<10	300	<10	--	--
HS643	<100	10	<10	1,000	300	<50	10	<200	100	--	--
HS642	N	<5	N	<100	15	N	15	N	150	N	.04
HS555	N	10	N	500	70	N	15	N	100	N	.06
HS638	N	5	N	300	50	N	15	N	150	N	.03
M47	N	7	N	100	100	N	15	N	100	N	.03
M80	N	N	N	N	20	N	15	N	500	N	.02
M81	N	5	N	N	30	N	15	N	150	N	N
M79	N	N	N	300	N	N	N	N	N	N	.03
M78	N	N	N	200	N	N	N	N	N	N	.04
B57	N	N	N	N	10	N	N	N	10	N	.02
B55	N	10	N	<100	50	N	15	N	150	N	.04
B56	N	<5	N	N	30	N	15	N	150	N	.02

sample	Latitude	Longitude	MAP_NO.	S-FEX	S-MGX	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
B300	47 43 56	113 13 29	1-085	N	.50	20.00	.005	30	N	N	N	N
B628	47 43 51	113 17 13	1-086	1.50	.50	2.00	.100	700	N	N	N	70
B629	47 43 44	113 17 56	1-086	.30	.15	<.05	.050	50	N	N	N	30
B630	47 43 38	113 18 17	1-087	.10	.15	<.05	.015	30	N	N	N	N
B631	47 43 31	113 18 40	1-087	.50	.50	<.05	.070	70	N	N	N	50
B635	47 43 28	113 20 2	1-088	1.50	1.50	<.05	.070	100	N	N	N	50
M580	47 43 37	113 24 24	1-089	.30	.70	15.00	.020	50	N	N	N	10
M651	47 43 52	113 26 0	1-090	3.00	1.50	.10	.150	300	N	N	N	100
M650	47 43 20	113 27 19	1-091	2.00	2.00	.50	.200	500	N	N	N	70
M644	47 43 53	113 28 10	1-092	.30	.20	<.05	.020	30	N	N	N	20
M533	47 43 48	113 32 28	1-093	20.00	3.00	3.00	>1.000	2,000	N	N	N	150
M530	47 43 29	113 34 9	1-094	5.00	7.00	10.00	.300	1,000	N	N	N	70
M527	47 43 12	113 35 41	1-095	10.00	2.00	7.00	.200	3,000	N	N	N	20
M528	47 43 14	113 35 24	1-095	7.00	2.00	10.00	.300	2,000	N	N	N	30
M529	47 43 26	113 35 14	1-095	1.50	1.50	20.00	.500	2,000	N	N	N	30
B565	47 43 19	113 37 24	1-096	2.00	3.00	20.00	.150	500	N	N	N	30
M524	47 43 33	113 39 33	1-097	2.00	7.00	10.00	.150	700	N	N	N	20
M525	47 43 6	113 39 58	1-097	2.00	5.00	5.00	.500	500	N	N	N	100
EFB316	47 44 0	112 43 0	1-098	5.00	.50	.30	.700	500	<.5	N	N	100
EFB317	47 44 0	112 44 0	1-099	3.00	1.50	7.00	.300	700	N	N	N	300
EFB318	47 44 0	112 44 0	1-099	3.00	.30	.10	.500	150	N	N	N	200
EFB319	47 44 0	112 44 0	1-099	7.00	.70	.20	.300	100	N	N	N	500
EFB314	47 44 0	112 45 0	1-100	2.00	1.50	5.00	.300	500	N	N	N	200
EFB315	47 44 0	112 45 0	1-100	1.50	1.50	1.00	.500	200	.5	N	N	100
HS829	47 44 5	112 45 39	1-100	15.00	1.00	1.00	>1.000	1,500	<.5	<200	--	30
AMS894	47 44 40	112 46 24	1-101	7.00	.50	15.00	--	100	N	N	--	--
AMS895	47 44 40	112 46 24	1-101	>20.00	.20	.70	--	200	N	N	--	--
EFB313	47 44 0	112 46 0	1-101	2.00	3.00	5.00	.300	700	N	N	N	300
HS828	47 44 49	112 46 45	1-101	15.00	.10	5.00	.070	700	5.0	700	--	50
HS796	47 44 25	112 47 55	1-102	2.00	3.00	1.50	.200	1,000	<.5	<200	--	10
HS798	47 44 23	112 47 41	1-102	.30	.15	.20	.300	<50	<.5	<200	N	10
HS795	47 44 31	112 48 13	1-103	1.00	.02	.10	.300	70	<.5	<200	--	30
HS799	47 44 8	112 48 37	1-103	.15	1.50	20.00	.015	<10	N	N	N	N
HS644	47 44 16	112 51 36	1-104	3.00	.50	.30	.300	300	N	N	N	N
HS767A	47 44 34	112 52 49	1-105	.02	3.00	>10.00	<.002	70	N	N	--	100
HS765A	47 44 40	112 53 18	1-106	<.05	5.00	>10.00	<.002	N	N	N	--	70
EFB282	47 44 0	112 56 0	1-107	1.50	.70	3.00	.300	300	N	N	N	15
M82	47 44 12	112 59 22	1-108	1.50	7.00	10.00	.100	2,000	N	N	N	30
B94	47 44 57	113 4 49	1-109	1.50	1.00	.70	.150	300	N	N	N	70
B95	47 44 51	113 4 27	1-109	3.00	1.00	.50	.200	200	N	N	N	30
B96	47 44 39	113 4 4	1-109	2.00	.50	.07	.150	100	N	N	N	70
B93	47 44 50	113 5 9	1-110	2.00	1.00	.20	.300	N	N	N	N	30
M289	47 44 39	113 7 31	1-111	2.00	1.50	1.00	.200	1,000	N	N	N	50
M290	47 44 30	113 7 19	1-111	2.00	1.00	.50	.200	500	N	N	N	30
B98A	47 44 43	113 8 5	1-112	.20	1.00	20.00	.020	100	N	N	N	N
B626	47 44 20	113 17 56	1-113	1.00	1.00	1.50	.070	500	N	N	N	70
B627	47 44 4	113 17 18	1-113	1.50	1.50	.70	.100	1,000	N	N	N	100
B625	47 44 45	113 18 19	1-114	.50	.30	.15	.150	100	<.5	N	N	50
M555	47 44 42	113 18 44	1-114	.10	.05	.15	.015	20	N	N	N	N
M556	47 44 42	113 19 7	1-115	1.00	.70	.15	.050	200	N	N	N	30

Choteau rock--continued

sample	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
B300	N	N	N	N	N	N	<5	N	N	N	N	N
B628	1,500	1.0	N	N	<5	30	5	30	N	N	7	200
B629	500	<1.0	N	N	N	<10	10	N	N	N	5	<10
B630	50	N	N	N	N	N	<5	N	N	N	5	N
B631	300	<1.0	N	N	<5	<10	10	N	N	N	5	<10
B635	500	<1.0	N	N	7	20	10	N	<5	N	15	N
M580	N	<1.0	N	N	N	<10	<5	20	N	N	N	<10
M651	2,000	2.0	N	N	<5	30	10	30	N	N	10	N
M650	300	2.0	N	N	5	30	10	30	N	N	15	10
M644	200	<1.0	N	N	N	<10	15	50	N	N	5	N
M533	700	1.5	N	N	100	70	500	N	N	N	100	N
M530	300	1.5	N	N	15	50	70	20	N	N	15	20
M527	500	<1.0	N	N	7	20	200	50	N	N	10	N
M528	300	1.5	N	N	50	30	1,000	70	N	N	50	100
M529	300	<1.0	N	N	15	30	1,500	70	N	N	15	N
B565	150	1.5	N	N	5	15	15	30	N	N	20	15
M524	500	<1.0	N	N	N	30	30	20	N	N	5	10
M525	700	2.0	N	N	5	50	5	30	N	N	10	N
EFB316	700	5.0	N	N	15	100	50	--	N	N	70	30
EFB317	700	5.0	N	N	10	100	20	--	N	N	70	20
EFB318	500	5.0	N	N	10	100	50	--	N	N	50	50
EFB319	700	5.0	N	N	7	200	70	--	N	N	20	30
EFB314	500	5.0	N	N	15	70	30	--	N	N	30	20
EFB315	500	5.0	N	N	7	100	30	--	N	N	30	15
HS829	200	<1.0	--	<20	30	150	30	300	5	--	50	<10
AMS894	10	--	--	--	N	50	30	--	5	--	100	10
AMS895	70	--	--	--	7	20	5	--	30	--	70	N
EFB313	300	5.0	N	N	10	100	15	--	N	N	50	20
HS828	100	1.0	<10	<20	100	50	200	500	100	--	3,000	70
HS796	700	1.0	<10	<20	5	50	30	20	<5	--	7	15
HS798	500	<1.0	<10	<20	<5	30	<5	50	<5	--	<5	20
HS795	200	1.0	<10	<20	<5	20	<5	30	<5	--	<5	15
HS799	N	N	N	N	N	N	N	N	N	N	N	N
HS644	1,000	1.0	N	N	<5	N	100	30	N	N	<5	100
HS767A	700	N	N	N	N	20	5	N	20	N	7	<10
HS765A	200	N	N	N	N	<10	<5	N	20	--	N	N
EFB282	700	5.0	N	N	7	70	15	--	N	N	30	15
M82	1,500	N	N	N	N	N	20	N	N	N	N	<10
B94	500	1.0	N	N	10	30	10	20	N	N	15	<10
B95	500	1.5	N	N	15	70	20	30	N	N	15	<10
B96	300	1.5	N	N	<5	70	30	30	N	N	20	10
B93	300	1.5	N	N	10	70	70	30	N	N	20	<10
M289	1,500	2.0	N	N	5	N	30	50	N	N	10	10
M290	1,500	2.0	N	N	5	N	20	N	N	N	15	10
B98A	N	N	N	N	N	N	10	N	N	N	N	N
B626	700	1.5	N	N	5	20	100	20	N	N	10	15
B627	5,000	3.0	N	N	5	20	20	30	N	N	10	10
B625	300	1.0	N	N	N	30	15	20	N	N	5	10
M555	200	N	N	N	N	N	15	<20	N	N	5	<10
M556	300	3.0	N	N	N	<10	20	30	N	N	7	10

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-2N	S-ZR	AA-AU-P	INST-HG
B300	N	N	N	200	20	N	10	N	N	N	.06
B628	N	7	N	100	70	N	30	N	150	N	.08
B629	N	<5	N	N	10	N	N	N	150	N	.26
B630	N	N	N	N	N	N	N	N	20	N	.14
B631	N	<5	N	N	15	N	10	N	150	N	.12
B635	N	<5	N	N	30	N	10	N	100	N	.35
M580	N	<5	N	500	50	N	<10	N	N	N	.18
M651	N	7	N	100	50	N	20	N	150	N	.02
M650	N	10	N	N	50	N	30	N	150	N	<.02
M644	N	<5	N	N	20	N	N	N	30	N	.02
M533	N	50	N	N	700	N	30	N	300	N	<.02
M530	N	10	N	N	50	N	15	N	70	N	.02
M527	N	<7	N	N	100	N	30	N	150	N	<.02
M528	N	10	N	N	30	N	20	N	70	N	<.02
M529	N	7	N	N	30	N	50	N	300	N	N
B565	N	10	N	150	70	N	30	N	100	N	.02
M524	N	5	N	100	20	N	15	N	30	N	<.02
M525	N	15	N	N	30	N	20	N	150	N	<.02
EFB316	N	20	N	100	150	N	30	N	150	N	.02
EFB317	N	10	N	200	100	N	15	N	70	N	.02
EFB318	N	7	N	100	100	N	15	N	200	N	.02
EFB319	N	10	N	700	100	N	15	N	150	N	.06
EFB314	N	10	N	150	70	N	20	N	70	N	.02
EFB315	N	10	N	100	100	N	20	N	100	N	.04
HSR29	<100	10	<10	200	500	<50	20	700	500	N	--
AMS894	--	--	N	--	100	N	20	700	--	N	--
AMS895	--	--	N	--	50	N	20	500	--	N	--
EFB313	N	10	N	200	70	N	15	N	70	N	.02
HSB28	70	<5	<10	3,000	200	<50	>200	3,000	150	N	--
HS796	<100	<5	<10	<100	100	<50	10	<200	70	N	--
HS798	<100	<5	<10	<100	70	<50	20	<200	500	N	.02
HS795	<100	<5	<10	<100	30	<50	15	<200	300	N	--
HS799	N	N	N	200	N	N	N	N	N	N	.02
HS644	N	10	N	300	100	N	15	N	150	N	.02
HS767A	N	N	N	20,000	N	N	5	N	N	N	--
HS765A	N	N	N	10,000	N	N	5	N	N	N	--
EFB282	N	5	N	300	100	N	20	N	150	N	<.02
M82	N	N	N	100	10	N	20	N	150	N	.02
B94	N	7	N	100	50	N	20	N	150	N	N
B95	N	10	N	N	70	N	20	N	200	N	.02
B96	N	5	N	N	50	N	20	N	200	N	.02
B93	N	N	N	N	50	N	30	N	200	N	<.02
M289	N	10	N	N	50	N	30	N	200	N	.02
M290	N	5	N	N	50	N	70	N	300	N	.03
B98A	N	N	N	500	N	N	N	N	<10	N	N
B626	N	7	N	N	50	N	30	N	150	N	.20
B627	N	10	N	300	70	N	30	N	150	N	.02
B625	N	5	N	N	30	N	20	N	150	N	.26
M555	N	N	N	N	10	N	N	N	50	N	.04
M556	N	5	N	N	20	N	20	N	70	N	.08

Chateau rock--continued

sample	latitude	longitude	MAP_NO.	S-FEZ	S-MGX	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
M557	47 44 29	113 19 27	1,115	.15	.02	<.05	.100	300	N	N	N	N
M558	47 44 39	113 20 0	1,116	.30	1.00	<.05	.070	150	N	N	N	20
M559	47 44 41	113 20 43	1,116	.15	1.00	.70	.050	500	N	N	N	70
M560	47 44 35	113 21 2	1,117	.20	.05	<.05	.015	50	N	N	N	N
M561	47 44 34	113 21 21	1,117	.20	.30	20.00	.030	100	N	N	N	N
M562	47 44 30	113 21 45	1,117	.05	.20	20.00	.015	50	N	N	N	N
B636	47 44 9	113 22 4	1,118	.15	.30	20.00	.020	200	N	N	N	N
M581	47 44 54	113 25 23	1,119	.10	.70	15.00	.015	50	N	N	N	N
M645	47 44 27	113 28 9	1,120	.30	.20	.05	.030	30	N	N	N	30
B564	47 44 29	113 37 47	1,121	1.50	3.00	5.00	.200	200	N	N	N	30
M652	47 44 50	113 39 36	1,122	.70	.50	>20.00	.030	700	N	N	N	N
M962	47 45 15	112 42 23	1,123	.05	10.00	10.00	.003	20	N	N	N	N
M964	47 45 20	112 44 43	1,124	2.00	1.50	15.00	.100	300	N	N	N	70
M965	47 45 30	112 45 59	1,125	.07	10.00	10.00	.007	15	N	N	N	N
M83	47 45 32	112 47 7	1,126	.05	.30	20.00	.010	50	N	N	N	N
M95	47 45 58	112 50 46	1,127	.05	7.00	15.00	.002	30	N	N	N	N
M96	47 45 50	112 52 5	1,128	5.00	1.00	1.00	.500	700	N	N	N	50
M97	47 45 35	112 53 34	1,129	3.00	.70	.70	.300	70	N	N	N	50
B124	47 45 59	112 55 41	1,130	5.00	1.50	1.50	.300	300	N	N	N	10
M126	47 45 47	112 57 36	1,131	3.00	.70	.50	.300	1,000	N	N	N	15
M127	47 45 56	112 57 17	1,131	3.00	.50	.20	.200	100	N	N	N	100
B248	47 45 56	112 58 27	1,132	3.00	.30	.15	.300	100	N	N	N	20
M124	47 45 30	112 58 26	1,132	7.00	.70	.70	.300	3,000	N	N	N	N
M125	47 45 38	112 58 0	1,132	2.00	.50	.50	.300	300	N	N	N	N
M122	47 45 20	112 59 31	1,133	5.00	.70	.70	.500	500	N	N	N	N
M123	47 45 21	112 59 4	1,133	2.00	.70	2.00	.200	500	N	N	N	30
B240	47 45 47	113 0 58	1,134	3.00	7.00	10.00	.300	1,500	N	N	N	70
B241	47 45 38	113 0 45	1,134	3.00	5.00	15.00	.200	700	N	N	N	200
B242	47 45 47	113 0 36	1,134	2.00	.50	.07	.150	700	N	N	N	15
B238	47 45 48	113 1 36	1,135	2.00	.70	1.00	.100	700	N	N	N	10
B239	47 45 46	113 1 16	1,135	3.00	5.00	7.00	.150	1,500	N	N	N	30
B100	47 45 58	113 8 25	1,136	3.00	1.00	.10	.100	1,500	N	N	N	30
B99	47 45 42	113 8 18	1,136	5.00	1.00	.07	.100	300	N	N	N	30
B332	47 45 52	113 10 14	1,137	1.50	1.50	.15	.150	150	N	N	N	50
M593	47 45 5	113 14 56	1,138	3.00	5.00	20.00	.015	1,000	N	N	N	10
M577	47 45 34	113 18 25	1,139	.20	.03	<.05	.020	70	N	N	N	N
M583	47 45 46	113 19 16	1,140	.07	1.50	20.00	.010	30	N	N	N	N
M584	47 45 36	113 19 53	1,140	2.00	1.50	.15	.100	200	N	N	N	30
M585	47 45 36	113 20 4	1,141	3.00	1.00	.20	.150	300	N	N	N	30
M586	47 45 30	113 20 34	1,141	2.00	2.00	.50	.150	300	N	N	N	70
M587	47 45 17	113 20 59	1,141	.50	.15	.05	.050	50	N	N	N	30
M588	47 45 12	113 21 26	1,142	2.00	2.00	.15	.200	100	N	N	N	100
M589	47 45 11	113 21 46	1,142	.30	1.00	>20.00	.050	100	N	N	N	<10
B643	47 45 14	113 22 29	1,143	.05	.20	20.00	.010	150	N	N	N	N
M646	47 45 11	113 27 55	1,144	.30	.15	<.05	.030	30	N	N	N	15
M647	47 45 32	113 27 44	1,144	3.00	2.00	.70	.150	700	N	N	N	50
B547	47 45 54	113 36 59	1,145	7.00	2.00	2.00	.500	1,000	N	N	N	150
B548	47 45 42	113 36 40	1,145	5.00	2.00	<.05	.700	70	N	N	N	200
B546	47 45 37	113 37 37	1,146	5.00	2.00	1.50	.300	500	N	N	N	150
B545	47 45 55	113 38 4	1,147	7.00	5.00	3.00	.500	1,500	N	N	N	100

sample	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
M557	30	N	N	N	N	<10	10	20	N	N	<5	N
M558	200	<1.0	N	N	5	<10	7	N	N	N	15	N
M559	700	1.5	N	N	<5	30	10	20	N	N	5	10
M560	300	N	N	N	N	N	10	<20	N	N	<5	N
M561	N	N	N	N	N	N	5	N	N	N	N	20
M562	N	N	N	N	N	N	<5	20	N	N	N	<10
B636	20	N	N	N	N	<10	<5	20	N	N	N	10
M581	<20	N	N	N	N	N	<5	N	N	N	N	<10
M645	300	1.0	N	N	N	<10	7	20	N	N	5	N
B564	300	<1.0	N	N	5	30	20	30	N	N	10	10
M652	70	N	N	N	15	<10	10	30	N	N	10	70
M962	N	N	N	N	N	30	N	N	N	N	5	N
M964	150	1.0	N	N	<5	70	30	20	N	N	10	10
M965	N	N	N	N	N	10	N	<20	N	N	N	N
M83	N	N	N	N	N	N	N	N	N	N	N	N
M95	N	N	N	N	N	N	7	N	N	N	N	N
M96	1,500	1.5	N	N	15	100	70	30	N	<10	50	15
M97	1,000	1.5	N	N	5	70	30	20	N	<10	30	10
B124	200	1.0	N	N	10	20	30	50	N	<10	10	10
M126	700	1.5	N	N	15	50	50	30	N	<10	30	20
M127	300	2.0	N	N	10	100	30	30	<5	N	30	20
B248	150	<1.0	N	N	7	30	N	20	N	<10	15	<10
M124	1,000	1.5	N	N	7	50	70	30	N	<10	7	20
M125	500	1.5	N	N	<5	N	50	20	N	N	N	20
M122	700	1.5	N	N	10	N	100	30	N	N	N	20
M123	200	1.5	N	N	10	50	20	50	N	N	30	10
B240	5,000	<1.0	N	N	7	30	15	30	N	<10	10	<10
B241	700	1.5	N	N	10	30	100	30	15	<10	20	20
B242	200	1.0	N	N	10	20	N	50	N	N	15	10
B238	500	N	N	N	5	<10	<5	20	N	N	7	<10
B239	1,500	N	N	N	7	15	15	30	N	N	10	10
B100	500	1.0	N	N	10	30	30	30	N	N	15	N
B99	150	N	N	N	10	20	50	30	N	N	20	N
B332	300	2.0	N	N	N	N	10	50	N	10	10	10
M593	1,000	N	N	N	N	N	5	N	N	N	5	<10
M577	1,000	<1.0	N	N	N	<10	10	20	N	N	5	N
M583	N	N	N	N	N	N	5	N	N	N	N	<10
M584	300	2.0	N	N	7	20	30	20	N	N	15	15
M585	300	2.0	N	N	7	30	30	30	N	N	15	15
M586	500	2.0	N	N	10	30	20	50	N	N	20	10
M587	300	<1.0	N	N	N	<10	20	100	N	N	5	N
M588	300	3.0	N	N	20	70	20	N	N	N	30	20
M589	<20	N	N	N	N	15	<5	N	N	N	<5	<10
B643	N	N	N	N	N	N	<5	20	N	N	N	<10
M646	300	N	N	N	N	<10	10	N	N	N	5	N
M647	1,000	3.0	N	N	<5	20	10	30	N	N	15	N
B547	700	1.0	N	N	10	70	20	30	N	N	20	N
B548	300	1.0	N	N	10	150	20	30	N	N	20	N
B546	700	1.0	N	N	7	30	30	30	N	N	20	N
B545	500	2.0	N	N	10	70	30	50	N	N	15	N

Chateau rock--continued

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
M557	N	<5	N	N	15	N	N	N	50	N	.12
M558	N	5	N	N	30	N	20	N	100	N	.10
M559	N	5	10	100	50	N	30	N	150	N	.90
M560	N	N	N	N	<10	N	N	N	30	N	.28
M561	N	N	N	150	20	N	N	N	<10	N	.20
M562	N	N	N	200	20	N	N	N	N	N	.14
B636	N	N	N	200	30	N	N	N	10	N	.04
M581	N	N	N	300	50	N	N	N	10	N	.30
M645	N	<5	N	N	20	N	N	N	70	N	.02
B564	N	7	N	150	30	N	15	N	150	N	<.02
M652	N	N	N	N	30	N	20	N	50	N	.10
M962	N	N	N	300	<10	N	<10	N	N	N	<.02
M964	N	10	N	N	30	N	15	N	30	N	.10
M965	N	N	N	N	10	N	<10	N	N	N	.04
M83	N	N	N	200	N	N	N	N	N	N	.02
M95	N	N	N	<100	N	N	<10	N	N	N	N
M96	N	15	N	700	200	N	30	N	200	N	.02
M97	N	15	N	N	150	N	20	N	300	N	.04
B124	N	10	N	100	100	N	20	N	150	N	.02
M126	N	15	N	100	100	N	20	N	200	N	.06
M127	N	<15	N	N	150	N	20	N	300	N	.10
B248	N	10	N	<100	70	N	15	N	200	N	.06
M124	N	10	N	N	100	N	50	N	300	N	.08
M125	N	10	N	500	70	N	15	N	150	N	.02
M122	N	15	N	700	150	N	20	N	150	N	.04
M123	N	10	N	<100	20	N	20	N	150	N	.03
B240	N	<5	N	N	20	N	20	N	700	N	.03
B241	N	N	N	<150	100	N	20	N	200	N	.07
B242	N	7	N	<100	50	N	15	N	150	N	.04
B238	N	<5	N	N	20	N	15	N	150	N	.02
B239	N	<5	N	N	20	N	20	N	150	N	.06
B100	N	7	N	N	30	N	20	N	150	N	.02
B99	N	5	N	N	50	N	15	N	100	N	N
B332	N	5	N	N	70	N	70	N	150	N	.04
M593	N	N	N	200	50	N	30	N	N	N	.08
M577	N	<5	N	300	10	N	N	N	20	N	.24
M583	N	N	N	N	30	N	15	N	10	N	.22
M584	N	5	N	N	30	N	20	N	150	N	.10
M585	N	10	N	<100	70	N	20	N	150	N	.12
M586	N	7	N	<100	70	N	10	N	150	.10	.20
M587	N	10	N	N	20	N	30	N	100	N	.35
M588	N	N	N	N	70	N	<10	N	150	N	.28
M589	N	N	N	150	70	N	N	N	10	N	.18
B643	N	N	N	100	30	N	N	N	50	N	<.02
M646	N	N	N	N	20	N	N	N	150	N	.04
M647	N	10	N	N	70	N	30	N	500	.15	N
B547	N	10	N	N	70	N	30	N	150	N	<.02
B548	N	15	N	N	200	N	20	N	200	N	N
B546	N	10	N	N	50	N	15	N	300	N	<.02
B545	N	15	N	N	70	N	30	N	N	N	N

sample	latitude	longitude	MAP_NO.	S-FEX	S-MGX	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
M518	47 45 50	113 42 24	1,148	3.00	3.00	10.00	.300	300	N	N	N	50
EFB258	47 46 0	112 8 0	1,149	3.00	1.50	.50	.300	150	N	N	N	200
M963	47 46 59	112 42 46	1,150	.07	10.00	15.00	.005	20	N	N	N	N
M966	47 46 41	112 45 36	1,151	.30	.30	.10	.200	700	N	N	N	30
M85	47 46 27	112 46 39	1,152	<.05	7.00	15.00	.007	50	N	N	N	N
EFB269	47 46 0	112 48 0	1,153	1.50	1.00	.70	.300	150	N	N	N	150
M93	47 46 20	112 49 22	1,154	N	7.00	10.00	.002	50	N	N	N	N
M94	47 46 18	112 50 7	1,155	N	.50	20.00	.010	N	N	N	N	N
EFB270	47 46 0	112 52 0	1,156	5.00	2.00	5.00	.500	1,500	.5	N	N	50
M103	47 46 59	112 52 31	1,156	3.00	1.50	.70	.300	1,000	N	N	N	N
M104	47 46 36	112 53 9	1,157	1.00	.15	.10	.100	<10	N	N	N	15
EFB271	47 46 0	112 54 0	1,158	1.50	.70	.30	.300	100	N	N	N	150
M105	47 46 31	112 54 45	1,158	3.00	1.00	.70	.300	150	N	N	N	100
B125	47 46 5	112 55 31	1,159	2.00	1.00	2.00	.150	200	N	N	N	<10
B126B	47 46 11	112 55 28	1,159	2.00	1.50	15.00	.200	>5,000	N	N	N	<10
B127	47 46 20	112 55 27	1,159	10.00	1.00	.15	>1,000	700	N	N	N	N
B128	47 46 39	112 55 24	1,159	1.50	.70	2.00	.150	150	N	N	N	<10
B129	47 46 46	112 55 24	1,159	2.00	1.00	.70	.300	200	N	N	N	<10
B123	47 46 11	112 56 13	1,160	5.00	2.00	1.50	.500	500	N	N	N	<10
M128	47 46 2	112 56 50	1,160	2.00	.70	.70	.300	70	N	N	N	70
B250	47 46 13	112 57 48	1,161	5.00	.70	.30	.300	700	N	N	N	20
B244	47 46 14	112 59 52	1,162	3.00	.70	1.00	.300	700	N	N	N	50
B245	47 46 13	112 59 34	1,162	3.00	1.50	3.00	.300	700	N	N	N	30
B246	47 46 7	112 59 23	1,162	3.00	1.00	2.00	.300	300	N	N	N	30
B247	47 46 4	112 59 10	1,162	2.00	.50	.50	.300	300	N	N	N	20
B001	47 46 20	113 0 36	1,163	20.00	3.00	10.00	>1,000	1,500	100.0	N	N	20
B004	47 46 36	113 0 10	1,163	10.00	2.00	5.00	>1,000	3,000	N	N	N	15
B007	47 46 27	113 0 22	1,163	10.00	2.00	5.00	>1,000	1,500	N	N	N	15
B102	47 46 31	113 0 46	1,163	2.00	7.00	10.00	.020	1,500	N	N	N	15
B105	47 46 37	113 0 22	1,163	1.50	7.00	10.00	.020	1,500	N	N	N	50
B243	47 46 8	113 0 8	1,163	5.00	.70	.15	.500	300	N	N	N	50
B103	47 46 20	113 1 13	1,164	3.00	3.00	5.00	.100	2,000	.5	N	N	150
B104	47 46 14	113 1 28	1,164	1.50	.50	.30	.150	1,000	N	N	N	50
B337	47 46 39	113 3 51	1,165	.30	.50	20.00	.015	200	N	N	N	N
M287	47 46 27	113 4 16	1,166	.20	7.00	15.00	.010	150	N	N	N	N
B333	47 46 22	113 11 19	1,167	2.00	1.00	.30	.200	300	N	N	N	30
B301	47 46 23	113 12 17	1,168	N	.50	20.00	.010	70	N	N	N	N
B302	47 46 30	113 12 49	1,168	N	7.00	15.00	.010	20	N	N	N	N
M571	47 46 16	113 15 38	1,169	.15	.02	<.05	.070	300	N	N	N	N
M572	47 46 20	113 15 56	1,169	1.00	.70	.10	.070	200	N	N	N	50
M573	47 46 23	113 16 11	1,170	2.00	.50	.20	.050	300	N	N	N	70
M574	47 46 23	113 16 40	1,170	.30	.07	<.05	.020	10	N	N	N	N
M575	47 46 16	113 17 10	1,171	2.00	.70	.10	.200	150	N	N	N	50
M564	47 46 51	113 18 20	1,172	2.00	1.50	.20	.200	150	N	N	N	70
M563	47 46 41	113 19 46	1,173	N	1.50	>20.00	.010	20	N	N	N	N
M578	47 46 28	113 21 50	1,174	.15	.30	20.00	.020	200	N	N	N	N
M582	47 46 56	113 26 47	1,175	.15	1.00	20.00	.015	70	N	N	N	N
M649	47 46 36	113 26 57	1,175	2.00	1.50	1.50	.150	1,500	N	N	N	50
M648	47 46 0	113 27 23	1,176	1.50	1.50	.10	.200	150	N	N	N	50
B557	47 46 9	113 34 54	1,177	3.00	5.00	5.00	.500	700	N	N	N	50

Choteau rock--continued

sample	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
M518	1,000	2.0	N	N	<5	50	30	50	N	N	20	30
EFB258	700	5.0	N	N	7	100	20	--	<5	N	50	20
M963	<20	N	N	N	N	15	N	30	N	N	<5	N
M966	150	<1.0	N	N	N	20	7	30	N	N	<5	<10
M85	N	N	N	N	N	N	<5	N	N	N	N	N
EFB269	700	5.0	N	N	10	150	50	--	N	N	50	50
M93	N	N	N	N	N	N	N	N	N	N	N	N
M94	N	N	N	N	N	N	N	N	N	N	N	N
EFB270	500	5.0	N	N	15	100	50	--	N	N	50	30
M103	3,000	<1.0	N	N	10	30	150	30	N	N	15	30
M104	200	<1.0	N	N	7	70	20	--	N	N	30	N
EFB271	1,000	5.0	N	N	15	100	30	30	N	N	20	20
M105	700	1.5	N	N	5	15	30	30	N	N	50	15
B125	150	1.0	N	N	10	20	30	30	N	N	15	15
B126B	700	<1.0	N	N	20	30	30	50	N	N	20	50
B127	150	N	N	N	<5	15	20	20	N	N	10	N
B128	200	1.0	N	N	5	10	10	30	N	N	5	<10
B129	150	N	N	N	10	20	30	50	N	N	10	N
B123	200	1.5	N	N	10	100	30	20	N	N	20	<10
M128	500	1.5	N	N	15	50	15	20	7	N	30	10
B250	1,000	1.0	N	N	15	70	70	30	N	N	15	20
B244	1,500	1.5	N	N	10	50	10	20	N	N	30	10
B245	300	1.0	N	N	7	50	5	30	N	N	30	10
B246	500	1.0	N	N	15	50	10	20	N	N	10	10
B247	200	1.0	N	N	300	70	>20,000	20	5	N	30	10
8001	100	N	N	100	100	100	700	N	70	<10	500	15,000
8004	300	N	N	N	70	200	300	50	N	10	70	50
8007	700	N	N	N	N	N	30	N	N	10	70	100
B102	N	N	N	N	N	N	15	N	N	N	N	15
B105	50	N	N	N	15	150	30	50	N	N	50	30
B243	500	2.0	N	N	15	10	70	<20	N	N	15	50
0103	150	N	N	N	10	30	15	30	N	N	15	10
B104	1,500	N	N	N	10	N	5	N	N	N	N	10
B337	N	N	N	N	N	N	20	N	N	N	N	<10
M287	20	<1.0	N	N	5	N	20	N	N	10	10	N
B333	300	2.0	N	N	N	N	<5	N	N	N	N	N
B301	N	N	N	N	N	N	<5	N	N	N	N	N
B302	N	N	N	N	N	N	15	N	N	N	<5	N
M571	N	N	N	N	N	N	15	N	N	N	5	<10
M572	>5,000	<1.0	N	N	5	<10	15	20	N	N	5	<10
M573	300	3.0	N	N	N	10	20	20	N	N	5	<10
M574	300	N	N	N	N	<10	15	<20	N	N	5	10
M575	500	1.0	N	N	5	30	5	20	N	N	15	10
M564	500	1.0	N	N	7	50	20	50	N	N	20	10
M563	N	N	N	N	N	10	7	20	N	N	N	<10
M578	N	N	N	N	N	15	5	N	N	N	7	10
M582	<20	N	N	N	N	N	5	N	N	N	N	15
M649	500	1.0	N	N	N	30	15	50	N	N	7	N
M648	200	1.5	N	N	<5	20	30	50	N	N	7	10
B557	300	1.0	N	N	7	50	30	50	N	N	20	30

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
M518	N	15	N	N	70	N	70	N	500	N	.04
EFB258	N	10	N	100	200	N	20	N	100	--	.06
M963	N	N	N	N	<10	N	<10	N	N	N	<.02
M966	N	7	N	N	70	N	15	N	>1,000	N	.04
M85	N	N	N	<100	N	N	N	N	N	N	N
EFB269	N	7	N	100	100	N	20	N	150	--	<.02
M93	N	N	N	<100	N	N	N	N	N	N	.04
M94	N	N	N	700	N	N	N	N	N	N	N
EFB270	N	15	N	200	150	N	30	N	150	--	N
M103	N	10	N	300	150	N	15	N	150	N	.03
M104	N	N	N	N	50	N	10	N	500	N	.02
EFB271	N	7	N	100	150	N	20	N	100	--	.02
M105	N	15	N	<100	200	N	20	N	200	N	.18
B125	N	5	N	150	70	N	10	N	70	N	.02
B126B	N	<7	N	200	70	N	20	N	150	N	.06
B127	N	30	N	N	300	N	70	N	300	N	.06
B128	N	<5	N	150	50	N	10	N	70	N	N
B129	N	7	N	<100	100	N	30	N	200	N	.03
B123	N	10	N	150	150	N	20	N	300	N	.08
M128	N	15	N	100	150	N	20	N	150	N	.10
B250	N	15	N	100	100	N	15	N	150	N	.06
B244	N	10	N	N	150	N	30	N	500	N	.06
B245	N	10	N	<100	70	N	20	N	200	N	.04
B246	N	10	N	100	70	N	20	N	150	N	.02
B247	N	10	N	<100	100	N	20	N	150	N	.08
B001	N	50	N	150	500	N	70	N	150	N	--
B004	N	30	N	150	700	N	70	N	300	--	--
B007	N	50	N	150	300	N	150	N	300	--	--
B102	N	N	N	N	<10	N	10	N	15	N	.04
B105	N	N	N	N	10	N	15	N	20	N	.03
B243	N	20	N	N	150	N	20	N	150	N	.06
B103	N	5	N	N	30	N	30	N	150	N	.55
B104	N	5	N	<100	50	N	20	N	200	N	.05
B337	N	N	N	300	50	N	N	N	N	N	.04
M287	N	N	N	100	20	N	N	N	N	N	.02
B333	N	5	N	N	30	N	20	N	300	N	.06
B301	N	N	N	300	20	N	N	N	N	N	.09
B302	N	N	N	200	20	N	N	N	N	N	.10
M571	N	N	N	N	10	N	N	N	50	N	.30
M572	N	5	N	N	30	N	N	N	70	N	.22
M573	N	5	N	N	70	N	30	N	100	N	.16
M574	N	N	N	N	10	N	N	N	50	N	.12
M575	N	7	N	N	70	N	20	N	150	N	.20
M564	N	7	N	N	70	N	30	N	200	N	.04
M563	N	N	N	300	30	N	10	N	N	N	.12
M578	N	N	N	150	70	N	15	N	10	N	.04
M582	N	N	N	500	70	N	N	N	20	N	.40
M649	N	7	N	N	30	N	30	N	150	N	.04
M648	N	5	N	N	30	N	30	N	200	N	.02
B557	N	10	N	N	50	N	20	N	200	N	<.02

Chateau rock--continued

sample	Latitude	Longitude	MAP_NO.	S-FEX	S-MGX	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
B555	47 46 24	113 35 40	1-178	3.00	2.00	15.00	.150	700	N	N	N	20
B556	47 46 4	113 35 16	1-178	2.00	5.00	5.00	.300	700	N	N	N	50
B550	47 46 41	113 36 54	1-179	.30	.30	7.00	.050	3,000	N	N	N	10
B551	47 46 28	113 36 43	1-179	3.00	1.00	.20	.300	700	N	N	N	100
B552	47 46 16	113 36 29	1-179	2.00	1.00	10.00	.150	1,500	.5	N	N	20
B553	47 46 11	113 36 15	1-179	2.00	.70	<.05	.200	70	.7	N	N	50
B554	47 46 6	113 36 2	1-179	1.50	2.00	20.00	.100	500	N	N	N	10
B549	47 46 49	113 37 10	1-180	1.50	.70	5.00	.200	2,000	N	N	N	70
B563	47 46 38	113 38 52	1-181	3.00	2.00	1.50	.200	500	N	N	N	30
M516	47 46 33	113 41 10	1-182	2.00	7.00	20.00	.150	500	N	N	N	30
M517	47 46 9	113 41 46	1-182	3.00	3.00	>20.00	.100	1,000	<.5	N	N	30
M515	47 46 42	113 42 7	1-183	2.00	3.00	20.00	.200	500	N	N	N	30
M514	47 46 24	113 43 33	1-184	7.00	3.00	3.00	.700	500	.7	N	N	70
M961	47 47 23	112 41 49	1-185	.07	10.00	15.00	.007	50	N	N	N	N
B849	47 47 47	112 45 48	1-186	5.00	1.00	.50	.300	1,500	N	N	N	20
B850	47 47 15	112 45 49	1-186	5.00	.70	.50	.300	700	N	N	N	20
B848	47 47 55	112 46 13	1-187	.30	7.00	7.00	.003	50	N	N	N	N
M84	47 47 28	112 46 17	1-187	<.05	7.00	15.00	.003	20	N	N	N	N
M101	47 47 15	112 52 1	1-188	3.00	.50	5.00	.150	700	N	N	N	15
M102	47 47 10	112 52 11	1-188	2.00	1.00	20.00	.150	1,500	N	N	N	<10
EFB285	47 47 0	112 54 0	1-189	3.00	1.00	2.00	.500	200	N	N	N	150
M109	47 47 25	112 55 21	1-190	2.00	.70	1.00	.200	100	N	N	N	50
M110	47 47 12	112 55 26	1-190	5.00	1.00	1.50	.500	200	N	N	N	N
B158	47 47 2	112 57 44	1-191	1.50	.30	.05	.150	30	N	N	N	30
B157	47 47 38	112 59 5	1-192	5.00	.70	.70	1.000	700	N	N	N	15
B152	47 47 25	113 1 45	1-193	1.50	2.00	3.00	.100	1,000	N	N	N	50
B153	47 47 38	113 1 27	1-193	3.00	3.00	3.00	.200	500	N	N	N	70
B154	47 47 37	113 1 21	1-193	3.00	.70	1.00	.300	500	N	N	N	70
B155	47 47 44	113 1 23	1-193	1.50	3.00	15.00	.200	1,000	N	N	N	200
B156	47 47 44	113 1 6	1-193	5.00	.70	1.00	.300	1,500	N	N	N	<10
B150	47 47 9	113 2 42	1-194	.70	1.50	<20.00	.300	100	N	N	N	N
B151	47 47 13	113 2 7	1-194	1.00	.50	.10	.200	100	N	N	N	50
B101	47 47 15	113 3 39	1-195	.30	1.00	20.00	.007	300	N	N	N	N
B149	47 47 57	113 3 22	1-195	2.00	1.00	10.00	.150	200	N	N	N	10
M288	47 47 31	113 3 50	1-195	3.00	1.50	20.00	.015	700	N	N	N	N
M275	47 47 56	113 6 41	1-196	5.00	7.00	20.00	.070	70	N	N	N	20
M268	47 47 38	113 9 15	1-197	2.00	1.50	10.00	.200	3,000	N	N	N	50
M269	47 47 55	113 9 18	1-197	1.50	1.00	15.00	.030	3,000	N	N	N	10
M277	47 47 3	113 9 12	1-197	3.00	2.00	10.00	.300	3,000	N	N	N	70
M590	47 47 15	113 14 21	1-198	.20	10.00	20.00	.015	70	N	N	N	20
M603	47 47 10	113 17 9	1-199	2.00	1.50	1.50	.300	1,500	N	N	N	100
B602	47 47 55	113 22 21	1-200	5.00	2.00	.15	.150	200	N	N	N	50
B603	47 47 49	113 22 34	1-200	3.00	1.00	.15	.300	100	N	N	N	50
B604	47 47 45	113 22 44	1-200	2.00	1.50	3.00	.300	300	N	N	N	50
B605	47 47 10	113 24 10	1-201	.20	>10.00	15.00	.015	70	N	N	N	<10
B642	47 47 18	113 30 42	1-202	.50	.20	.07	.070	300	.7	N	N	50
B638	47 47 7	113 32 32	1-203	1.00	3.00	3.00	.070	700	N	N	N	70
B640	47 47 56	113 33 57	1-204	1.50	1.50	.70	.100	500	N	N	N	100
B639	47 47 13	113 34 4	1-205	1.50	2.00	2.00	.150	700	N	N	N	100
M670	47 47 47	113 40 36	1-206	2.00	3.00	15.00	.100	500	N	N	N	50

sample	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
B555	>5,000	<1.0	N	N	N	20	30	N	N	N	<5	N
B556	300	1.0	N	N	7	50	10	30	N	N	15	50
B550	3,000	1.0	N	N	N	N	70	20	N	N	5	N
B551	1,500	1.5	N	N	15	30	10	20	N	N	20	20
B552	150	1.0	N	N	N	20	15	20	5	N	10	500
B553	300	2.0	N	N	N	30	30	30	20	N	7	200
B554	200	1.0	N	N	N	20	15	20	N	N	10	300
B549	200	1.0	N	N	5	20	10	20	N	N	10	N
B563	500	1.0	N	N	10	30	100	20	N	N	15	70
M516	300	<1.0	N	N	N	30	70	50	N	N	10	10
M517	500	<1.0	N	N	70	30	20	50	N	N	50	150
M515	300	<1.0	N	N	7	30	15	50	20	N	20	30
M514	2,000	3.0	20	N	15	50	3,000	30	70	N	30	200
M961	N	N	N	N	N	30	<5	N	N	N	10	N
B849	700	1.0	N	N	7	30	20	20	N	N	15	70
B850	1,000	N	N	N	<5	30	10	70	N	N	30	10
B848	<20	N	N	N	N	15	N	N	N	N	<5	20
M84	N	N	N	N	N	N	N	N	N	N	N	<10
M101	500	1.5	N	N	<5	30	20	N	N	N	10	N
M102	1,500	N	N	N	10	20	70	<20	<5	N	15	15
EF8285	700	5.0	N	N	10	100	20	--	N	N	50	20
M109	300	2.0	N	N	<5	50	30	20	N	N	30	<10
M110	300	2.0	N	N	15	20	30	100	N	N	15	20
B158	200	1.5	N	N	N	50	30	20	N	N	15	<10
B157	1,000	1.5	N	N	15	70	30	30	N	<10	15	15
B152	150	<1.0	N	N	5	15	20	30	N	N	N	10
B153	300	1.0	N	N	10	30	7	30	N	N	15	15
B154	500	2.0	N	N	20	30	500	30	N	N	15	15
B155	1,000	<1.0	N	N	7	15	70	<20	N	N	15	200
B156	1,000	<1.0	N	N	30	100	70	20	N	<10	70	15
B150	50	N	N	N	N	<10	10	50	N	N	<5	N
B151	1,000	1.0	N	N	<5	30	20	20	N	N	7	10
B101	N	N	N	N	N	N	15	N	N	N	N	N
B149	300	N	N	N	7	70	30	20	N	N	15	15
M288	70	<1.0	N	N	5	N	10	N	N	N	10	10
M275	50	2.0	N	N	N	N	10	N	N	N	5	10
M268	300	1.0	N	N	5	20	5	70	N	N	5	10
M269	1,500	N	N	N	10	N	200	50	N	N	5	10
M277	>5,000	2.0	N	N	N	50	70	50	N	N	20	70
M590	N	N	N	N	N	<10	10	20	N	N	N	<10
M603	700	1.5	N	N	5	70	15	30	N	N	15	10
B602	300	2.0	N	N	30	30	200	30	N	N	30	20
B603	500	2.0	N	N	5	50	30	50	5	N	10	15
B604	700	1.0	N	N	5	30	20	50	N	N	10	10
B605	N	N	N	N	N	<10	20	N	N	N	N	N
B642	300	<1.0	N	N	N	10	10	20	N	N	5	N
B638	700	1.0	N	N	7	20	300	N	N	N	15	10
B640	700	1.5	N	N	5	15	20	<20	N	N	15	10
B639	700	2.0	N	N	5	30	15	30	N	N	15	15
M670	300	1.0	N	N	N	30	10	20	N	N	7	15

Choteau rock--continued

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
B555	N	<5	N	<1,000	30	N	15	N	70	N	N
B556	N	10	N	100	70	N	20	N	70	N	.02
B550	N	5	N	100	20	N	15	N	70	N	.04
B551	N	15	N	100	70	N	20	N	150	N	<.02
B552	N	7	N	100	30	N	15	N	100	N	.08
B553	N	10	N	300	70	N	15	N	150	N	.10
B554	N	5	N	300	50	N	15	N	50	N	N
B549	N	10	N	30	30	N	15	N	100	N	<.02
B563	N	7	N	200	70	N	20	N	100	N	.02
M516	N	10	N	200	70	N	50	N	70	N	.08
M517	N	7	N		70	N	70	N	150	N	.08
M515	N	10	N	N	70	N	50	N	150	N	.06
M514	N	N	N	N	150	N	70	N	500	N	1.40
M961	N	N	N	N	10	N	<10	N	N	N	<.02
B849	N	10	N	300	100	N	10	N	70	N	.08
B850	N	10	N	<100	100	N	<10	N	200	N	.12
B848	N	N	N	N	<10	N	N	N	N	N	.06
M84	N	N	N	<100	N	N	N	N	N	N	.09
M101	N	5	N	<100	150	N	15	N	200	N	.13
M102	N	N	N	700	70	N	N	N	N	N	.04
EFB285	N	10	N	200	150	N	20	N	150	-	.02
M109	N	10	N	<100	100	N	15	N	150	N	.04
M110	N	15	N	N	150	N	30	N	300	N	.14
B158	N	5	N	200	70	N	15	N	300	N	.03
B157	N	15	N	N	100	N	20	N	500	N	.06
B152	N	<5	N	N	30	N	15	N	300	N	.04
B153	N	10	N	N	30	N	20	N	70	N	.06
B154	N	15	N	N	50	N	20	N	300	N	.06
B155	N	<7	N	N	50	N	30	N	300	N	.02
B156	N	15	N	700	150	N	20	N	100	N	.16
B150	N	<5	N	N	<10	N	N	N	300	N	.06
B151	N	7	N	N	30	N	20	N	300	N	.06
B101	N	N	N	200	N	N	N	N	N	N	.02
B149	N	7	N	300	30	N	10	N	100	N	.02
M288	N	N	N	200	30	N	10	N	N	N	.02
M275	N	N	N	500	30	N	N	N	20	N	.06
M268	N	5	N	100	50	N	70	N	200	N	.03
M269	N	N	N	100	30	N	70	N	30	N	.03
M277	N	10	N	5,000	50	N	50	N	N	N	.02
M590	N	N	N	100	30	N	20	N	<10	N	.20
M603	N	10	N	N	70	N	50	N	300	N	.04
B602	N	10	N	N	70	N	50	N	150	N	.04
B603	N	10	N	N	70	N	30	N	200	N	<.02
B604	N	7	N	<100	50	N	30	N	200	N	.02
B605	N	<5	N	<100	50	N	N	N	10	N	.02
B642	N	<5	N	N	15	N	15	N	150	N	.12
B638	N	7	N	N	50	N	15	N	100	N	.10
B640	N	5	N	N	70	N	20	N	100	N	.08
B639	N	7	N	N	70	N	30	N	150	N	.12
M670	N	5	N	100	50	N	20	N	70	.10	.04

sample	latitude	longitude	MAP_NO.	S-FEX	S-MGX	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
M1028	47 47 2	113 42 38	1,207	2.00	.50	.15	.200	100	N	N	N	30
M960	47 48 12	112 42 22	1,208	.20	.20	<.05	.200	50	N	N	N	20
M957	47 48 58	112 43 19	1,209	7.00	2.00	<20.00	.500	1,000	N	N	N	200
EF8320	47 48 0	112 45 0	1,210	3.00	1.00	1.00	.500	300	N	N	N	200
B844	47 48 13	112 45 31	1,210	1.00	.50	5.00	.100	500	N	N	N	50
B845	47 48 13	112 45 45	1,210	2.00	1.50	20.00	.100	>5,000	N	N	N	N
B846	47 48 5	112 45 51	1,210	1.50	.50	5.00	.150	1,000	N	N	N	20
M87	47 48 14	112 47 13	1,211	<.05	.50	20.00	.010	N	N	N	N	N
M88	47 48 16	112 47 53	1,211	N	.50	20.00	.007	N	N	N	N	N
M86	47 48 39	112 48 24	1,212	15.00	7.00	15.00	.300	150	N	N	N	<10
M89	47 48 17	112 48 51	1,212	10.00	7.00	15.00	.100	500	N	N	N	15
M90	47 48 9	112 49 0	1,213	2.00	1.00	15.00	.150	500	N	N	N	30
M91	47 48 10	112 49 37	1,213	1.50	5.00	20.00	.150	100	N	N	N	30
M92	47 48 6	112 49 45	1,213	<.05	7.00	20.00	.010	N	N	N	N	N
B121	47 48 42	112 53 10	1,214	3.00	2.00	7.00	.200	1,500	N	N	N	10
B122	47 48 33	112 53 14	1,214	3.00	.70	.50	.500	300	N	N	N	N
M267	47 48 50	112 54 52	1,215	5.00	3.00	5.00	.500	700	N	N	N	70
EF8284	47 48 0	112 55 0	1,216	3.00	1.50	2.00	.500	200	N	N	N	100
M108	47 48 0	112 55 50	1,216	3.00	1.50	.70	.500	200	N	N	N	100
M106	47 48 38	112 56 10	1,217	1.50	.70	.50	.150	150	N	N	N	<10
M107	47 48 22	112 56 0	1,217	15.00	1.50	2.00	>1.000	1,000	N	N	N	N
B336	47 48 47	113 3 51	1,218	.10	10.00	15.00	.005	50	N	N	N	N
M273	47 48 12	113 7 49	1,219	.20	.10	<.05	.050	20	N	N	N	10
M274	47 48 16	113 7 22	1,219	2.00	1.50	<.05	.070	150	N	N	N	30
M271	47 48 9	113 8 39	1,220	3.00	1.50	1.00	.200	700	N	N	N	10
M272	47 48 11	113 8 19	1,220	2.00	1.50	.30	.200	500	N	N	N	70
M278	47 48 31	113 8 49	1,220	1.50	1.50	.10	.300	200	N	N	N	70
M279	47 48 50	113 8 21	1,220	1.00	1.00	.10	.300	300	N	N	N	50
M270	47 48 8	113 9 2	1,221	3.00	2.00	1.50	.150	700	N	N	N	150
B334	47 48 29	113 10 43	1,222	.70	.70	.10	.020	50	N	N	N	15
M600	47 48 32	113 16 50	1,223	3.00	3.00	5.00	.200	2,000	N	N	N	100
M565	47 48 57	113 18 51	1,224	2.00	1.50	.70	.200	500	N	N	N	100
B597	47 48 31	113 19 34	1,225	3.00	3.00	15.00	.150	700	N	N	N	50
B600	47 48 44	113 19 33	1,225	2.00	7.00	20.00	.100	5,000	N	N	N	20
B601	47 48 24	113 21 51	1,226	.30	>10.00	20.00	.015	100	N	N	N	50
B566	47 48 28	113 29 7	1,227	15.00	3.00	7.00	>1.000	1,000	N	N	N	10
B567	47 48 26	113 29 52	1,227	3.00	2.00	.70	.300	300	N	N	N	100
B641	47 48 54	113 33 49	1,228	1.50	1.50	.50	.150	300	N	N	N	100
M669	47 48 44	113 39 58	1,229	3.00	7.00	10.00	.150	700	N	N	N	70
M671	47 48 3	113 42 50	1,230	1.50	2.00	20.00	.020	700	.5	N	N	50
EF8281	47 49 0	112 5 0	1,231	2.00	1.00	1.50	.500	150	.5	N	N	200
EF8330	47 49 0	112 10 0	1,232	3.00	.70	.30	.300	150	.5	N	N	200
EF8340	47 49 0	112 37 0	1,233	1.50	.30	.05	.500	15	N	N	N	200
M958	47 49 46	112 41 48	1,234	.50	2.00	20.00	.030	200	N	N	N	N
M959	47 49 4	112 41 39	1,234	5.00	1.00	1.00	.300	700	N	N	N	15
M98	47 49 43	112 48 51	1,235	N	10.00	20.00	.200	500	N	N	N	<10
B146	47 49 57	112 53 14	1,236	3.00	.50	.70	.300	500	N	N	N	<10
B147	47 49 56	112 53 28	1,236	.70	.20	20.00	.010	700	N	N	N	N
B148	47 49 42	112 53 37	1,236	3.00	.70	2.00	.200	700	N	N	N	70
M111	47 49 41	112 55 5	1,237	3.00	.70	.70	.300	100	N	N	N	100

Choteau rock--continued

sample	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
M102B	500	1.0	N	N	7	50	20	<20	N	N	15	10
M960	200	<1.0	N	N	N	30	5	30	N	N	<5	<10
M957	1,500	1.5	N	N	7	50	30	<20	N	N	20	<10
EFB320	500	5.0	N	N	15	150	20	--	N	N	70	30
B844	100	N	N	N	N	20	<5	N	N	N	7	N
B845	1,000	N	N	N	<5	30	15	30	N	N	15	10
B846	150	<1.0	N	N	<5	20	7	<20	N	N	15	10
M87	N	N	N	N	N	N	5	N	N	N	N	N
M88	N	N	N	N	N	N	5	N	N	N	N	N
M86	1,500	2.0	N	N	N	200	30	N	N	N	N	N
M89	200	5.0	N	N	<5	100	50	N	15	N	70	<10
M90	100	1.5	N	N	<5	70	20	<20	N	N	10	<10
M91	70	<1.0	N	N	7	30	20	<20	N	N	30	N
M92	N	N	N	N	N	N	N	N	N	N	N	N
B121	700	<1.0	N	N	10	50	30	30	N	N	15	<10
B122	700	1.5	N	N	<5	20	100	30	7	N	20	20
M267	500	2.0	N	N	N	50	30	N	N	10	20	20
EFB284	1,000	5.0	N	N	10	70	20	--	<5	N	50	20
M108	150	<1.0	N	N	7	15	30	30	N	<10	7	<10
M106	300	<1.0	N	N	N	10	15	20	N	N	7	<10
M107	500	<1.0	N	N	30	70	50	200	N	30	15	<10
B336	N	N	N	N	N	N	20	N	N	N	N	30
M273	500	N	N	N	N	N	30	N	N	N	5	N
M274	500	N	N	N	10	N	70	N	N	N	20	30
M271	>5,000	2.0	N	N	5	20	50	50	N	N	10	10
M272	1,500	2.0	N	N	10	20	300	N	N	N	20	10
M278	1,500	2.0	N	N	N	50	30	50	N	N	10	10
M279	1,500	2.0	N	N	N	20	30	50	N	N	10	10
M270	500	5.0	N	N	5	N	700	50	N	N	15	20
B334	700	1.0	N	N	5	N	30	N	N	N	5	N
M600	700	2.0	N	N	5	50	30	50	N	N	20	10
M565	500	1.0	N	N	10	50	15	50	N	N	30	15
B597	1,000	1.0	N	N	7	30	10	70	N	N	20	15
B600	200	1.0	N	N	7	30	10	30	N	N	20	30
B601	N	N	N	N	50	N	15	N	N	N	N	10
B566	300	N	N	N	N	N	500	20	N	N	70	10
B567	1,000	2.0	N	N	7	70	15	70	N	N	20	10
B641	500	1.0	N	N	7	30	15	20	N	N	15	10
M669	1,000	2.0	N	N	7	30	7	30	N	N	15	20
M671	30	N	N	N	N	N	10	30	N	N	5	200
EFB281	1,000	5.0	N	N	10	100	20	--	N	N	50	30
EFB330	700	5.0	N	N	10	100	50	--	5	N	70	30
EFB340	700	5.0	N	N	<5	100	15	--	N	N	7	20
M958	200	N	N	N	N	15	5	N	N	N	<5	N
M959	700	<1.0	N	N	10	30	15	20	N	N	20	<10
M98	300	5.0	N	N	20	300	30	150	N	N	50	30
B146	1,500	N	N	N	7	30	30	20	N	N	15	N
B147	70	N	N	N	N	N	N	N	N	N	N	N
B148	200	1.0	N	N	5	50	50	30	N	<10	20	10
M111	700	1.5	N	N	15	150	30	50	N	<10	70	15

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
M102B	N	10	N	<100	70	N	15	N	200	N	.03
M260	N	5	N	N	150	N	10	N	500	N	.04
M957	N	N	N	<300	70	N	15	N	200	N	.08
EFB320	N	15	N	100	100	N	20	N	100	--	<.02
B844	N	<5	N	100	50	N	10	N	70	N	.04
B845	N	5	N	500	30	N	20	N	30	N	.10
B846	N	<5	N	100	50	N	10	N	50	N	.06
M87	N	N	N	1,000	N	N	N	N	N	N	.02
M88	N	N	N	700	N	N	N	N	N	N	.02
M86	N	N	N	<100	150	N	20	N	N	N	.13
M89	N	<5	N	N	150	N	100	<200	N	N	.35
M90	N	5	N	<150	70	N	20	N	300	N	.06
M91	N	<5	N	200	30	N	N	N	N	N	.14
M92	N	N	N	N	N	N	N	N	N	N	<.02
B121	N	10	N	300	70	N	20	N	200	N	.06
B122	N	<15	N	N	150	N	15	N	150	N	.06
M267	N	10	N	300	150	N	20	N	100	N	.08
EFB284	N	10	N	200	150	N	20	N	150	--	.04
M108	N	10	N	<100	100	N	15	N	100	N	.02
M106	N	<5	N	N	50	N	10	N	70	N	.03
M107	N	30	N	N	500	N	50	N	1,000	N	.08
B336	N	N	N	N	50	N	N	N	N	N	.04
M273	N	N	N	N	10	N	N	N	70	N	.04
M274	N	N	N	N	20	N	10	N	70	N	.05
M271	N	5	N	200	50	N	30	N	300	N	.06
M272	N	5	N	N	30	N	30	N	200	N	.06
M278	N	5	N	100	50	N	30	N	1,000	N	N
M279	N	5	N	100	30	N	20	N	500	N	.02
M270	N	10	N	N	70	N	30	N	150	N	.02
B334	N	N	N	N	15	N	10	N	100	N	.05
M600	N	10	N	N	70	N	50	N	150	N	.06
M565	N	10	N	N	70	N	30	N	150	N	.12
B597	N	15	N	200	70	N	50	N	100	N	.04
B600	N	10	N	200	70	N	30	N	70	N	.06
B601	N	N	N	N	50	N	N	N	100	N	<.02
B566	N	50	N	150	1,000	N	50	N	150	N	.02
B567	N	10	N	N	70	N	30	N	150	N	<.02
B641	N	5	N	N	50	N	30	N	150	N	.08
M669	N	7	N	N	70	N	20	N	70	N	.04
M671	N	5	N	700	30	N	100	N	20	N	.08
EFB281	N	10	N	150	200	N	20	N	150	--	.06
EFB330	N	10	N	150	300	N	20	N	150	--	.06
EFB340	N	10	N	100	200	N	15	N	100	--	.12
M958	N	<5	N	150	<10	N	<10	N	20	N	.04
M959	N	10	N	500	100	N	10	N	100	N	.10
M98	N	10	N	<150	300	N	100	300	<200	N	.12
B146	N	N	N	700	100	N	10	N	70	N	.10
B147	N	N	N	300	N	N	N	N	N	N	.02
B148	N	10	N	<100	100	N	30	N	300	N	.10
M111	N	15	N	100	200	N	20	N	200	N	.08

sample	latitude	longitude	MAP_NO.	S-FE2	S-MU2	12	112	1-MW	S-AG	S-AS	S-AU	S-B
M142	47 49 48	112 55 59	1-237	1.50	.70	.50	.100	200	N	N	N	N
M143	47 49 36	112 55 52	1-237	1.50	.50	2.00	.100	700	N	N	N	N
B166	47 49 37	112 57 47	1-238	3.00	.70	.70	.300	150	N	N	N	150
B164	47 49 21	112 58 42	1-239	1.50	.50	10.00	.150	5,000	N	N	N	10
B165	47 49 24	112 58 25	1-239	3.00	.70	.50	.300	300	N	N	N	15
B162	47 49 15	112 59 42	1-240	2.00	.30	.50	.200	500	N	N	N	15
B163	47 49 16	112 59 28	1-240	1.50	.30	1.00	.200	700	N	N	N	20
B159	47 49 43	113 0 42	1-241	10.00	7.00	15.00	1.000	1,500	N	N	N	30
B160	47 49 16	113 0 29	1-241	N	3.00	15.00	.003	N	N	N	N	N
B161	47 49 19	113 0 8	1-241	3.00	1.00	.70	.300	1,000	N	N	N	15
M291	47 49 41	113 5 10	1-242	.20	.70	20.00	.020	30	N	N	N	N
M280	47 49 1	113 8 6	1-243	2.00	1.50	2.00	.200	1,500	N	N	N	150
M281	47 49 16	113 8 6	1-243	3.00	1.50	2.00	.100	1,500	N	N	N	150
M282	47 49 52	113 8 30	1-243	1.50	2.00	.20	.500	200	N	N	N	150
B335	47 49 17	113 10 22	1-244	.70	.20	.05	.070	70	N	N	N	10
B323	47 49 54	113 12 26	1-245	2.00	1.00	.15	.200	150	N	N	N	50
M598	47 49 28	113 16 45	1-246	2.00	1.50	.30	.200	150	N	N	N	50
M599	47 49 1	113 17 14	1-247	.50	.15	.20	.020	50	N	N	N	30
M604	47 49 40	113 19 20	1-248	1.50	.70	.15	.070	100	N	N	N	30
M605	47 49 42	113 19 45	1-248	2.00	.70	7.00	.070	500	N	N	N	50
M602	47 49 19	113 20 25	1-249	N	.30	20.00	.020	50	N	N	N	N
B569	47 49 49	113 33 9	1-250	1.50	1.50	15.00	.150	500	N	N	N	30
M667	47 49 43	113 37 40	1-251	3.00	1.00	1.00	.300	1,000	N	N	N	150
M668	47 49 42	113 40 3	1-252	5.00	7.00	10.00	.150	1,000	N	N	N	70
M672	47 49 26	113 42 27	1-253	3.00	3.00	.15	.300	200	N	N	N	200
EF8331	47 50 0	112 12 0	1-254	3.00	1.00	.70	.500	150	N	N	N	200
EF8339	47 50 0	112 32 0	1-255	2.00	2.00	3.00	.300	300	N	N	N	70
EF8342	47 50 0	112 37 0	1-256	2.00	1.00	.50	.500	200	N	N	N	150
EF8341	47 50 0	112 38 0	1-257	5.00	.70	.30	.700	1,000	N	N	N	100
EF8321	47 50 0	112 47 0	1-258	.20	10.00	10.00	.030	100	N	N	N	30
EF8322	47 50 0	112 47 0	1-258	.07	.70	20.00	.010	50	N	N	N	<10
B131	47 50 53	112 50 4	1-259	3.00	1.00	.50	.300	300	N	N	N	10
B133	47 50 43	112 50 26	1-259	2.00	1.00	2.00	.200	150	N	N	N	20
B134	47 50 43	112 50 36	1-259	N	7.00	10.00	.005	50	N	N	N	N
B135	47 50 51	112 51 3	1-260	N	7.00	10.00	.003	50	N	N	N	N
B136	47 50 52	112 51 27	1-260	<.70	7.00	20.00	.030	N	N	N	N	N
B137	47 50 46	112 51 50	1-260	N	.20	10.00	<.002	N	N	N	N	N
B138	47 50 46	112 51 59	1-260	.05	7.00	10.00	.003	<10	N	N	N	N
B139	47 50 44	112 52 16	1-261	.70	.70	15.00	.050	70	N	N	N	<10
B140	47 50 43	112 52 28	1-261	N	.30	20.00	.010	30	N	N	N	N
B141	47 50 47	112 52 38	1-261	N	.70	20.00	.015	<10	N	N	N	N
B142	47 50 30	112 52 44	1-261	N	10.00	15.00	.007	100	N	N	N	N
B143	47 50 26	112 52 55	1-261	3.00	.70	7.00	.150	200	N	N	N	70
B144	47 50 14	112 53 1	1-262	.50	.20	.50	.100	100	N	N	N	10
B145	47 50 14	112 53 11	1-262	1.50	5.00	15.00	.030	1,000	N	N	N	N
M266	47 50 50	112 54 45	1-263	1.50	.20	.07	.500	50	N	N	N	70
EF8286	47 50 0	112 55 0	1-264	3.00	.70	1.00	.500	200	N	N	N	150
M141	47 50 40	112 55 59	1-264	2.00	.50	3.00	.150	1,000	N	N	N	N
B253	47 50 15	112 59 57	1-265	1.00	.50	.30	.200	150	N	N	N	10
B254	47 50 29	112 59 3	1-265	3.00	.70	7.00	.300	5,000	N	N	N	N

sample	S-BA	S-8E	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
M142	500	1.0	N	N	<5	N	N	20	N	N	5	10
M143	700	<1.0	N	N	<5	N	7	20	N	N	<5	10
B166	700	2.0	N	N	15	150	20	50	N	<10	70	20
B164	300	1.0	N	N	5	20	20	30	N	N	15	N
B165	1,000	1.0	N	N	15	50	30	20	N	<10	20	10
B162	500	1.0	N	N	7	30	30	50	N	<10	10	10
B163	300	1.5	N	N	10	20	50	20	N	<10	10	<10
B159	150	<1.0	N	N	30	N	300	<20	N	<10	30	20,000
B160	N	N	N	N	N	N	10	N	N	N	N	15
B161	500	1.0	N	N	20	200	70	<20	N	<10	50	10
M291	N	N	N	N	N	N	<5	N	N	N	N	N
M280	2,000	5.0	N	N	5	20	30	N	N	N	15	N
M281	>5,000	5.0	<10	N	20	N	1,000	N	N	N	20	50
M282	700	2.0	N	N	5	70	20	150	N	10	10	10
B335	300	1.0	N	N	N	N	30	50	N	N	5	N
B323	300	1.0	N	N	5	N	10	N	N	N	15	<10
M598	1,500	<1.0	N	N	5	30	20	50	N	N	10	<10
M599	500	N	N	N	<5	<10	10	50	N	N	5	N
M604	300	1.0	N	N	N	15	10	30	N	N	10	<10
M605	200	<1.0	N	N	N	20	5	30	N	N	10	10
M602	N	N	N	N	N	N	<5	20	N	N	N	10
9569	2,000	<1.0	N	N	N	30	100	30	N	N	15	15
M667	300	2.0	N	N	10	50	10	50	N	N	20	10
M668	1,000	2.0	N	N	10	30	7	30	N	N	20	20
M672	300	3.0	N	N	7	70	10	70	N	N	30	10
EFB331	700	5.0	N	N	10	100	30	--	<5	N	70	30
EFB339	700	5.0	N	N	7	50	20	--	N	N	20	20
EFB342	700	5.0	N	N	10	100	20	--	N	N	50	20
EFB341	700	5.0	N	N	20	150	50	--	N	N	70	30
EFB321	20	5.0	N	N	N	10	5	--	N	N	5	N
EFB322	<20	5.0	N	N	N	50	7	--	N	N	7	N
B131	5,000	N	N	N	15	70	70	20	N	N	30	10
B133	200	1.0	N	N	7	30	20	30	N	N	15	10
B134	N	N	N	N	<10	<10	15	<20	N	N	N	N
B135	N	N	N	N	N	N	<5	N	N	N	N	N
B136	N	N	N	N	N	N	7	N	N	N	N	N
B137	N	N	N	N	N	N	N	N	N	N	N	N
B138	N	N	N	N	N	N	10	N	N	N	N	N
B139	20	N	N	N	N	N	N	N	N	N	7	N
B140	N	N	N	N	N	N	N	N	N	N	N	N
B141	<20	N	N	N	N	15	<5	N	N	N	N	N
B142	N	N	N	N	N	N	<5	N	N	N	N	N
B143	100	1.0	N	N	7	70	10	20	N	N	20	10
B144	150	<1.0	N	N	N	50	50	<20	N	N	15	N
B145	300	N	N	N	N	N	30	N	N	N	N	N
M266	700	1.0	N	N	N	50	50	N	N	10	15	10
EFB286	1,000	5.0	N	N	15	100	30	--	N	N	70	30
M141	700	1.0	N	N	<5	N	N	20	N	N	<5	10
B253	1,000	3.0	N	N	5	10	N	<20	N	<10	5	15
B254	700	<1.0	N	N	20	70	15	30	N	N	30	<10

Choteau rock--continued

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
M142	N	5	N	150	50	N	<10	N	70	N	N
M143	N	<5	N	300	30	N	<10	N	100	N	N
B166	N	15	N	100	200	N	30	N	150	N	.12
B164	N	7	N	200	50	N	20	N	70	N	.02
B165	N	10	N	200	100	N	20	N	200	N	.02
B162	N	15	N	150	50	N	20	N	100	N	.02
B163	N	10	N	50	50	N	20	N	150	N	.02
B159	N	10	N	200	200	N	30	3,000	100	N	.04
B160	N	N	N	<150	N	N	N	N	N	N	N
B161	N	15	N	100	150	N	15	N	100	N	.06
M291	N	N	N	300	30	N	N	N	N	N	.06
M280	N	10	N	100	70	N	50	N	150	N	N
M281	N	10	N	5,000	70	N	50	N	70	N	.04
M282	N	15	N	N	50	N	70	N	>1,000	N	.02
B335	N	N	N	N	10	N	70	N	200	N	.04
B323	N	5	N	N	50	N	50	N	300	N	.02
M598	N	5	N	N	50	N	15	N	150	N	.26
M599	N	<5	N	N	20	N	<10	N	150	N	.08
M604	N	5	N	N	30	N	15	N	70	N	.04
M605	N	7	N	N	50	N	15	N	50	N	.02
M602	N	N	N	100	30	N	10	N	N	N	.04
B569	N	7	N	100	50	N	30	N	150	N	.04
M667	N	15	N	N	70	N	30	N	300	N	.04
M668	N	7	N	N	70	N	20	N	70	N	.10
M672	N	15	N	N	100	N	50	N	500	N	.04
EFB331	N	15	N	150	300	N	30	N	150	N	.04
EFB339	N	7	N	200	100	N	15	N	100	N	.02
EFB342	N	7	N	100	200	N	20	N	150	N	.10
EFB341	N	20	N	150	200	N	30	N	150	N	.04
EFB321	N	N	N	100	15	N	<10	N	<10	N	N
EFB322	N	N	N	500	10	N	10	N	N	N	.02
B131	N	10	N	300	100	N	20	N	150	N	.06
B133	N	10	N	100	70	N	30	N	150	N	.08
B134	N	N	N	<100	N	N	15	N	N	N	.02
B135	N	N	N	100	<10	N	N	N	N	N	.03
B136	N	N	N	<100	<10	N	N	N	N	N	.05
B137	N	N	N	N	N	N	N	N	N	N	N
B138	N	N	N	N	<10	N	N	N	N	N	N
B139	N	<5	N	150	15	N	N	N	15	N	.06
B140	N	N	N	<100	N	N	N	N	N	N	N
B141	N	N	N	500	N	N	<10	N	N	N	.06
B142	N	N	N	100	N	N	10	N	N	N	.02
B143	N	10	N	300	70	N	15	N	70	N	.07
B144	N	5	N	<100	100	N	<10	N	50	N	.05
B145	N	N	N	500	<10	N	N	N	10	N	.02
M266	N	5	N	N	70	N	10	N	200	N	.04
EFB286	N	10	N	150	300	N	20	N	150	N	.06
M141	N	5	N	300	50	N	10	N	100	N	.02
B253	N	10	<10	150	50	N	15	N	70	N	.02
B254	N	20	N	<300	150	N	30	N	200	N	.06

sample	Latitude	Longitude	MAP_NO.	S-FEX	S-MGX	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
M225	47 50 53	113 1 20	1,266	2.00	3.00	7.00	.100	700	N	N	N	20
M286	47 50 22	113 3 44	1,267	1.50	7.00	15.00	.030	500	N	N	N	N
M292	47 50 4	113 4 50	1,268	.05	5.00	20.00	.015	30	N	N	N	N
M293	47 50 22	113 5 12	1,269	.30	7.00	20.00	.020	70	N	N	N	10
M294	47 50 37	113 5 24	1,269	N	3.00	20.00	.010	10	N	N	N	N
M295	47 50 56	113 5 43	1,269	N	10.00	20.00	.005	70	N	N	N	N
M276	47 50 1	113 6 24	1,270	.70	1.50	20.00	.050	100	N	N	N	10
M283	47 50 31	113 8 35	1,271	.70	.20	<.05	.050	30	N	N	N	20
M284	47 50 50	113 8 24	1,271	1.00	.70	.05	.070	70	N	N	N	30
B326	47 50 46	113 10 43	1,272	1.50	1.00	.50	.200	700	N	N	N	70
B324	47 50 8	113 11 37	1,273	3.00	1.00	.10	.050	150	N	N	N	200
B325	47 50 26	113 11 16	1,273	1.50	1.00	.50	.150	1,000	1.5	N	N	70
M606	47 50 47	113 17 39	1,274	1.50	1.50	.07	.150	150	N	N	N	30
M607	47 50 33	113 17 43	1,274	1.50	1.50	.20	.070	200	N	N	N	70
M608	47 50 26	113 18 9	1,275	.30	.10	<.05	.050	50	N	N	N	30
M609	47 50 27	113 18 30	1,275	3.00	1.50	.05	.200	100	N	N	N	70
M610	47 50 44	113 18 31	1,275	1.50	.50	<.05	.150	50	N	N	N	30
B570	47 50 10	113 36 21	1,276	3.00	1.00	.70	.300	700	N	N	N	50
M666	47 50 45	113 39 59	1,277	3.00	7.00	7.00	.200	700	N	N	N	100
M100	47 51 4	112 49 45	1,278	20.00	10.00	20.00	.150	300	7.0	N	N	50
M265	47 51 44	112 55 59	1,279	10.00	1.00	.50	1.000	500	N	N	N	N
M139	47 51 28	112 56 8	1,280	3.00	1.00	.70	.200	1,000	N	N	N	N
M140	47 51 16	112 56 1	1,280	2.00	1.00	1.00	.150	300	N	N	N	1,000
M230	47 51 54	112 56 27	1,280	2.00	1.50	1.50	.150	200	N	N	N	<10
M228	47 51 30	112 58 37	1,281	2.00	.30	.70	.200	150	N	N	N	30
M229	47 51 42	112 58 2	1,281	1.50	.30	.07	.150	<10	N	N	N	20
M285	47 51 42	113 3 38	1,282	.70	1.00	20.00	.015	500	N	N	N	N
M296	47 51 8	113 6 11	1,283	.10	3.00	20.00	.015	70	N	N	N	N
M297	47 51 18	113 6 36	1,283	.70	7.00	20.00	.030	100	N	N	N	N
M298	47 51 29	113 7 14	1,284	.50	10.00	20.00	.015	100	N	N	N	N
M299	47 51 33	113 7 41	1,284	.05	3.00	20.00	.015	100	N	N	N	N
B329	47 51 49	113 9 56	1,285	.70	.20	<.05	.100	50	N	N	N	30
B330	47 51 55	113 9 44	1,285	2.00	1.00	.10	.150	100	N	N	N	70
B327	47 51 5	113 10 26	1,286	1.50	1.50	.50	.200	500	N	N	N	50
B328	47 51 24	113 10 20	1,286	3.00	2.00	.50	.300	1,000	N	N	N	50
M597	47 51 55	113 14 41	1,287	.15	1.00	>20.00	.015	30	N	N	N	N
M619	47 51 19	113 18 45	1,288	.15	.07	.07	.030	30	N	N	N	N
M615	47 51 50	113 19 50	1,289	1.50	1.50	2.00	.150	700	5.0	N	N	50
M616	47 51 29	113 20 25	1,290	2.00	3.00	3.00	.150	700	N	N	N	50
M617	47 51 28	113 20 40	1,290	2.00	1.50	15.00	.100	3,000	N	N	N	N
M611	47 51 15	113 21 38	1,291	.05	3.00	20.00	.015	20	N	N	N	N
M618	47 51 25	113 21 4	1,291	3.00	1.50	1.00	.150	700	N	N	N	70
M663	47 51 12	113 36 21	1,292	3.00	3.00	5.00	.150	700	N	N	N	100
B571	47 51 11	113 37 59	1,293	2.00	1.00	.10	.300	200	10.0	N	N	100
M664	47 51 1	113 39 55	1,294	3.00	2.00	7.00	.150	1,500	1.5	N	N	50
M520	47 51 36	113 41 56	1,295	2.00	7.00	20.00	.100	500	N	N	N	70
M99	47 52 32	112 49 39	1,296	.15	.50	>20.00	.015	50	N	N	N	N
M134	47 52 54	112 53 54	1,297	N	1.00	15.00	.010	20	N	N	N	N
M135	47 52 45	112 54 1	1,298	N	5.00	15.00	<.050	300	N	N	N	N
M136	47 52 43	112 54 15	1,298	5.00	1.00	2.00	1.000	300	N	N	N	30

Chateau rock--continued

sample	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
M225	>5,000	N	N	N	<5	<10	100	<20	N	N	7	<10
M286	30	<1.0	N	N	N	N	5	N	N	N	5	<10
M292	N	N	N	N	N	N	5	N	N	N	N	N
M293	N	N	N	N	N	N	20	N	N	N	N	10
M294	N	N	N	N	N	N	5	N	N	N	N	N
M295	N	N	N	N	N	N	10	N	N	N	N	10
M276	50	2.0	N	N	N	N	<5	N	N	N	5	N
M283	500	1.0	<10	N	N	N	100	N	N	N	5	10
M284	500	1.0	N	N	N	N	20	N	N	N	5	N
B326	300	2.0	N	N	5	20	30	50	N	N	15	10
B324	150	5.0	N	N	N	N	70	N	N	N	5	10
B325	200	2.0	N	N	5	20	300	N	N	N	15	10
M606	200	2.0	N	N	7	20	10	30	N	N	15	<10
M607	1,500	1.5	N	N	<5	10	20	N	N	N	7	N
M608	300	N	N	N	N	<10	7	N	N	N	5	N
M609	300	2.0	N	N	7	70	15	50	N	N	20	30
M610	300	<1.0	N	N	5	30	7	30	N	N	15	<10
B570	300	1.0	N	N	7	30	20	30	N	N	20	<10
M666	2,000	2.0	N	N	5	70	50	70	N	N	20	30
M100	5,000	2.0	N	N	15	150	150	100	20	N	300	50
M265	700	2.0	N	N	5	N	50	N	N	30	15	10
M139	1,500	1.0	N	N	15	30	10	30	N	N	10	10
M140	500	1.5	N	N	10	30	10	30	N	N	15	15
M230	500	1.0	N	N	5	15	10	20	N	N	10	10
M228	500	1.0	N	N	7	50	10	20	N	N	15	10
M229	700	1.0	N	N	N	70	20	20	N	<10	10	<10
M285	30	<1.0	N	N	N	N	5	N	N	N	<5	20
M296	N	N	N	N	N	N	5	N	N	N	N	N
M297	N	N	N	N	N	N	10	N	N	N	N	N
M298	N	N	N	N	N	N	20	N	N	N	N	10
M299	N	N	N	N	N	N	5	N	N	N	N	10
B329	300	<1.0	N	N	N	N	70	N	N	N	5	N
B330	500	1.0	N	N	5	N	20	N	N	10	20	10
B327	300	2.0	N	N	5	20	10	N	N	N	15	N
B328	1,500	2.0	N	N	10	50	30	N	N	N	20	15
M597	<20	N	N	N	N	N	7	20	N	N	N	10
M619	300	N	N	N	N	N	15	<20	N	N	5	N
M615	300	1.0	N	N	5	20	15	30	N	N	10	10
M616	1,500	1.0	N	N	5	30	20	30	N	N	15	N
M617	1,500	<1.0	N	N	15	30	15	30	N	N	15	20
M611	N	N	N	N	N	N	<5	N	N	N	N	N
M618	300	1.0	N	N	7	30	10	30	N	N	20	N
M663	300	1.5	N	N	5	50	15	30	N	N	20	10
B571	2,000	2.0	15	N	15	50	7,000	30	N	N	30	200
M664	300	1.0	N	N	15	30	30	30	15	N	15	200
M520	300	N	N	N	<5	20	15	30	N	N	<5	30
M99	N	N	N	N	N	N	N	N	N	N	N	N
M134	N	N	N	N	N	N	N	N	N	N	N	N
M135	N	N	N	N	N	<10	N	<20	N	N	N	N
M136	200	N	N	N	20	300	15	150	N	N	30	15

Chateau rock--continued

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
M225	N	<5	N	N	20	N	15	N	70	N	.05
M286	N	N	N	100	30	N	10	N	N	N	N
M292	N	N	N	200	30	N	N	N	N	N	.03
M293	N	N	N	300	30	N	N	N	N	N	.03
M294	N	N	N	200	30	N	N	N	N	N	.02
M295	N	N	N	N	20	N	N	N	N	N	.03
M276	N	5	N	500	70	N	N	N	20	N	.02
M283	N	N	N	N	10	N	10	N	500	N	.02
M284	N	N	N	N	20	N	10	N	150	N	N
B326	N	5	N	N	50	N	30	N	150	N	.02
B324	N	5	N	N	70	N	10	N	50	N	.06
B325	N	5	N	N	50	N	30	N	150	N	.03
M606	N	7	N	N	70	N	20	N	150	N	.02
M607	N	7	N	N	30	N	<10	N	100	N	.02
M608	N	<5	N	N	10	N	<10	N	70	N	.02
M609	N	15	N	N	100	N	30	N	150	N	.04
M610	N	7	N	N	50	N	15	N	150	N	<.02
B570	N	10	N	N	70	N	30	N	200	N	.02
M666	N	10	N	<100	100	N	30	N	100	N	.08
M100	N	<10	N	700	50	N	100	500	N	N	.50
M265	N	10	N	300	150	N	20	N	150	N	.06
M139	N	15	N	500	100	N	15	N	100	N	.04
M140	N	10	N	300	70	N	15	N	100	N	.02
M230	N	5	N	150	50	N	15	N	150	N	.08
M228	N	10	N	<100	70	N	15	N	300	N	.09
M229	N	5	N	<100	100	N	15	N	200	N	.09
M285	N	N	N	300	30	N	N	700	20	N	.06
M296	N	N	N	N	50	N	N	N	N	N	.06
M297	N	N	N	N	50	N	N	N	N	N	.08
M298	N	N	N	100	50	N	N	N	N	N	.08
M299	N	N	N	100	30	N	N	N	N	N	.10
B329	N	N	N	N	10	N	10	N	150	N	.04
B330	N	5	N	N	50	N	10	N	150	N	.02
B327	N	5	N	100	30	N	30	N	300	N	.02
B328	N	5	N	100	50	N	50	N	300	N	.06
M597	N	N	N	300	50	N	N	N	N	N	.10
M619	N	N	N	N	10	N	N	N	100	N	<.02
M615	N	7	N	N	50	N	20	N	150	N	.04
M616	N	7	N	100	50	N	20	N	150	N	<.02
M617	N	7	N	100	70	N	50	N	150	N	.06
M611	N	N	N	150	30	N	N	N	N	N	<.02
M618	N	7	N	N	70	N	30	N	150	N	<.02
M663	N	10	N	N	50	N	30	N	150	N	.02
B571	N	15	N	200	70	N	30	N	150	N	.45
M664	N	7	N	150	70	N	30	N	150	N	.10
M520	N	N	N	N	50	N	50	N	70	N	.06
M99	N	N	N	100	N	N	N	N	N	N	.04
M134	N	N	N	150	N	N	N	N	N	N	N
M135	N	<5	N	<150	30	N	N	N	N	N	<.02
M136	N	<15	N	N	200	N	70	N	>1,000	N	.08

Chateau rock--continued

sample	latitude	longitude	MAP_NO.	S-FEX	S-MGX	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
M137	47 52 45	112 54 37	1,298	2.00	.20	.10	.300	200	N	N	N	30
M138	47 52 43	112 54 51	1,298	3.00	.50	3.00	.300	3,000	N	N	N	N
M264	47 52 3	112 56 33	1,299	>20.00	1.50	3.00	>1.000	2,000	N	N	N	20
B262	47 52 44	112 59 15	1,300	1.50	.15	.07	.200	150	N	N	N	N
B259	47 52 37	113 0 45	1,301	3.00	2.00	1.50	.150	2,000	N	N	N	70
B260	47 52 34	113 0 27	1,301	5.00	.70	.50	.300	700	N	N	N	N
B256	47 52 30	113 1 52	1,302	.30	5.00	7.00	.010	3,000	N	N	N	N
B257	47 52 34	113 1 22	1,302	2.00	2.00	<2.00	.200	<200	2.0	300	N	50
B258	47 52 37	113 1 5	1,302	10.00	1.50	2.00	1.000	1,500	N	N	N	N
B255	47 52 29	113 2 20	1,303	2.00	1.00	.50	.150	500	N	N	N	70
M613	47 52 8	113 19 19	1,304	.70	1.50	.05	.050	50	N	N	N	30
M614	47 52 0	113 19 37	1,304	3.00	1.00	.07	.070	70	N	N	N	30
M624	47 52 36	113 20 50	1,305	1.00	5.00	.7.00	.070	1,500	N	N	N	20
M632	47 52 52	113 24 54	1,306	.30	1.00	>20.00	.015	700	N	N	N	N
M633	47 52 19	113 24 26	1,306	.07	1.50	>20.00	.015	70	N	N	N	N
M661	47 52 39	113 36 25	1,307	2.00	2.00	.15	.200	300	1.0	N	N	70
M673	47 52 7	113 36 58	1,307	2.00	3.00	2.00	.100	700	N	N	N	50
M677	47 52 40	113 38 6	1,308	5.00	3.00	15.00	.200	2,000	N	N	N	70
M678	47 52 39	113 38 31	1,308	2.00	1.50	2.00	.200	1,500	N	N	N	20
M679	47 52 38	113 38 50	1,308	5.00	3.00	.15	.300	300	N	N	N	200
M680	47 52 37	113 39 6	1,309	5.00	3.00	.20	.300	500	N	N	N	300
M681	47 52 51	113 39 32	1,309	3.00	3.00	3.00	.300	1,000	N	N	N	200
M665	47 52 6	113 40 49	1,310	2.00	3.00	10.00	.100	700	N	N	N	70
M519	47 52 6	113 44 11	1,311	3.00	7.00	3.00	.500	300	N	N	N	70
EFB323	47 53 0	112 45 0	1,312	3.00	1.50	15.00	.300	1,000	N	N	N	100
M121	47 53 51	112 51 45	1,313	1.00	.15	.05	.300	70	N	N	N	10
M112	47 53 55	112 53 10	1,314	N	7.00	20.00	.200	300	N	N	N	70
M113	47 53 56	112 53 10	1,314	N	7.00	20.00	.010	N	N	N	N	N
M129	47 53 53	112 53 18	1,314	2.00	7.00	10.00	.070	200	N	N	N	10
M130	47 53 47	112 53 27	1,314	<.05	5.00	10.00	.005	N	N	N	N	N
M131	47 53 34	112 53 34	1,314	<.05	.70	20.00	.010	30	N	N	N	N
M132	47 53 26	112 53 44	1,314	<.05	.30	20.00	.015	30	N	N	N	N
M133	47 53 12	112 53 49	1,314	<.05	2.00	10.00	.015	30	N	N	N	N
EFB287	47 53 0	112 56 0	1,315	3.00	1.00	1.00	.500	200	N	N	N	<10
B318	47 53 33	113 9 56	1,316	5.00	2.00	.30	.200	500	N	N	N	200
B319	47 53 40	113 9 33	1,316	.07	.15	<.05	.030	20	N	N	N	150
B320	47 53 50	113 9 13	1,316	.05	.20	<.05	.030	50	N	N	N	30
B321	47 53 58	113 9 7	1,316	1.00	1.50	.15	.150	300	N	N	N	10
B317	47 53 22	113 10 3	1,317	2.00	3.00	1.00	.200	1,000	N	N	N	70
B315	47 53 47	113 11 38	1,318	1.50	.50	.07	.300	150	N	N	N	30
B316	47 53 31	113 11 2	1,318	5.00	3.00	3.00	.200	1,000	N	N	N	50
M601	47 53 41	113 17 20	1,319	N	.30	20.00	.030	70	N	N	N	N
M620	47 53 48	113 19 41	1,320	2.00	1.00	.10	.150	200	N	N	N	20
M623	47 53 25	113 19 39	1,320	.50	.20	.15	.050	100	N	N	N	N
M625	47 53 20	113 20 55	1,321	2.00	1.50	.30	.200	500	N	N	N	100
M629	47 53 30	113 25 53	1,322	.30	3.00	20.00	.020	50	N	N	N	15
M630	47 53 58	113 25 58	1,322	.10	1.00	>20.00	.020	70	N	N	N	15
M631	47 53 29	113 25 19	1,322	.70	1.00	>20.00	.070	150	N	N	N	20
M662	47 53 12	113 34 54	1,323	3.00	3.00	.50	.500	300	N	N	N	70
M659	47 53 47	113 36 2	1,324	3.00	2.00	.70	.200	500	N	N	N	70

sample	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
M137	200	1.5	N	N	10	50	15	30	N	15	15	10
M138	1,500	1.0	N	N	10	30	<5	30	N	N	15	10
M264	300	2.0	N	N	70	150	10	50	N	N	15	20
B262	500	N	N	N	N	20	<5	20	<5	N	7	10
B259	300	1.5	N	N	7	20	20	<20	N	N	15	N
B260	1,500	N	N	N	15	<10	20	30	N	N	15	15
B256	300	N	N	N	N	N	<5	N	N	N	N	<10
B257	1,500	<1.0	N	N	20	30	7,000	<20	100	N	20	50
B258	1,500	<1.0	N	N	50	30	300	20	N	N	70	N
B255	1,500	1.0	N	N	7	30	20	20	N	N	15	10
M613	300	N	N	N	N	<10	20	N	N	N	10	<10
M614	300	1.0	N	N	10	20	10	30	N	N	20	N
M624	300	<1.0	N	N	N	15	10	<20	N	N	5	10
M632	20	N	N	N	N	N	<5	<20	N	N	10	10
M633	20	N	N	N	N	N	<5	N	N	N	N	<10
M661	500	2.0	N	N	10	30	300	30	N	N	30	15
M673	1,500	1.0	N	N	10	20	15	N	N	N	30	10
M677	>5,000	<1.0	N	N	20	30	50	100	N	N	10	100
M678	500	2.0	N	N	10	30	15	70	N	N	20	10
M679	700	3.0	N	N	20	70	5	70	N	N	30	10
M680	700	3.0	N	N	15	70	15	50	N	N	30	N
M681	700	3.0	N	N	20	70	30	70	N	N	30	100
M665	700	1.0	N	N	5	30	20	20	N	N	10	15
M519	3,000	3.0	N	N	7	50	10	30	N	N	20	N
EFB323	500	5.0	N	N	10	70	20	--	N	N	20	15
M121	100	N	N	N	<5	30	<5	20	N	N	5	N
M112	300	<1.0	N	N	15	70	20	50	N	N	50	15
M113	N	N	N	N	N	N	N	N	N	N	N	N
M129	50	N	N	N	<5	10	N	20	N	N	7	N
M130	N	N	N	N	N	N	<5	N	N	N	N	N
M131	N	N	N	N	N	N	N	N	N	N	N	N
M132	N	N	N	N	N	N	N	N	N	N	N	N
M133	N	N	N	N	N	10	7	N	N	N	<5	N
EFB287	2,000	5.0	N	N	15	150	30	--	N	N	70	30
B318	>5,000	3.0	N	N	10	N	1,000	50	N	N	20	20
B319	500	<1.0	N	N	N	N	20	N	N	N	5	N
B320	500	<1.0	N	N	N	N	30	N	N	N	5	N
B321	500	2.0	N	N	5	20	30	N	N	N	20	10
B317	3,000	2.0	N	N	10	N	20	50	N	N	15	20
B315	1,500	1.0	N	N	N	N	20	50	N	10	10	N
B316	1,000	2.0	N	N	10	N	10	100	N	10	20	N
M601	N	N	N	N	N	N	15	<20	N	N	N	10
M620	300	1.0	N	N	5	30	10	50	N	N	10	N
M623	300	<1.0	N	N	N	10	20	20	N	N	5	10
M625	500	2.0	N	N	10	50	10	30	N	N	30	10
M629	<20	N	N	N	N	<10	5	N	N	N	<5	10
M630	<20	N	N	N	N	20	7	N	N	N	5	10
M631	30	N	N	N	N	30	7	N	N	N	20	15
M662	300	3.0	N	N	5	70	20	150	N	<20	30	<10
M659	500	2.0	N	N	10	50	5	30	N	N	30	15

Choteau rock--continued

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
M137	N	15	N	N	70	N	30	N	500	N	.02
M138	N	10	N	300	70	N	10	N	150	N	.02
M264	N	20	N	N	7,000	N	30	N	>1,000	N	.20
B262	N	5	N	100	30	N	10	N	100	N	.02
B259	N	<5	N	<150	30	N	50	N	150	N	N
B260	N	10	N	200	100	N	15	N	150	N	.03
B256	N	N	N	<100	<10	N	15	N	<10	N	.02
B257	N	N	N	<100	50	N	15	N	500	N	.04
B258	N	<50	N	N	300	N	50	N	150	N	N
B255	N	7	N	N	50	N	15	N	150	N	.06
M613	N	<5	N	N	20	N	<10	N	100	N	.04
M614	N	5	N	N	50	N	15	N	70	N	.04
M624	N	<5	N	<100	15	N	15	N	150	N	.02
M632	N	N	N	100	50	N	10	N	N	N	.02
M633	N	N	N	150	50	N	10	N	N	N	.02
M661	N	10	N	N	70	N	30	N	150	N	.06
M673	N	7	N	N	30	N	20	N	70	N	.02
M677	N	<15	N	5,000	100	N	50	N	500	N	.02
M678	N	10	N	N	70	N	30	N	300	N	.02
M679	N	15	N	N	150	N	70	N	500	N	.04
M680	N	15	N	N	150	N	30	N	200	N	.14
M681	N	20	N	<100	150	N	50	N	150	N	.06
M665	N	7	N	100	70	N	20	N	70	N	.06
M519	N	N	N	N	70	N	70	N	300	N	.04
EFB323	N	7	N	200	50	N	20	N	70	--	N
M121	N	<5	N	N	30	N	15	N	500	N	.02
M112	N	N	N	N	70	N	20	N	N	N	.03
M113	N	N	N	<100	<10	N	N	N	N	N	N
M129	N	<5	N	100	15	N	10	N	30	N	N
M130	N	N	N	<100	N	N	N	N	N	N	N
M131	N	N	N	100	N	N	N	N	N	N	N
M132	N	N	N	100	N	N	N	N	N	N	.02
M133	N	N	N	200	<10	N	<10	N	N	N	N
EFB287	N	15	N	150	300	N	20	N	100	N	.04
B318	N	10	N	700	70	N	70	N	150	--	.06
B319	N	N	N	N	10	N	N	N	70	N	.10
B320	N	N	N	N	10	N	N	N	70	N	.06
B321	N	5	N	N	50	N	20	N	150	N	.05
B317	N	10	N	200	50	N	50	N	300	N	.08
B315	N	5	N	100	50	N	20	N	300	N	.06
B316	N	10	N	100	50	N	30	N	150	N	.07
M601	N	N	N	150	50	N	N	N	N	N	.08
M620	N	7	N	N	50	N	N	N	N	N	.06
M623	N	<5	N	N	30	N	20	N	200	N	.02
M625	N	7	N	<100	15	N	10	N	150	N	.02
M629	N	N	N	N	70	N	30	N	200	N	.02
M630	N	N	N	500	70	N	10	N	20	N	.04
M631	N	5	N	200	70	N	20	N	30	N	.02
M662	N	20	N	N	100	N	70	N	500	N	.04
M659	N	15	N	N	70	N	30	N	150	N	.04

sample	latitude	longitude	MAP_NO.	S-FEX	S-MGX	S-CAZ	S-TIZ	S-MN	S-AG	S-AS	S-AU	S-B
M660	47 53 11	113 36 30	1,324	3.00	1.50	.10	.300	70	N	N	N	70
M682	47 53 4	113 39 47	1,325	3.00	5.00	5.00	.300	1,500	1.5	N	N	100
M521	47 53 27	113 45 3	1,326	3.00	5.00	3.00	.500	1,000	7.0	N	N	70
EFB324	47 54 0	112 46 0	1,327	5.00	1.00	.30	.700	500	N	N	N	200
8834	47 54 34	112 47 0	1,328	2.00	1.00	3.00	.200	1,000	N	N	N	20
M114	47 54 13	112 52 34	1,329	1.50	.30	10.00	.030	20	N	N	N	<10
M115	47 54 26	112 52 28	1,329	<.05	5.00	20.00	.010	<10	N	N	N	N
M117	47 54 58	112 52 8	1,329	3.00	.50	.30	.300	150	N	N	N	15
M119	47 54 14	112 52 0	1,329	.70	7.00	10.00	.030	70	N	N	N	<10
B291	47 54 7	112 59 36	1,330	3.00	.70	.70	.500	500	N	N	N	N
B272	47 54 8	113 1 47	1,331	3.00	.70	<.10	.200	100	N	N	N	200
B273	47 54 11	113 1 29	1,331	2.00	5.00	7.00	.070	1,000	N	N	N	50
B274	47 54 13	113 1 16	1,331	2.00	.30	.07	.150	200	N	N	N	15
B275	47 54 20	113 1 5	1,331	3.00	.30	.07	.150	500	N	N	N	10
B306	47 54 32	113 5 24	1,332	3.00	1.00	15.00	.100	2,000	N	N	N	20
B307	47 54 27	113 5 44	1,332	.10	7.00	15.00	.005	70	N	N	N	20
B312	47 54 38	113 10 31	1,333	3.00	1.50	3.00	.200	1,000	N	N	N	150
B313	47 54 28	113 10 43	1,333	1.00	.50	.30	.200	500	N	N	N	30
B314	47 54 19	113 10 53	1,333	1.50	.50	.30	.100	300	N	N	N	70
M621	47 54 42	113 19 30	1,334	.30	.70	15.00	.030	700	N	N	N	N
M634	47 54 13	113 19 50	1,334	3.00	1.50	.30	.200	700	N	N	N	70
M622	47 54 49	113 20 13	1,335	1.50	.70	.07	.100	200	N	N	N	15
M635	47 54 9	113 20 8	1,335	1.50	1.50	3.00	.200	1,000	N	N	N	50
M636	47 54 10	113 20 42	1,335	1.00	.20	.05	.070	30	N	N	N	150
M637	47 54 23	113 21 7	1,336	.70	.50	<.05	.100	30	N	N	N	70
M638	47 54 23	113 21 35	1,336	2.00	2.00	1.00	.200	700	1.5	N	N	200
M626	47 54 39	113 23 2	1,337	.07	1.00	20.00	.030	100	N	N	N	N
M612	47 54 18	113 26 12	1,338	.50	.50	20.00	.015	70	N	N	N	10
M628	47 54 26	113 27 11	1,339	.70	1.00	20.00	.050	70	N	N	N	10
M627	47 54 57	113 28 17	1,340	.50	5.00	20.00	.030	300	N	N	N	10
M657	47 54 44	113 36 26	1,341	10.00	3.00	7.00	1.000	1,500	N	N	N	10
M658	47 54 12	113 36 37	1,341	2.00	1.50	7.00	.300	700	N	N	N	70
M522	47 54 2	113 42 59	1,342	3.00	7.00	20.00	.200	500	N	N	N	70
8836	47 55 36	112 50 14	1,343	3.00	1.00	15.00	.100	>5,000	N	N	N	10
8837	47 55 3	112 51 6	1,344	.05	2.00	20.00	.010	70	N	N	N	10
M116	47 55 16	112 52 47	1,345	.07	.30	20.00	.007	30	N	N	N	N
M171	47 55 9	112 57 27	1,346	1.50	.70	.70	.100	300	N	N	N	10
EFB288	47 55 0	112 59 0	1,347	1.00	.30	.20	.300	70	N	N	N	70
EFB289	47 55 0	112 59 0	1,347	3.00	.70	.30	.700	100	.5	N	N	200
M239	47 55 2	112 59 41	1,347	2.00	1.50	1.00	.500	1,000	N	N	N	<10
M237	47 55 41	113 0 39	1,348	3.00	.70	.70	.300	500	N	N	N	<10
M238	47 55 40	113 0 19	1,348	5.00	1.50	.70	.500	1,500	N	N	N	<10
M235	47 55 36	113 1 48	1,349	2.00	1.50	.70	.070	1,500	N	N	N	<10
M236	47 55 36	113 1 24	1,349	1.50	.50	20.00	.030	2,000	N	N	N	N
M232	47 55 17	113 2 10	1,350	10.00	3.00	10.00	.700	1,500	7.0	N	N	20
M233	47 55 41	113 2 24	1,350	1.50	5.00	10.00	.050	1,500	N	N	N	50
M234	47 55 34	113 2 6	1,350	1.00	3.00	7.00	.030	1,000	N	N	N	10
B305	47 55 43	113 6 24	1,351	.15	2.00	15.00	.005	50	N	N	N	N
B304	47 55 52	113 7 44	1,352	N	2.00	15.00	.005	10	N	N	N	N
B331	47 55 20	113 8 2	1,353	N	1.50	15.00	.050	50	N	N	N	N

Choteau rock--continued

sample	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
M660	500	1.0	N	N	10	50	7	50	N	N	30	10
M682	300	2.0	N	N	15	50	100	70	50	N	30	500
M521	500	2.0	N	N	15	50	5,000	70	N	N	30	50
EFB324	500	5.0	N	N	20	200	30	--	N	N	70	20
B834	300	1.0	N	N	10	30	70	<20	N	N	30	10
M114	N	N	N	N	N	30	10	N	<5	N	30	N
M115	N	N	N	N	N	N	<5	N	N	N	N	N
M117	300	<1.0	N	N	15	30	<5	30	N	<10	20	10
M119	<20	N	N	N	N	<10	10	N	N	N	<5	<10
B291	700	<1.0	N	N	10	N	70	50	N	N	N	15
B272	1,000	N	N	N	15	30	50	30	N	N	20	<10
B273	150	N	N	N	<5	<10	30	<20	N	N	5	<10
B274	200	N	N	N	10	20	30	20	N	N	15	10
B275	200	N	N	N	10	30	30	20	N	N	15	<10
B306	300	N	N	N	7	10	10	50	N	N	10	20
B307	N	N	N	N	N	N	10	N	N	N	N	N
B312	1,000	2.0	N	N	5	N	10	20	N	10	20	N
B313	1,500	1.0	N	N	N	N	50	N	N	N	5	N
B314	>5,000	3.0	N	N	N	N	20	N	N	10	10	N
M621	N	<1.0	N	N	N	10	5	N	N	N	<5	10
M634	300	2.0	N	N	10	10	30	50	N	N	7	<10
M622	200	1.0	N	N	5	15	15	30	N	N	10	<10
M635	700	1.0	N	N	5	30	20	30	N	N	7	10
M636	300	1.0	N	N	N	N	7	N	N	N	5	10
M637	300	<1.0	N	N	N	N	7	N	N	N	5	10
M638	2,000	2.0	N	N	20	70	1,500	70	N	N	30	100
M626	50	N	N	N	N	N	7	N	N	N	<5	10
M612	N	N	N	N	N	30	10	30	N	N	7	N
M628	70	N	N	N	N	15	7	N	N	N	5	10
M627	N	N	N	N	N	N	7	N	N	N	5	15
M657	200	N	N	N	30	70	200	N	N	N	15	N
M658	500	1.5	N	N	5	50	15	30	N	N	20	20
M522	200	2.0	N	N	<5	30	5	30	N	N	10	N
B836	300	<1.0	N	N	7	50	30	N	N	N	20	15
B837	N	<1.0	N	N	N	10	20	N	N	N	5	N
M116	N	N	N	N	N	N	N	N	N	N	N	N
M171	200	<1.0	N	N	<5	10	N	20	N	<10	10	10
EFB288	700	5.0	N	N	7	50	10	--	N	N	15	15
EFB289	1,000	5.0	N	N	10	150	30	--	N	N	70	20
M239	1,000	1.5	N	N	15	70	15	30	N	N	30	10
M237	1,500	1.5	N	N	15	50	<5	20	N	N	15	<10
M238	1,000	N	N	N	30	300	30	20	N	N	150	10
M235	1,500	1.5	N	N	1,000	N	1,000	30	N	N	700	<10
M236	1,000	2.0	N	N	70	30	2,000	70	N	N	N	N
M232	700	N	N	N	7	N	15	N	30	N	70	50
M233	50	N	N	N	N	N	N	N	N	N	N	50
M234	<20	N	N	N	N	N	<5	N	N	N	N	70
B305	N	N	N	N	N	N	<5	N	N	N	N	N
B304	N	N	N	N	N	<10	<5	N	N	N	N	20
B331	N	N	N	N	N	N	<5	N	N	N	N	N

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
M660	N	10	N	N	70	N	30	N	300	N	.02
M682	N	15	N	<100	100	N	30	N	150	N	.06
M521	N	20	N	N	70	N	70	300	500	N	.06
EFB324	N	15	N	100	150	N	20	N	70	--	.04
B834	N	15	N	300	100	N	15	N	70	N	.02
M114	N	N	N	100	30	N	10	N	15	N	.06
M115	N	N	N	500	N	N	N	N	N	N	.02
M117	N	10	N	<100	100	N	15	N	200	N	.02
M119	N	N	N	100	10	N	<10	N	15	N	.02
B291	N	15	N	300	150	N	20	N	150	N	.02
B272	N	15	N	N	70	N	20	N	150	N	.05
B273	N	5	N	N	20	N	15	N	70	N	N
B274	N	10	N	N	100	N	15	N	100	N	.02
B275	N	7	N	N	100	N	15	N	100	N	.06
B306	N	10	N	300	50	N	30	N	70	N	.04
B307	N	N	N	N	10	N	N	N	N	N	N
U312	N	5	N	100	30	N	50	N	150	N	.04
B313	N	5	N	N	20	N	20	N	150	N	.03
B314	N	N	N	500	30	N	20	N	100	N	.07
M621	N	N	N	300	30	N	<10	N	N	N	<.02
M634	N	7	N	N	70	N	30	N	200	N	.02
M622	N	5	N	N	30	N	10	N	150	N	.02
M635	N	5	N	N	30	N	30	N	150	N	.04
M636	N	<5	N	N	20	N	10	N	70	N	.04
M637	N	<5	N	N	20	N	30	N	150	N	.02
M638	N	15	N	<100	100	N	30	N	150	N	.08
M626	N	N	N	100	30	N	N	N	N	N	.02
M612	N	N	N	200	50	N	15	N	10	N	.06
M628	N	N	N	300	50	N	N	N	10	N	.02
M627	N	N	N	200	50	N	N	N	N	N	.04
M657	N	50	N	N	700	N	N	N	100	N	.08
M658	N	10	N	100	70	N	30	N	200	N	.04
M522	N	15	N	100	70	N	70	N	300	N	.06
B836	N	7	N	200	100	N	15	N	50	N	.02
B837	N	N	N	<100	20	N	<10	N	15	N	.02
M116	N	N	N	100	N	N	N	N	N	N	.02
M171	N	5	N	<100	50	N	15	N	150	N	.16
EFB288	N	5	N	100	100	N	15	N	100	--	.02
EF9289	N	10	N	100	200	N	20	N	150	--	.04
M239	N	15	N	300	100	N	30	N	200	N	.04
M237	N	N	N	<500	100	N	20	N	100	N	.12
M238	N	30	N	300	150	N	20	N	150	N	.04
M235	N	10	N	150	50	N	30	N	300	N	.10
M236	N	N	N	500	<10	N	50	N	20	N	.05
M232	N	N	N	<150	200	N	50	N	N	N	.09
M233	N	N	N	<100	<10	N	15	N	50	N	.10
M234	N	N	N	<100	<10	N	<10	N	20	N	.04
B305	N	N	N	300	50	N	N	N	N	N	.04
B304	N	N	N	200	30	N	10	N	N	N	.09
B331	N	N	N	200	50	N	10	N	N	N	.06

Choteau rock--continued

sample	latitude	longitude	MAP_NO.	S-FEX	S-MGZ	S-CAZ	S-TIX	S-MN	S-AC	S-AS	S-AU	S-B
B311	47 55 15	113 10 42	1,354	.30	.20	<.05	.020	50	N	N	N	N
B310	47 55 50	113 11 0	1,355	.50	.50	<.05	.030	50	N	N	N	30
M683	47 55 37	113 13 47	1,356	.10	.03	.07	.070	150	N	N	N	N
B581	47 55 50	113 21 39	1,357	3.00	3.00	2.00	.300	700	N	N	N	100
B582	47 55 53	113 21 25	1,357	.50	.20	.05	.050	20	N	N	N	30
B580	47 55 37	113 22 27	1,358	2.00	1.00	.20	.200	150	N	N	N	70
B577	47 55 49	113 23 55	1,359	2.00	7.00	20.00	.015	300	N	N	N	N
B572	47 55 48	113 30 36	1,360	3.00	1.50	.50	.200	300	N	N	N	100
M653	47 55 33	113 36 51	1,361	1.00	.70	<.05	.070	50	N	N	N	50
M654	47 55 3	113 36 41	1,361	15.00	2.00	5.00	>1.000	2,000	N	N	N	10
EFB345	47 55 20	113 40 48	1,362	2.00	1.00	20.00	.200	>5,000	N	N	N	70
EFB343	47 56 0	112 38 0	1,363	1.50	.50	.10	.300	1,500	.5	N	N	200
B981	47 56 53	112 46 29	1,364	.05	.50	>20.00	.010	15	N	N	N	<10
B835	47 56 4	112 49 54	1,365	.10	7.00	15.00	.030	100	N	N	N	20
M170	47 56 14	112 56 49	1,366	2.00	.50	<3.00	.300	5,000	N	N	N	20
M168	47 56 43	112 57 6	1,367	5.00	.70	.70	.500	700	N	N	N	N
M169	47 56 15	112 57 0	1,367	3.00	.70	.70	.300	700	N	N	N	N
B288	47 56 42	112 59 42	1,368	3.00	.70	.20	.300	300	N	N	N	15
B283	47 56 36	113 0 41	1,369	3.00	1.00	.70	.500	700	N	N	N	15
B284	47 56 35	113 0 29	1,369	3.00	.30	.50	.300	1,500	N	N	N	<10
B285	47 56 36	113 0 19	1,369	1.50	.30	.05	.200	100	N	N	N	N
B286	47 56 41	113 0 14	1,369	3.00	.70	1.00	.300	1,000	N	N	N	N
B287	47 56 46	113 0 7	1,369	3.00	.70	.70	.300	700	N	N	N	N
B308	47 56 13	113 9 55	1,370	3.00	2.00	.30	.500	300	N	N	N	150
B322	47 56 30	113 9 17	1,370	.05	3.00	20.00	.015	50	N	N	N	N
B309	47 56 7	113 10 41	1,371	7.00	3.00	.30	.500	300	N	N	N	150
M697	47 56 48	113 10 4	1,371	<.05	.70	>20.00	.015	70	N	N	N	N
B585	47 56 28	113 19 54	1,372	.30	.05	.30	.050	700	N	N	N	N
B586	47 56 11	113 19 13	1,372	5.00	1.50	.07	.500	300	N	N	N	100
B583	47 56 7	113 21 8	1,373	2.00	1.50	1.00	.100	300	N	N	N	150
B584	47 56 32	113 21 8	1,373	1.50	1.50	.30	.150	200	N	N	N	70
B578	47 56 12	113 23 25	1,374	1.50	3.00	>20.00	.015	70	N	N	N	N
B579	47 56 31	113 23 25	1,374	2.00	3.00	7.00	.150	700	N	N	N	100
B653	47 56 50	113 23 47	1,374	2.00	1.50	.15	.200	100	N	N	N	70
B575	47 56 43	113 24 30	1,375	.20	5.00	>20.00	.015	70	N	N	N	N
B576	47 56 56	113 24 13	1,375	3.00	2.00	2.00	.200	700	N	N	N	100
B574	47 56 21	113 25 56	1,376	.15	3.00	20.00	.015	200	N	N	N	N
B573	47 56 24	113 29 23	1,377	.20	1.50	20.00	.020	70	N	N	N	N
M656	47 56 4	113 37 3	1,378	.30	.15	<.05	.020	20	N	N	N	N
EFB344	47 56 18	113 41 37	1,379	3.00	1.50	.10	.500	300	N	N	N	200
M144	47 57 21	112 54 31	1,380	<.05	5.00	10.00	.007	30	N	N	N	N
M145	47 57 40	112 54 27	1,380	<1.50	5.00	15.00	.015	N	N	N	N	N
M146	47 57 52	112 54 7	1,380	.50	7.00	15.00	.050	50	N	N	N	30
B195	47 57 42	112 57 36	1,381	3.00	.50	.70	.200	2,000	N	N	N	15
B194	47 57 49	112 58 0	1,382	3.00	.50	.70	.300	500	N	N	N	N
B289	47 57 0	112 59 29	1,383	1.00	.30	.05	.200	70	N	N	N	20
B290	47 57 10	112 59 36	1,383	2.00	.30	.05	.300	20	N	N	N	50
M249	47 57 56	113 0 59	1,384	3.00	.50	.70	.300	700	N	N	N	N
M250	47 57 34	113 0 26	1,384	3.00	.70	.70	.300	1,000	N	N	N	N
M251	47 57 13	113 0 10	1,384	3.00	.70	.70	.500	700	N	N	N	N

sample	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
B311	300	N	N	N	N	N	70	N	N	N	5	10
B310	300	1.0	N	N	N	N	70	N	N	N	5	N
M683	50	N	N	N	N	N	7	20	N	N	<5	N
B581	1,000	1.0	N	N	10	50	20	50	N	N	30	15
B582	500	<1.0	N	N	N	<10	10	N	N	N	5	30
B580	700	<1.0	N	N	7	50	10	20	N	N	20	<10
B577	N	N	N	N	N	N	15	N	N	N	N	N
B572	5,000	3.0	N	N	5	30	20	70	N	N	20	10
M653	300	1.0	N	N	<5	<10	15	20	N	N	5	N
M654	300	N	N	N	30	<10	300	N	N	N	30	N
EFB345	500	5.0	N	N	10	50	<5	--	N	N	7	20
EFB343	1,000	5.0	N	N	10	70	20	--	10	N	50	20
B981	<20	1.5	N	N	N	N	<5	20	N	N	5	N
B835	20	N	N	N	N	20	50	N	N	N	7	10
M170	300	<1.0	N	N	20	30	<5	30	N	<10	20	<10
M168	700	2.0	N	N	10	N	70	70	N	10	<5	30
M169	1,000	1.0	N	N	10	N	70	50	N	<10	<5	30
B288	500	2.0	N	N	10	30	20	50	N	N	15	10
B293	1,000	2.0	N	N	15	70	50	50	N	N	30	15
B284	1,500	1.0	N	N	15	30	15	30	N	<10	20	10
B285	1,500	<1.0	N	N	<5	<10	N	20	N	N	10	<10
B286	300	1.0	N	N	15	30	15	20	N	N	70	10
B287	1,000	1.0	N	N	7	N	50	30	N	N	N	15
B308	700	2.0	N	N	10	70	70	N	N	10	20	10
B322	N	<1.0	N	N	N	N	5	N	N	N	5	<10
B309	300	2.0	N	N	15	150	10	N	N	10	50	10
M697	N	N	N	N	N	N	5	20	N	N	N	700
B585	70	N	N	N	N	N	15	30	N	N	5	N
B586	500	1.0	N	N	10	50	10	70	N	N	30	10
B583	1,000	1.5	N	N	5	30	50	20	N	N	15	10
B584	700	1.5	N	N	N	30	15	50	N	N	7	10
B578	N	N	N	N	N	N	5	N	N	N	N	N
B579	500	2.0	N	N	5	50	10	30	N	N	15	10
B653	500	1.5	N	N	10	30	7	30	N	N	15	10
B575	N	N	N	N	10	N	15	N	N	N	N	15
B576	1,500	3.0	N	N	10	70	15	70	N	N	30	10
B574	N	N	N	N	N	N	7	N	N	N	N	15
B573	20	N	N	N	N	N	10	N	N	N	N	15
M656	200	N	N	N	N	N	10	20	N	N	<5	N
EFB344	500	5.0	N	N	15	50	7	--	N	N	30	20
M144	N	N	N	N	N	<10	N	N	N	N	<5	50
M145	N	N	N	N	N	N	10	N	<5	N	<5	N
M146	N	N	N	N	N	N	50	N	N	N	<5	N
B195	700	1.0	N	N	7	N	70	20	N	<10	10	15
B194	1,000	1.0	N	N	5	N	30	30	N	<10	10	<10
B289	300	N	N	N	N	70	N	<20	N	N	15	10
B290	700	1.5	N	N	N	100	15	20	N	<10	15	20
M249	1,000	1.0	N	N	5	N	50	30	N	N	N	20
M250	1,000	1.0	N	N	7	N	70	50	N	N	N	20
M251	1,000	1.0	N	N	10	N	150	30	N	N	N	30

Choteau rock--continued

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
B311	N	N	N	N	N	N	N	N	20	N	.07
B310	N	N	N	N	N	N	N	N	50	N	.02
M683	N	N	N	N	10	N	N	N	100	N	<.02
B581	10	10	N	<100	70	N	50	N	200	N	.08
B582	5	5	N	N	20	N	N	N	70	N	.02
B580	5	5	N	N	50	N	20	N	200	N	<.02
B577	N	N	N	150	50	N	30	N	N	N	.02
B572	10	10	N	200	70	N	15	N	150	N	.04
M653	<5	<5	N	N	30	N	50	N	100	N	.04
M654	30	30	N	150	1,000	N	70	N	700	--	.12
EFB345	5	5	N	300	20	N	<10	N	100	--	--
EFB343	10	10	N	100	200	N	15	N	100	--	--
B981	N	N	N	1,500	<10	N	<10	N	N	N	.02
B835	<5	<5	N	N	50	N	15	N	20	N	.06
M170	<15	<15	N	N	100	N	20	N	300	N	.08
M168	15	15	N	300	150	N	30	N	150	N	.04
M169	15	15	N	500	150	N	15	N	150	N	.05
B288	10	10	N	100	70	N	15	N	150	N	.10
B283	10	10	N	300	150	N	30	N	500	N	.02
B284	10	10	N	300	100	N	30	N	N	N	.02
B285	5	5	N	N	30	N	30	N	1,000	N	.02
B286	10	10	N	150	100	N	30	N	10	N	.02
B287	10	10	N	200	150	N	30	N	70	N	.02
B308	10	10	N	100	70	N	30	N	300	N	.02
B322	N	N	N	100	30	N	30	N	150	N	.02
B309	5	5	N	N	70	N	30	N	200	N	.02
M697	N	N	N	150	30	N	30	N	N	N	.02
B585	<5	<5	N	N	15	N	50	N	10	N	.02
B586	15	15	N	N	70	N	30	N	70	N	.02
B583	7	7	N	<100	70	N	30	N	300	N	.02
B584	5	5	N	<100	50	N	30	N	150	N	.02
B578	N	N	N	300	70	N	30	N	200	N	.02
B579	7	7	N	N	70	N	30	N	N	N	.02
B653	7	7	N	<100	70	N	20	N	150	N	.02
B575	N	N	N	300	70	N	30	N	100	N	.02
B576	15	15	N	100	100	N	30	N	150	N	.02
B574	N	N	N	200	70	N	N	N	N	N	.02
B573	N	N	N	300	50	N	N	N	N	N	.02
M656	<5	<5	N	N	15	N	10	N	100	N	.12
EFB344	10	10	N	<100	100	N	100	N	300	--	<.02
M144	N	N	N	N	N	N	<10	N	N	N	.02
M145	N	N	N	N	<10	N	<10	N	N	N	.06
M146	<5	<5	N	<200	<10	N	<10	N	N	N	.04
B195	7	7	N	100	50	N	15	N	150	N	.05
B194	10	10	N	500	100	N	15	N	150	N	.03
B289	5	5	N	N	70	N	10	N	200	N	.06
B290	10	10	N	<100	150	N	15	N	300	N	.16
M249	10	10	N	500	100	N	15	N	150	N	.03
M250	10	10	N	300	100	N	15	N	150	N	.04
M251	10	10	N	300	150	N	15	N	150	N	.04

sample	latitude	longitude	MAP_NO.	S-FEX	S-MGX	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
M248	47 57 52	113 1 26	1,385	3.00	1.00	1.00	.500	700	N	N	N	N
M244	47 57 10	113 3 53	1,386	10.00	2.00	3.00	.700	1,500	N	N	N	N
M245	47 57 25	113 3 19	1,386	1.50	5.00	7.00	.100	1,500	N	N	N	50
M241	47 57 0	113 4 58	1,387	2.00	2.00	.70	.300	1,000	N	N	N	30
M242	47 57 4	113 4 32	1,387	3.00	7.00	15.00	.100	3,000	2.0	N	N	50
M243	47 57 5	113 4 22	1,387	3.00	5.00	7.00	.200	1,500	N	N	N	20
B295	47 57 4	113 5 46	1,388	1.00	.70	15.00	.070	150	N	N	N	N
M240	47 57 5	113 5 26	1,388	5.00	1.00	N	.300	300	N	N	N	70
M252	47 57 20	113 5 41	1,388	.15	.03	N	.200	70	N	N	N	N
M253	47 57 29	113 5 35	1,388	1.00	.30	.30	.070	500	N	N	N	30
M254	47 57 51	113 5 25	1,388	2.00	.70	.50	.150	500	N	N	N	70
M698	47 57 15	113 9 11	1,389	N	5.00	>20.00	.015	50	N	N	N	N
M696	47 57 44	113 10 43	1,390	.05	3.00	20.00	.015	50	N	N	N	N
M693	47 57 41	113 12 7	1,391	1.00	.30	.05	.070	70	N	N	N	30
M684	47 57 47	113 17 33	1,392	2.00	.70	.50	.100	700	N	N	N	N
B651	47 57 33	113 23 2	1,393	1.00	.20	.05	.050	50	N	N	N	20
B652	47 57 17	113 23 22	1,393	.70	.20	.07	.070	50	N	N	N	30
B843	47 58 51	112 47 21	1,394	<.05	.50	20.00	.010	30	N	N	N	N
M943	47 58 29	112 48 17	1,395	.70	2.00	>20.00	.030	1,000	N	N	N	N
B838	47 58 50	112 50 33	1,396	.10	7.00	15.00	.050	150	N	N	N	15
B839	47 58 20	112 50 53	1,396	<.05	3.00	>20.00	.015	20	N	N	N	N
B840	47 58 43	112 51 34	1,397	5.00	1.50	2.00	.300	300	N	N	N	100
M147	47 58 6	112 53 56	1,398	15.00	1.00	3.00	.200	5,000	N	N	N	20
M148	47 58 19	112 53 45	1,398	3.00	.30	.70	.300	500	N	N	N	30
M149	47 58 23	112 54 12	1,399	15.00	.30	.70	.150	700	N	N	N	30
M150	47 58 24	112 54 26	1,399	.15	7.00	15.00	.007	70	N	N	N	N
M151	47 58 53	112 55 8	1,400	.07	7.00	10.00	.005	70	N	N	N	N
B188	47 58 44	112 56 50	1,401	1.50	.15	.07	.150	100	N	N	N	10
B189	47 58 37	112 57 6	1,402	2.00	5.00	10.00	.200	700	N	N	N	20
B190	47 58 31	112 57 16	1,402	3.00	1.00	.50	.300	500	N	N	N	15
B191	47 58 23	112 57 25	1,402	3.00	.70	.50	.300	500	N	N	N	<10
B192	47 58 17	112 57 34	1,402	2.00	.70	15.00	.200	1,500	N	N	N	20
B193	47 58 5	112 57 44	1,402	2.00	.70	1.50	.200	1,000	N	N	N	20
M256	47 58 41	113 4 55	1,403	10.00	2.00	2.00	1.000	1,500	N	N	N	100
M257	47 58 53	113 4 29	1,403	2.00	3.00	3.00	.100	700	N	N	N	15
M258	47 58 57	113 4 11	1,403	3.00	1.50	.70	.150	1,000	N	N	N	70
M259	47 58 51	113 4 0	1,403	1.00	7.00	15.00	.010	700	N	N	N	N
M255	47 58 30	113 5 10	1,404	2.00	5.00	5.00	.100	1,000	N	N	N	70
M694	47 58 14	113 11 17	1,405	.30	7.00	15.00	.050	150	<.5	N	N	50
M701	47 58 58	113 11 54	1,405	.50	5.00	>20.00	.030	70	N	N	N	30
M692	47 58 10	113 12 52	1,406	.30	.15	<.05	.050	30	N	N	N	N
M700	47 58 39	113 12 21	1,406	3.00	1.50	.07	.070	70	N	N	N	50
M690	47 58 57	113 14 18	1,407	1.50	1.00	5.00	.300	1,500	N	N	N	50
M685	47 58 32	113 19 35	1,408	.15	1.00	20.00	.020	100	N	N	N	N
M686	47 58 55	113 19 5	1,408	.15	.03	.05	.200	50	N	N	N	N
B646	47 58 57	113 21 16	1,409	1.50	3.00	20.00	.050	700	N	N	N	N
B647	47 58 59	113 21 31	1,409	.20	.03	.10	.200	1,000	N	N	N	N
B648	47 58 59	113 21 45	1,409	3.00	.70	<.05	.150	500	N	N	N	30
B649	47 58 38	113 22 2	1,410	2.00	1.50	.10	.150	200	N	N	N	50
B650	47 58 12	113 22 7	1,410	5.00	2.00	3.00	.100	1,500	N	N	N	150

Choteau rock--continued

sample	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
M248	1,500	<1.0	N	N	10	N	100	30	N	N	N	20
M244	300	N	N	N	50	20	300	N	N	<10	50	N
M245	100	N	N	N	N	<10	50	<20	N	N	<5	15
M241	5,000	<1.0	N	N	15	70	30	30	N	N	10	10
M242	500	<1.0	N	N	15	30	50	N	N	N	10	10
M243	>5,000	N	N	N	15	50	1,500	70	N	N	15	10
B295	50	N	N	N	N	10	N	N	N	N	<5	N
M240	500	N	N	N	30	200	20	50	N	<10	70	15
M252	30	N	N	N	N	N	N	N	N	N	<5	N
M253	500	1.5	N	N	10	N	150	N	N	N	5	10
M254	700	1.0	N	N	10	20	20	20	N	N	15	10
M698	N	N	N	N	N	N	5	20	N	N	N	<10
M696	N	N	N	N	N	15	7	20	N	N	N	<10
M693	500	<1.0	N	N	N	10	30	20	N	N	10	10
M684	300	1.0	N	N	N	<10	15	50	N	N	10	15
B651	500	N	N	N	N	<10	15	<20	N	N	<5	N
B652	700	<1.0	N	N	N	<10	50	<20	N	N	5	10
B843	N	N	N	N	N	N	5	N	N	N	N	N
M943	50	N	N	N	N	N	5	N	N	N	<5	10
B838	70	N	N	N	N	15	20	N	N	N	5	N
B839	N	N	N	N	N	15	10	N	N	20	7	N
B840	200	2.0	N	N	15	70	30	20	N	<20	50	20
M147	700	3.0	N	N	7	50	15	30	<5	<10	30	15
M148	700	<1.0	N	N	20	70	50	30	N	<10	30	15
M149	500	3.0	N	N	150	100	30	N	N	<10	30	<10
M150	N	N	N	N	N	N	10	N	N	N	N	<10
M151	N	N	N	N	N	N	10	N	N	N	N	N
B188	300	<1.0	N	N	5	30	20	30	N	N	7	N
B189	700	1.5	N	N	15	50	15	N	N	<10	30	N
B190	700	1.0	N	N	15	70	30	<20	N	N	30	10
B191	500	<1.0	N	N	15	70	30	<20	N	<10	30	10
B192	300	N	N	N	10	70	7	30	15	<10	30	N
B193	200	1.0	N	N	7	70	5	30	N	10	20	10
M256	1,500	3.0	N	N	50	50	300	30	N	<10	20	20
M257	300	N	N	N	15	10	30	20	N	N	15	10
M258	200	<1.0	N	N	20	30	20	30	<5	N	20	10
M259	<20	N	N	N	N	N	20	N	N	N	N	10
M255	5,000	2.0	N	N	10	15	30	20	N	N	15	<10
M694	30	<1.0	N	N	N	10	7	20	N	N	7	15
M701	30	N	N	N	N	10	7	N	N	N	10	10
M692	3,000	<1.0	N	N	N	N	10	20	N	N	5	N
M700	700	1.0	N	N	10	20	15	20	N	N	30	10
M690	2,000	1.0	N	N	N	30	30	70	N	N	5	15
M685	N	N	N	N	N	N	5	N	N	N	N	15
M686	<20	N	N	N	N	N	5	20	N	N	N	N
B646	70	<1.0	N	N	<5	20	10	N	N	N	5	30
B647	50	N	N	N	N	<10	20	30	N	N	5	N
B648	200	<1.0	N	N	20	20	100	20	N	N	15	20
B649	300	1.0	N	N	5	30	15	20	N	N	10	15
B650	300	5.0	N	N	10	30	200	30	N	N	15	50

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
M248	N	15	N	500	150	N	20	N	150	N	.04
M244	N	50	N	200	200	N	50	N	150	N	.04
M245	N	<5	N	15	15	N	15	N	100	N	.06
M241	N	15	N	N	50	N	50	N	700	N	.02
M242	N	N	N	<100	30	N	20	N	70	N	.08
M243	N	5	N	N	100	N	30	N	300	N	.12
B295	N	N	N	300	10	N	N	N	20	N	.06
M240	N	N	N	N	100	N	20	N	150	N	.03
M252	N	N	N	N	N	N	10	N	200	N	.07
M253	N	N	N	N	20	N	15	N	70	N	.10
M254	N	5	N	N	50	N	20	N	150	N	.09
M698	N	N	N	300	30	N	10	N	10	N	<.02
M696	N	N	N	300	30	N	15	N	10	N	.02
M693	N	<5	N	N	20	N	15	N	150	N	<.02
M684	N	5	N	N	30	N	20	N	100	N	<.02
B651	N	N	N	N	20	N	30	N	50	N	.02
B652	N	<5	N	N	30	N	10	N	150	N	<.02
B843	N	N	N	300	30	N	10	N	N	N	.02
M943	N	N	N	300	30	N	N	N	N	N	.06
B838	N	<5	N	N	30	N	N	N	50	N	.04
B839	N	N	N	200	30	N	10	N	10	N	.04
B840	N	20	N	150	150	N	20	N	150	N	.02
M147	N	10	N	<100	70	N	30	N	150	N	.50
M148	N	15	N	700	150	N	30	N	150	N	.10
M149	N	<10	N	<100	150	N	30	700	100	N	3.00
M150	N	N	N	150	N	N	N	N	N	N	.02
M151	N	N	N	100	N	N	N	N	N	N	.02
B188	N	5	N	N	70	N	<10	N	70	N	.04
B189	N	N	N	300	70	N	20	N	300	N	.22
B190	N	15	N	300	100	N	15	N	200	N	.07
B191	N	15	N	300	150	N	15	N	100	N	.06
B192	N	N	N	<300	100	N	15	N	N	N	.14
B193	N	10	N	<100	70	N	15	N	150	N	.07
M256	N	50	N	<150	150	N	100	N	300	N	.10
M257	N	5	N	N	20	N	15	N	70	N	.16
M258	N	N	N	N	30	N	20	N	200	N	.13
M259	N	N	N	N	N	N	<10	N	N	N	.04
M255	N	<5	N	N	50	N	15	N	150	N	.12
M694	N	<5	N	100	50	N	10	N	30	N	<.02
M701	N	<5	N	150	30	N	N	N	10	N	.04
M692	N	<5	N	N	10	N	N	N	70	N	<.02
M700	N	5	N	N	50	N	20	N	70	N	.02
M690	N	7	N	150	30	N	50	N	500	N	<.02
M685	N	N	N	300	50	N	N	N	10	N	<.02
M686	N	<5	N	700	20	N	N	<200	1,000	N	.06
B646	N	5	N	N	50	N	<10	N	20	N	.02
B647	N	5	N	N	15	N	20	N	150	N	.02
B648	N	7	N	N	50	N	30	N	200	N	.02
B649	N	5	N	N	70	N	30	N	100	N	<.02
B650	N	15	N	N	150	N	70	N	100	N	.02

Choteau rock--continued

sample	latitude	longitude	MAP_NO.	S-FEX	S-MGX	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B
B656	47 58 37	113 25 2	1,411	5.00	2.00	.30	.300	300	N	N	N	300
B657	47 58 11	113 25 37	1,411	2.00	.70	.10	.200	150	N	N	N	70
B658	47 58 7	113 26 33	1,412	.20	.50	>20.00	.015	300	N	N	N	N
M756A	47 58 18	113 30 22	1,413	1.00	10.00	>20.00	.070	1,000	N	N	N	10
B588	47 58 38	113 33 18	1,414	3.00	5.00	5.00	.150	100	N	N	N	100
EFB326	47 59 0	112 38 0	1,415	3.00	.50	<.05	.500	30	S	N	N	200
EFB327	47 59 0	112 38 0	1,415	1.50	.70	<.05	.500	100	N	N	N	200
B841	47 59 24	112 50 18	1,416	.70	.15	.30	.500	300	N	N	N	50
M159	47 59 13	112 53 51	1,417	1.50	.20	.30	.300	200	N	N	N	20
M160	47 59 4	112 53 44	1,417	1.50	.10	.07	.100	30	N	N	N	10
B181	47 59 17	112 55 15	1,418	<.05	.50	20.00	.010	N	N	N	N	N
M152	47 59 16	112 55 2	1,418	.15	7.00	10.00	.007	300	N	N	N	15
B185	47 59 34	112 56 34	1,419	N	7.00	15.00	.007	200	N	N	N	N
B186	47 59 23	112 56 45	1,419	5.00	1.00	2.00	.500	100	N	N	N	20
B187	47 59 5	112 56 45	1,419	1.00	.30	.15	.150	100	N	N	N	15
B216	47 59 29	113 0 52	1,420	1.50	.20	.15	.150	100	N	N	N	10
B222	47 59 14	113 0 39	1,420	3.00	.50	.20	.300	700	N	N	N	20
B220	47 59 33	113 2 12	1,421	3.00	.70	.50	.200	700	N	N	N	10
B221	47 59 22	113 2 24	1,421	3.00	.70	.70	.300	30	N	N	N	10
B294	47 59 58	113 8 27	1,422	.10	7.00	15.00	.010	70	N	N	N	N
M688	47 59 33	113 16 28	1,423	2.00	.50	.07	.200	100	N	N	N	50
M689	47 59 8	113 16 19	1,423	3.00	1.00	.10	.200	150	N	N	N	30
M687	47 59 23	113 18 19	1,424	1.50	.50	.30	.150	15	N	N	N	30
M725	47 59 59	113 21 35	1,425	.10	<.02	<.05	.100	700	N	N	N	N
M655	47 59 0	113 24 27	1,426	3.00	3.00	1.50	.300	300	N	N	N	70
M757	47 59 46	113 30 53	1,427	1.00	1.50	>20.00	.070	300	N	N	N	20
M758	47 59 27	113 31 22	1,428	1.00	1.50	>20.00	.070	30	N	N	N	15
M759	47 59 11	113 31 51	1,428	.15	1.50	>20.00	.015	300	N	N	N	N
EFB325	48 0 0	112 44 0	1,429	3.00	1.00	.50	.500	300	N	N	N	200

sample	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
B656	700	3.0	N	N	15	50	30	70	N	N	20	20
B657	300	1.0	N	N	7	50	70	30	N	N	15	20
B658	N	N	N	N	N	N	10	N	N	N	N	10
M756A	70	<1.0	N	N	N	30	15	N	N	N	30	15
B588	300	1.0	N	N	15	20	20	70	N	N	20	N
EFB326	1,000	5.0	N	N	10	100	30	--	<5	N	50	30
EFB327	700	5.0	N	N	5	100	20	--	N	N	30	20
B841	150	<1.0	N	N	N	70	50	30	N	N	5	N
M159	150	1.0	N	N	N	70	5	<20	N	10	<5	<10
M160	300	1.0	N	N	N	20	15	30	N	N	<5	<10
B181	N	N	N	N	N	N	5	N	N	N	N	N
M152	N	N	N	N	N	N	15	N	N	N	N	10
B185	N	N	N	N	N	10	5	N	N	N	N	N
B186	150	<1.0	N	N	10	200	15	100	N	N	10	20
B187	300	<1.0	N	N	7	30	10	20	N	20	15	<10
B216	150	<1.0	N	N	5	15	N	N	N	N	15	N
B222	300	<1.0	N	N	10	70	5	30	N	N	20	N
B220	1,000	N	N	N	15	50	10	N	7	N	30	N
B221	300	N	N	N	15	70	20	N	N	N	30	N
B294	N	N	N	N	N	N	N	N	N	N	N	N
M688	300	1.5	N	N	N	20	20	30	N	N	5	15
M689	300	1.5	N	N	5	30	20	30	N	N	15	20
M687	300	2.0	N	N	N	15	7	20	N	N	5	10
M725	N	N	N	N	N	N	5	20	N	N	<5	N
M655	700	1.0	N	N	15	70	5	30	N	N	30	N
M757	50	N	N	N	<5	30	5	N	N	N	7	10
M758	70	<1.0	N	N	5	30	5	N	N	N	7	10
M759	N	N	N	N	N	N	7	N	N	N	N	<10
EFB325	500	5.0	N	N	20	200	30	--	N	N	70	30

Choteau rock--continued

sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	AA-AU-P	INST-HG
B656	N	15	N	N	100	N	30	N	200	N	.02
B657	N	5	N	N	70	N	20	N	150	N	.02
B658	N	N	N	200	70	N	N	N	N	N	<.02
M756A	N	<5	N	150	70	N	10	N	30	N	<.02
B588	N	15	N	N	70	N	50	N	150	N	<.02
EFB326	N	15	N	100	200	N	20	N	150	--	.12
EFB327	N	15	N	100	200	N	15	N	100	--	.02
B841	N	7	N	50	50	N	30	N	100	N	.04
M159	N	<5	N	70	70	N	15	N	700	N	.06
M160	N	<5	N	N	N	N	20	N	500	N	.06
B181	N	N	N	200	N	N	N	N	N	N	.16
M152	N	N	N	N	10	N	N	N	N	N	.02
B185	N	N	N	100	<10	N	50	N	>1,000	N	.06
B186	N	15	N	200	300	N	15	N	100	N	.26
B187	N	5	N	N	150	N	10	N	150	N	.04
B216	N	5	N	N	50	N	10	N	200	N	.04
B222	N	10	N	N	70	N	20	N	70	N	.05
B220	N	15	N	700	100	N	15	N	100	N	.09
B221	N	15	N	200	100	N	15	N	N	N	.02
B294	N	N	N	100	N	N	20	N	150	N	.02
M688	N	7	N	N	50	N	15	N	150	N	<.02
M689	N	10	N	N	70	N	15	N	150	N	.02
M687	N	5	N	N	30	N	15	N	50	N	.02
M725	N	<5	N	N	10	N	N	N	200	N	.04
M655	N	15	N	<100	70	N	30	N	30	N	.02
M757	N	<5	N	300	70	N	15	N	20	N	.02
M758	N	<5	N	200	70	N	10	N	20	N	.02
M759	N	N	N	300	30	N	N	N	N	N	.02
EFB325	N	10	N	100	150	N	20	N	100	--	<.02