

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Coordinates for and analytical values of 486 rock,
771 stream sediment and soil, and 784 panned-concentrate samples
included in the Butte 1° x 2° quadrangle between the
latitudes of 46°00'00" and 46°30'00" N., and the
longitudes of 113°30'00" and 114°00'00" W.

by

W. L. Campbell, S. K. McDana1, and R. T. Hopkins, Jr.

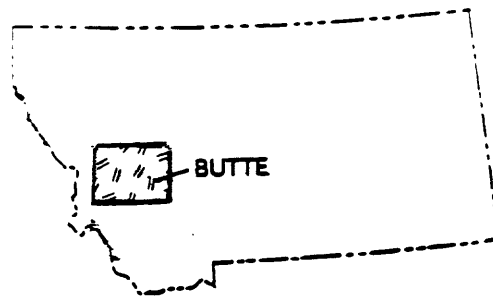
Open-File Report 82-617-*F*

1982

Chapter F

This report is preliminary and had not been reviewed for
conformity with U.S. Geological Survey Editorial standards

STUDY AREA



ANALYSES OF SAMPLES AVAILABLE AS OF JUNE, 1982

BUTTE 1° x 2° CUSMAP QUADRANGLE

<p>B</p> <p>221 r 494 s 261 p</p>	<p>C</p> <p>109 r 377 s 237 p</p>	<p>D</p> <p>21 r 158 s 91 p</p>	<p>E</p> <p>43 r 19 p</p>	<p>47°00'</p>
<p>F</p> <p>486 r 711 s 784 p</p>	<p>G</p> <p>322 r 327 s 369 p</p>	<p>H</p> <p>78 r 275 s 220 p</p>	<p>I</p> <p>30 r 7 p</p>	<p>46°30'</p>
<p>114°00'</p>	<p>113°30'</p>	<p>113°00'</p>	<p>112°30'</p>	<p>112°00'</p>

FIGURE 1. Chart of samples analyzed and location
map of study area

CHAPTER F

LATITUDE 46°00'-46°30' LONGITUDE 113°30'-114°00'

TABLE 1. ROCK SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1° X 2° CUSMAP QUADRANGLE, MONTANA (continued)

SAMPLE	LATITUDE	LONGITUDE	S-FEX	S-MGX	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE
79CW25	46 7 41	113 40 20	1.50	.50	1.00	.150	500	N	N	N	10	700	1.5
79CW26	46 7 41	113 40 20	.70	.07	.20	.030	100	<.5	N	N	10	20	5.0
79CW27	46 7 41	113 40 20	3.00	.70	<.05	.150	200	N	N	N	30	1,000	3.0
79LH1	46 1 49	113 40 50	2.00	.70	1.50	.200	500	N	N	N	N	700	1.5
80083	46 7 29	113 54 51	7.00	7.00	7.00	.700	1,000	N	N	N	N	500	N
80088	46 7 10	113 54 51	2.00	7.00	10.00	.150	700	N	N	N	10	N	1.0
80118	46 20 27	113 54 41	7.00	7.00	15.00	.500	500	N	N	N	70	500	1.5
80134	46 12 12	113 54 48	.70	.20	.10	.100	10	N	N	N	<10	200	1.0
80197	46 9 22	113 54 48	2.00	1.00	2.00	.200	700	N	N	N	N	700	1.5
802168	46 19 26	113 53 20	.30	.30	<.05	.030	10	N	N	N	15	70	1.0
80268	46 12 30	113 54 48	1.50	3.00	7.00	.200	1,000	N	N	N	<10	70	1.0
80272	46 26 5	113 53 59	5.00	10.00	7.00	.500	1,000	N	N	N	N	500	1.5
80302A	46 11 10	113 46 4	.70	.70	<.05	.100	70	N	N	N	<10	500	1.5
80332B	46 22 42	113 54 39	1.00	.30	2.00	.150	500	.5	N	N	10	200	1.5
80342	46 5 46	113 53 32	1.50	1.00	.70	.100	1,000	N	N	N	15	700	1.5
80344.9A	46 5 46	113 53 29	3.00	7.00	10.00	.300	1,000	N	N	N	10	1,500	2.0
80349B	46 5 46	113 53 29	2.00	10.00	10.00	.150	2,000	N	N	N	N	500	1.5
80374	46 28 57	113 46 12	1.50	1.00	1.50	.200	700	N	N	N	N	1,000	2.0
80395	46 12 19	113 46 29	2.00	1.00	1.50	.200	500	N	N	N	<10	700	1.5
80404A	46 21 16	113 46 16	1.50	.50	1.00	.100	500	N	N	N	N	1,500	1.5
80414B	46 2 15	113 46 18	3.00	.03	<.05	.015	20	30.0	N	N	10	70	1.5
80414C	46 2 15	113 46 18	.70	.20	.70	.070	300	N	N	N	<10	1,000	2.0
80449	46 15 35	113 53 22	2.00	3.00	3.00	.300	200	N	N	N	10	500	2.0
80467	46 14 37	113 46 38	3.00	5.00	3.00	.200	200	N	N	N	100	1,000	1.5
80475B	46 2 59	113 54 33	2.00	5.00	7.00	.200	1,500	<.5	N	N	70	3,000	2.0
80491	46 7 56	113 46 44	5.00	2.00	3.00	.500	1,000	N	N	N	10	1,000	1.0
80496	46 7 53	113 46 42	1.50	.50	2.00	.150	300	N	N	N	10	1,000	1.5
80512	46 1 26	113 46 42	1.50	.30	.05	.150	70	N	N	N	30	1,000	2.0
80516	46 28 49	113 53 35	2.00	.70	1.50	.150	700	N	N	N	N	700	2.0
80542	46 25 43	113 53 42	1.00	.70	.10	.100	150	N	N	N	N	500	1.5
80556	46 25 51	113 53 24	10.00	5.00	7.00	.700	2,000	7.0	N	N	N	1,500	<1.0
80634	46 26 47	113 39 31	.30	.10	<.05	.030	10	N	N	N	10	300	<1.0
80635	46 26 30	113 39 31	1.50	.70	<.05	.200	70	N	N	N	100	500	1.5
80645	46 15 2	113 54 43	1.50	1.00	2.00	.150	500	1.5	N	N	N	700	2.0
80653	46 16 12	113 53 38	2.00	2.00	10.00	.200	300	N	N	N	30	70	1.5
80658	46 22 57	113 54 38	.10	.02	.15	.150	70	N	N	N	N	N	<1.0
80671	46 25 58	113 53 21	.50	.50	.07	.030	30	N	N	N	20	300	1.0
80713	46 20 59	113 46 21	3.00	1.50	2.00	.300	1,000	N	N	N	N	700	1.5
80720	46 14 25	113 46 29	5.00	2.00	2.00	.300	1,000	N	N	N	<10	1,000	1.5
80725	46 20 59	113 46 24	3.00	1.00	1.00	.300	300	N	N	N	10	1,000	2.0
80732	46 6 41	113 52 55	.07	.07	.10	.007	150	N	N	N	N	100	5.0
80DL14	46 11 2	113 43 20	.07	.03	.10	.015	1,500	N	N	N	N	N	2.0
80DL21	46 1 41	113 54 33	7.00	7.00	7.00	.700	1,500	N	N	N	10	150	N
80DL24A	46 7 57	113 46 23	3.00	7.00	7.00	.200	1,000	N	N	N	70	700	1.5
80DL24C	46 7 57	113 46 23	2.00	7.00	7.00	.200	1,000	N	N	N	70	700	1.5

CHAPTER F

LATITUDE 46°00'-46°30' LONGITUDE 113°30'-114°00'

TABLE 1. ROCK SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1° x 2° CUSMAP QUADRANGLE, MONTANA (continued)

SAMPLE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-W
79CW25	N	N	5	<10	<5	20	N	N	5	50	N	7	N	200	30	N
79CW26	N	N	<5	<10	<5	<20	N	<20	5	30	N	10	N	N	20	N
79CW27	N	N	<5	10	<5	N	30	<20	5	70	N	10	50	<100	150	<50
79LH1	N	N	7	10	5	30	N	<20	7	30	N	7	N	300	50	N
80083	N	N	70	700	30	<20	N	N	150	<10	N	50	N	500	500	N
80088	N	N	10	30	N	30	N	N	10	N	N	10	N	N	30	N
80118	N	N	7	70	<5	30	N	N	30	<10	N	15	15	N	70	N
80134	N	N	<5	50	<5	20	N	<20	<5	<10	N	<5	N	N	15	N
80197	N	N	7	20	<5	50	N	N	10	20	N	7	N	300	70	N
80216B	N	N	5	15	<5	20	N	N	7	<10	N	N	N	N	10	N
80268	N	N	5	30	30	30	N	N	7	<10	N	5	N	<100	30	N
80272	N	N	7	100	15	50	N	<20	15	<10	N	15	N	N	70	N
80302A	N	N	5	N	<5	<20	N	<20	7	15	N	<5	N	N	15	N
80332B	N	N	<5	N	100	30	N	N	<5	<10	N	<5	N	<100	70	N
80342	N	N	<5	20	<5	20	N	N	5	<10	N	5	N	N	20	N
803449A	N	N	7	70	10	50	N	<20	20	10	N	15	N	100	70	N
80349B	N	N	7	30	N	20	N	<20	5	15	N	5	N	100	20	N
80374	N	N	7	30	5	30	N	N	5	30	N	7	N	500	50	N
80395	N	N	5	30	<5	50	N	N	7	20	N	7	N	500	70	N
80404A	N	N	5	10	<5	20	N	N	5	30	N	5	N	300	15	N
80414B	100	N	N	10	300	<20	7	N	5	700	N	<5	N	N	20	N
80414C	N	N	N	10	<5	20	N	N	<5	150	N	N	N	300	15	N
80449	N	N	5	70	30	30	N	<20	10	20	N	10	N	N	70	N
80467	N	N	7	70	20	50	N	N	15	30	N	15	N	N	50	N
80475B	N	N	10	70	200	50	N	N	10	20	N	15	N	N	70	N
80491	N	N	15	50	20	50	N	N	10	15	N	15	N	500	150	N
80496	N	N	5	10	<5	50	N	N	5	<10	N	5	N	500	30	N
80512	N	N	5	20	<5	20	N	N	5	<10	N	<5	N	N	30	N
80516	N	N	5	10	<5	<20	N	<20	5	50	N	5	N	200	30	N
80542	N	N	5	30	<5	20	N	N	7	15	N	<5	N	<100	30	N
80556	100	N	50	150	15,000	20	70	N	50	10	N	50	N	200	700	N
80634	N	N	N	15	5	20	N	N	5	<10	N	N	N	N	10	N
80635	N	N	7	20	<5	20	N	N	10	10	N	<5	N	N	30	N
80645	N	N	7	20	<5	30	N	N	5	30	N	7	N	500	50	N
80653	N	N	7	50	5	30	N	<20	10	N	N	7	N	N	50	N
80658	N	N	<5	10	<5	<20	N	N	<5	N	N	N	N	N	15	N
80671	N	N	<5	10	<5	20	N	N	5	10	N	N	N	N	10	N
80713	N	N	10	10	10	20	N	N	5	15	N	15	N	500	100	N
80720	N	N	10	10	7	20	N	N	5	20	N	10	N	500	100	N
80725	N	N	7	50	7	30	N	N	20	50	N	5	N	200	50	N
80732	N	N	N	<10	<5	20	N	<20	5	20	N	N	N	N	<10	N
80DL14	N	N	N	<10	<5	<20	N	30	5	20	N	15	N	N	<10	N
80DL21	N	N	30	500	150	<20	N	N	200	20	N	30	N	100	200	N
80DL24A	N	N	7	30	<5	30	N	N	15	15	N	7	N	N	30	N
80DL24C	N	N	20	30	<5	30	N	N	30	50	N	7	N	N	30	N

CHAPTER F
LATITUDE 46°00'-46°30' LONGITUDE 113°30'-114°00'

TABLE 1. ROCK SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°x2° CUSMAP QUADRANGLE, MONTANA (continued)

SAMPLE	S-Y	S-ZN	S-ZR	S-TH	AA-AU	AA-CU	AA-PB	AA-ZN	AA-AG	AA-CD	AA-BI	AA-SB
79CW25	30	N	50	N	--	1	8	2	<.05	.20	N	N
79CW26	10	N	20	N	--	1	5	1	<.05	.17	N	N
79CW27	N	N	30	N	--	1	6	5	.11	.31	N	N
79LH1	20	N	100	N	--	2	5	6	N	.26	N	N
80083	30	N	30	N	<.05	14	<1	1	<.05	.10	<1.0	<1
80088	30	N	150	N	<.05	1	1	2	<.05	.05	<1.0	<1
80118	50	N	150	N	<.05	<1	<1	1	<.05	.05	<1.0	1
80134	20	N	100	N	<.05	1	1	1	<.05	.05	<1.0	1
80197	20	N	100	N	<.05	2	5	9	<.05	.15	<1.0	<1
80216B	<10	N	200	N	<.05	1	1	1	<.05	.05	<1.0	1
80268	30	N	150	N	<.05	39	1	<1	<.05	.10	<1.0	<1
80272	30	N	150	N	<.05	9	1	1	<.05	<.05	<1.0	1
80302A	N	N	150	N	<.05	1	<1	1	<.05	.05	<1.0	1
80332B	20	N	50	N	<.05	110	<1	23	.35	.10	<1.0	<1
80342	15	N	50	N	<.05	1	1	3	<.05	.10	<1.0	<1
803449A	50	N	150	N	<.05	6	2	2	.05	.10	<1.0	<1
80349B	30	N	70	N	<.05	1	5	2	.05	.10	<1.0	<1
80374	15	N	150	N	<.05	3	1	6	<.05	.05	<1.0	<1
80395	20	N	30	N	<.05	1	1	5	.05	.15	<1.0	<1
80404A	15	N	30	N	<.05	2	2	12	<.05	.15	<1.0	<1
80414B	N	200	<10	N	4.50	>100	>1,000	>100	>25.00	.35	62.0	7
80414C	10	200	50	N	<.05	3	.95	86	.15	.25	<1.0	<1
80449	30	N	200	N	<.05	25	3	3	.05	.10	<1.0	<1
80467	30	N	200	N	<.05	13	4	2	.05	.05	<1.0	<1
80475B	30	N	150	N	<.05	>100	2	2	.20	.05	<1.0	<1
80491	20	N	100	N	<.05	8	3	10	.05	.05	<1.0	<1
80496	<10	N	20	N	<.05	2	2	3	<.05	.10	<1.0	<1
80512	20	N	150	N	<.05	1	1	1	<.05	.05	<1.0	1
80516	15	N	100	N	<.05	2	2	5	<.05	.10	<1.0	<1
80542	15	N	150	N	<.05	1	1	1	<.05	.10	<1.0	<1
80556	70	N	70	N	1.40	>100	2	3	3.80	.20	56.0	<1
80634	10	N	50	N	<.05	4	1	2	<.05	.05	<1.0	<1
80635	<10	N	150	N	<.05	5	1	1	<.05	.05	<1.0	<1
80645	20	N	100	N	<.05	2	3	6	<.05	.05	<1.0	<1
80653	30	N	150	N	<.05	4	1	1	<.05	.05	<1.0	1
80658	<10	N	150	N	<.05	3	<1	1	<.05	.05	<1.0	<1
80671	<10	N	50	N	<.05	2	1	1	<.05	<.05	<1.0	<1
80713	20	N	70	N	<.05	3	1	10	<.05	.05	<1.0	<1
80720	20	N	150	N	<.05	4	2	10	<.05	<.05	<1.0	<1
80725	<10	N	150	N	<.05	2	9	15	<.05	.10	<1.0	<1
80732	N	N	15	N	<.05	2	1	1	.05	.05	<1.0	<1
80DL14	70	N	70	N	<.05	1	1	1	<.05	<.05	<1.0	<1
80DL21	20	N	100	N	<.05	65	2	2	<.05	.05	<1.0	1
80DL24A	30	N	150	N	<.05	2	2	1	<.05	.05	<1.0	1
80DL24C	30	N	200	N	<.05	3	13	2	<.05	.10	<1.0	1

CHAPTER F

LATITUDE 46°00'-46°30' LONGITUDE 113°30'-114°00'

TABLE 1. ROCK SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1° X 2° CUSMAP QUADRANGLE, MONTANA (continued)

SAMPLE	LATITUDE	LONGITUDE	S-FEZ	S-MGZ	S-CAX	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE
80DL25	46 11 9	113 46 27	5.00	3.00	5.00	.300	1,500	N	N	N	N	500	1.5
80DL29	46 2 40	113 53 40	1.50	1.50	.20	.300	150	N	N	N	70	500	1.5
80DL33	46 29 12	113 53 19	1.50	1.00	1.50	.200	300	N	N	N	N	1,500	1.5
80DL36	46 16 9	113 53 19	1.50	.70	.10	.300	500	N	N	N	200	150	3.0
80DL41A	46 25 48	113 46 20	1.50	1.50	.07	.150	100	N	N	N	150	700	2.0
80DL41B	46 25 48	113 46 20	2.00	1.50	.10	.300	150	N	N	N	200	700	2.0
80DL42	46 19 11	113 46 23	2.00	1.50	.15	.300	100	N	N	N	200	700	1.5
80DL43	46 5 54	113 46 27	3.00	1.50	2.00	.300	1,000	N	N	N	N	1,000	1.5
80DL48	46 22 21	113 54 36	2.00	1.50	2.00	.200	1,000	N	N	N	10	700	1.5
80DL55	46 6 30	113 54 49	2.00	1.00	1.50	.200	700	N	N	N	N	1,000	1.5
80DL56	46 23 36	113 54 36	2.00	1.50	2.00	.300	1,000	N	N	N	N	700	1.5
80DL58	46 12 50	113 54 46	.15	.30	.50	.100	100	N	N	N	10	100	2.0
80DL59	46 28 21	113 54 34	10.00	7.00	7.00	.700	1,500	N	N	N	N	150	<1.0
80DL62	46 7 38	113 43 40	1.50	.70	1.50	.150	700	N	N	N	N	700	1.5
80DL64	46 12 40	113 46 17	1.50	.70	2.00	.150	700	N	N	N	N	700	2.0
80DL66	46 29 15	113 46 2	1.50	1.00	1.50	.150	700	N	N	N	10	1,000	2.0
80DL71	46 11 17	113 46 35	2.00	3.00	7.00	.150	1,000	N	N	N	10	500	1.5
80DL77	46 25 53	113 53 58	.30	.20	.30	.070	100	<.5	N	N	N	500	2.0
80DL78	46 9 23	113 53 56	3.00	1.50	3.00	.300	1,500	N	N	N	N	1,000	1.5
80DL81	46 28 58	113 53 48	3.00	.70	2.00	.300	700	N	N	N	N	1,000	2.0
80DL84	46 12 19	113 53 49	.15	.07	.70	.007	20	N	N	N	N	30	2.0
80DL85	46 28 46	113 53 41	.50	.10	.70	.200	200	<.5	N	N	N	50	1.0
80DL87	46 18 54	113 53 42	.15	.07	1.00	.020	150	N	N	N	N	150	2.0
80SM4	46 7 45	113 46 33	10.00	3.00	3.00	1.000	1,500	N	N	N	10	500	1.0
80SM6	46 4 28	113 46 19	3.00	3.00	2.00	.300	1,000	N	N	N	100	700	1.5
ALD01606R	46 29 20	113 37 15	1.50	.20	<.05	.150	70	N	N	N	10	500	1.5
ALD0132R	46 28 59	113 33 35	3.00	.15	<.05	.200	150	N	N	N	150	500	1.0
ALD0133R	46 28 59	113 33 35	3.00	1.00	.20	1.000	300	N	N	N	700	1,500	<1.0
ALD0134R	46 28 37	113 33 35	2.00	.30	<.05	.200	70	N	N	N	700	700	2.0
ALD0135R	46 27 55	113 34 5	1.00	.20	<.05	.100	150	N	N	N	300	500	1.5
ALD0136R	46 27 9	113 34 17	1.50	.30	<.05	.150	200	N	N	N	200	700	3.0
ALD0137R	46 26 30	113 34 57	1.50	.30	<.05	.150	200	N	N	N	500	500	2.0
ALD0138R	46 25 56	113 35 23	3.00	1.50	.30	.500	300	N	N	N	500	500	3.0
ALD0139R	46 25 48	113 35 24	2.00	.70	1.50	.300	700	N	N	N	70	2,000	2.0
ALD0140R	46 25 31	113 35 42	.70	.20	<.05	.100	50	N	N	N	70	500	1.5
ALD0142R	46 24 39	113 37 6	1.50	.70	.10	.150	1,000	N	N	N	150	500	2.0
ALD0144R	46 23 14	113 36 51	2.00	1.00	.15	.300	300	N	N	N	200	500	1.5
ALD0147R	46 29 53	113 33 2	7.00	.10	2.00	.050	300	<.5	N	N	15	200	1.0
ALD0524R	46 26 5	113 37 12	3.00	1.00	.30	.300	300	N	N	N	300	1,500	3.0
ALD0525R	46 26 14	113 36 55	3.00	.70	.15	.300	200	N	N	N	300	700	2.0
ALD0526R	46 26 19	113 36 43	3.00	1.00	.15	.500	200	N	N	N	300	1,000	3.0
ALD0527R	46 26 43	113 36 20	3.00	.70	.50	.500	500	N	N	N	500	1,500	5.0
ALD0528R	46 27 1	113 36 1	.70	.20	<.05	.070	70	<.5	N	N	150	1,000	1.0
ALD0529R	46 27 8	113 35 54	.70	.30	<.05	.070	50	N	N	N	150	1,000	1.5
ALD0539R	46 25 49	113 37 5	2.00	1.00	.10	.100	100	N	N	N	50	500	3.0

CHAPTER F

LATITUDE 46°00'-48°30' LONGITUDE 113°30'-114°00'

TABLE 1. ROCK SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1° X 2° CUSMAP QUADRANGLE, MONTANA (continued)

SAMPLE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-W
80DL25	N	N	15	30	20	20	N	N	10	10	N	20	N	700	150	N
80DL29	N	N	5	50	<5	20	N	N	7	<10	N	<5	N	N	50	N
80DL33	N	N	N	N	10	30	N	N	<5	10	N	<5	N	300	20	N
80DL36	N	N	<5	30	<5	20	N	N	10	N	N	7	N	N	50	N
80DL41A	N	N	5	10	<5	20	N	N	15	10	N	<5	N	N	20	N
80DL41B	N	N	5	30	<5	30	N	N	15	<10	N	5	N	N	70	N
80DL42	N	N	5	50	<5	30	N	N	10	<10	N	<5	N	N	30	N
80DL43	N	N	7	20	<5	20	N	N	10	30	N	7	N	300	70	N
80DL48	N	N	7	10	<5	20	N	N	7	30	N	7	N	500	70	N
80DL55	N	N	7	20	<5	20	N	N	7	30	N	5	N	300	50	N
80DL56	N	N	7	15	5	30	N	N	7	20	N	7	N	300	70	N
80DL58	N	N	<5	10	N	20	N	N	<5	10	N	<5	N	<100	10	N
80DL59	N	N	50	300	150	<20	N	N	150	<10	N	30	N	150	300	N
80DL62	N	N	5	15	5	20	N	N	<5	30	N	<5	N	300	30	N
80DL64	N	N	5	10	<5	20	N	N	7	30	N	5	N	300	30	N
80DL66	N	N	5	10	<5	<20	N	N	7	30	N	5	N	300	30	N
80DL71	N	N	5	20	<5	<20	N	N	10	30	N	5	N	<100	20	N
80DL77	N	N	<5	10	N	20	N	N	<5	<10	N	<5	N	150	<10	N
80DL78	N	N	5	10	5	30	N	N	N	15	N	5	N	1,000	30	N
80DL81	N	N	7	<10	5	50	N	N	5	30	N	5	N	500	70	N
80DL84	N	N	N	N	5	N	N	N	5	30	N	N	N	N	<10	N
80DL85	N	N	10	30	3,000	20	N	N	5	<10	N	5	N	N	20	N
80DL87	N	N	N	<10	30	<20	N	N	5	30	N	N	N	100	<10	N
80SM4	N	N	15	<10	20	<20	N	N	7	20	N	20	N	500	200	N
80SM6	N	N	10	150	20	20	N	N	70	30	N	7	N	500	70	N
AC01606R	N	N	<5	50	5	20	15	N	<5	15	N	5	N	N	30	N
AL00132R	N	N	N	30	5	20	N	<20	5	20	N	5	N	N	50	N
AL00133R	N	N	<5	50	70	<20	N	<20	5	30	N	7	N	N	70	N
AL00134R	N	N	5	20	<5	20	N	<20	10	20	N	5	N	N	50	N
AL00135R	N	N	N	10	<5	20	N	N	7	20	N	<5	N	N	20	N
AL00136R	N	N	N	20	7	20	N	N	7	20	N	<5	N	N	30	N
AL00137R	N	N	N	15	<5	20	N	N	10	20	N	5	N	N	30	N
AL00138R	N	N	10	100	<5	50	N	<20	50	15	N	7	N	N	70	N
AL00139R	N	N	5	<10	<5	30	N	<20	7	30	N	5	N	300	30	N
AL00140R	N	N	5	<10	<5	<20	N	<20	7	20	N	<5	N	N	15	N
AL00142R	N	N	5	15	20	50	N	<20	10	30	N	5	N	N	30	N
AL00144R	N	N	<5	70	30	30	N	<20	7	15	N	5	N	N	50	N
AL00147R	N	N	N	<10	15	<20	100	<20	10	50	N	N	N	N	20	N
AL00524R	N	N	7	100	<5	30	N	<20	20	15	N	10	N	N	70	N
AL00525R	N	N	7	100	<5	50	N	<20	30	15	N	7	N	N	70	N
AL00526R	N	N	7	100	5	100	N	<20	30	15	N	7	N	<100	100	N
AL00527R	N	N	7	100	<5	70	N	<20	30	15	N	10	N	N	70	N
AL00528R	N	N	<5	<10	<5	20	N	N	7	30	N	N	N	N	20	N
AL00529R	N	N	<5	10	<5	20	N	N	5	30	N	<5	N	N	15	N
AL00539R	N	N	7	15	N	50	N	<20	10	15	N	<5	N	N	30	N

CHAPTER F

LATITUDE 46°00'–46°30' LONGITUDE 113°30'–114°00'

TABLE 1. ROCK SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°X2° CUSMAP QUADRANGLE, MONTANA (continued)

SAMPLE	S-Y	S-ZN	S-ZR	S-TH	AA-AU	AA-CU	AA-PB	AA-ZN	AA-AG	AA-CB	AA-BI	AA-SB
80DL25	30	N	150	N	<.05	10	2	10	-.05	-.10	<1.0	1
80DL29	10	N	300	N	<.05	1	1	1	<.05	-.05	<1.0	<1
80DL33	<10	N	70	N	<.05	4	2	3	<.05	-.05	<1.0	<1
80DL36	15	N	150	N	<.05	1	1	3	<.05	-.10	<1.0	<1
80DL41A	10	N	100	N	<.05	1	1	1	<.05	-.05	<1.0	<1
80DL41B	10	N	500	N	<.05	1	1	1	<.05	-.15	<1.0	<1
80DL42	20	N	700	N	<.05	1	<1	1	<.05	-.05	<1.0	<1
80DL43	20	N	100	N	<.05	1	1	6	<.05	-.10	<1.0	<1
80DL48	20	N	70	N	<.05	3	1	11	<.05	-.10	<1.0	<1
80DL55	30	N	100	N	<.05	2	2	6	<.05	-.05	<1.0	<1
80DL56	20	N	150	N	<.05	4	5	5	<.05	-.15	<1.0	<1
80DL58	15	N	150	N	<.05	1	1	1	<.05	-.10	<1.0	<1
80DL59	30	N	150	N	<.05	55	2	12	<.05	-.10	<1.0	<1
80DL62	20	<200	100	N	<.05	2	2	>100	-.05	-.30	<1.0	1
80DL64	20	N	70	N	<.05	2	2	6	<.05	-.15	<1.0	<1
80DL66	20	N	150	N	<.05	2	1	6	<.05	-.10	<1.0	1
80DL71	15	N	70	N	<.05	3	11	6	-.10	-.15	<1.0	<1
80DL77	20	N	100	N	<.05	1	1	2	<.05	-.10	<1.0	<1
80DL78	30	N	200	N	<.05	1	1	12	<.05	-.15	<1.0	1
80DL81	30	N	100	N	<.05	1	1	7	<.05	-.10	<1.0	1
80DL84	N	N	<10	N	<.05	1	1	1	<.05	-.10	1.0	1
80DL85	20	N	150	N	<.05	>100	2	9	-.35	-.20	<1.0	<1
80DL87	<10	N	10	N	-.50	11	1	2	<.05	-.10	1.0	<1
80SM4	50	N	150	N	<.05	5	2	15	<.05	-.05	<1.0	<1
80SM6	10	N	100	N	<.05	10	1	6	<.05	-.10	1.0	<1
ACD1606R	<10	N	200	N	--	1	2	1	-.06	<.05	1.0	<1
ALD0132R	20	N	500	N	--	N	N	3	<.05	.12	N	N
ALD0133R	N	N	700	N	--	33	N	1	-.06	-.16	N	N
ALD0134R	<10	N	150	N	--	N	N	N	<.05	.13	N	N
ALD0135R	<10	N	70	N	--	N	N	N	N	.11	N	N
ALD0136R	<10	N	70	N	--	N	1	N	N	.14	N	1
ALD0137R	<10	N	100	N	--	N	N	N	N	.17	N	N
ALD0138R	20	N	300	N	--	N	N	3	N	.20	N	N
ALD0139R	20	N	300	N	--	N	N	4	N	.24	N	N
ALD0140R	N	N	150	N	--	N	N	N	N	.16	N	N
ALD0142R	15	N	300	N	--	4	1	3	<.05	-.25	N	N
ALD0144R	20	N	700	N	--	N	N	4	N	-.23	N	N
ALD0147R	N	N	30	N	--	5	2	3	.13	-.24	N	1
ALD0524R	30	N	500	N	--	13	21	7	2.70	1.22	N	7
ALD0525R	30	N	700	N	--	8	13	5	1.90	1.05	N	5
ALD0526R	30	N	700	N	--	6	10	4	1.50	.84	N	4
ALD0527R	30	N	500	N	--	5	8	9	1.20	.84	N	3
ALD0528R	<10	N	50	N	--	4	6	2	1.00	-.64	N	3
ALD0529R	N	N	70	N	--	3	6	N	.80	.63	N	3
ALD0539R	15	N	70	N	--	3	3	N	.70	-.67	N	2

CHAPTER F

LATITUDE 46°00'–46°30' LONGITUDE 113°30'–114°00'

TABLE 1. ROCK SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°x2°CUSMAP QUADRANGLE, MONTANA (continued)

SAMPLE	LATITUDE	LONGITUDE	S-FEX	S-MGZ	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE
ALD0540R	46 25 46	113 37 17	>20.00	.20	<.05	.020	1,000	N	N	N	10	500	1.0
ALD0541R	46 25 47	113 37 27	3.00	.70	.20	.500	150	N	N	N	300	500	5.0
ALD1208R	46 27 38	113 37 17	3.00	1.50	.20	.300	200	N	N	N	500	700	3.0
ALD1209R	46 27 38	113 37 17	3.00	2.00	3.00	.300	2,000	N	N	N	200	500	1.5
ALD1214R	46 26 52	113 36 39	2.00	1.50	3.00	.300	300	N	N	N	100	500	3.0
ALD1215R	46 26 31	113 37 21	2.00	1.00	.30	.300	100	N	N	N	200	500	2.0
ALD1221R	46 23 35	113 37 16	.70	.15	.10	.150	20	N	N	N	10	700	1.5
ALD1226R	46 28 25	113 37 16	3.00	1.50	.15	.300	150	N	N	N	300	700	1.5
ALD1828R	46 27 27	113 34 58	2.00	.30	<.05	.200	50	<.5	N	N	200	1,500	2.0
ALD1829R	46 27 41	113 34 15	.70	.20	<.05	.050	200	N	N	N	150	700	1.5
ALD1830R	46 28 9	113 33 59	1.00	.20	<.05	.150	70	N	N	N	150	500	1.5
ALD1831R	46 28 16	113 34 56	3.00	.30	.05	.700	100	N	N	N	300	700	1.5
ALD1834R	46 28 41	113 35 50	1.50	.20	<.05	.100	1,000	.5	N	N	300	1,000	1.5
ALD1838R	46 29 17	113 36 18	.50	.15	<.05	.030	50	N	N	N	50	700	1.0
ALD3349R	46 25 10	113 30 34	.20	.02	<.05	.015	10	5.0	N	N	70	700	1.0
BAL2234R	46 1 17	113 52 59	5.00	3.00	10.00	.070	2,000	N	N	N	N	150	5.0
BRF2698R	46 16 27	113 48 34	.10	.20	20.00	N	100	N	N	N	N	N	N
CGL1691R	46 24 23	113 59 53	.50	.02	.70	N	70	N	N	N	N	150	1.5
CGL1692R	46 24 23	113 59 53	2.00	2.00	20.00	.200	700	N	N	N	500	500	2.0
CGL1703R	46 28 2	113 53 54	.20	.03	1.50	.010	300	N	N	N	20	>5,000	N
C0G3273R	46 17 58	113 36 42	1.50	.15	<.05	.150	30	3.0	<200	N	100	150	2.0
C0G3274R	46 17 58	113 36 42	1.00	.03	N	.050	<10	50.0	N	N	30	500	<1.0
C0G3275R	46 17 58	113 36 42	.70	.07	<.05	.100	10	5.0	N	N	70	150	1.5
C0G3315R	46 20 2	113 32 5	2.00	<.02	.30	.002	300	<.5	N	N	N	5,000	N
C0G3316R	46 20 2	113 32 5	3.00	1.50	10.00	.200	300	N	N	N	50	500	1.5
C0G3317R	46 20 3	113 32 2	5.00	.15	3.00	.003	700	N	N	N	10	700	7.0
C0G3318R	46 20 3	113 32 2	2.00	3.00	10.00	.150	500	N	N	N	N	500	1.5
C0G3321R	46 19 54	113 33 10	3.00	.02	.07	.030	100	N	N	N	<10	>5,000	1.5
C0G3322R	46 19 54	113 33 10	1.00	1.00	.15	.300	70	N	N	N	50	300	3.0
C0G3323R	46 19 49	113 33 16	5.00	.30	1.00	.150	300	5.0	500	N	70	300	2.0
C0G3381R	46 17 6	113 30 7	2.00	.02	.05	.020	70	30.0	500	N	30	100	<1.0
C0G3382R	46 17 6	113 30 7	3.00	.30	.30	.200	1,500	.5	N	N	100	300	5.0
C0G3383R	46 17 8	113 30 6	15.00	.05	.10	N	500	5.0	1,000	N	N	200	7.0
C0G5339R	46 18 7	113 30 2	.50	<.02	<.05	<.002	15	300.0	700	N	<10	3,000	N
C0G5340R	46 18 7	113 30 2	3.00	.02	.05	.015	30	15.0	500	N	<10	200	N
C0G5341R	46 18 7	113 30 2	5.00	.15	.30	.150	150	5.0	700	N	100	150	2.0
E0019A	46 23 40	113 31 10	10.00	.15	.05	.150	1,000	N	N	N	500	200	1.5
E0031C	46 24 15	113 30 35	15.00	.30	.07	.200	500	2.0	N	N	500	700	2.0
E0031D	46 24 15	113 30 35	10.00	.70	.10	.300	300	N	N	N	300	1,500	2.0
E0031E	46 24 15	113 30 35	15.00	.50	.07	.300	500	N	N	N	300	1,500	2.0
E0032A	46 24 30	113 30 50	1.50	.50	.50	.200	150	.7	N	N	100	3,000	2.0
E0033A	46 24 45	113 30 30	7.00	.10	.07	.070	150	2.0	N	N	70	100	7.0
E0033B	46 24 45	113 30 30	10.00	.07	.07	.030	150	10.0	N	N	50	200	7.0
E0033C	46 24 45	113 30 30	7.00	.07	.05	.070	70	7.0	N	N	70	1,500	7.0
E0034A	46 25 10	113 30 15	.30	.15	.20	.200	10	N	N	N	100	70	1.5

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LATITUDE 46°00'–46°30' LONGITUDE 113°30'–114°00'

TABLE 1. ROCK SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1° X 2° CUSMAP QUADRANGLE, MONTANA (continued)

SAMPLE	S-BI	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SM	S-SR	S-V	S-W
ALD0540R	N	10	<10	<5	N	N	N	70	N	N	5	N	N	50	N
ALD0541R	N	7	100	<5	50	N	<20	30	20	N	10	N	N	100	N
ALD1208R	N	7	70	<5	30	N	<20	30	10	N	10	N	N	70	N
ALD1209R	N	10	100	<5	20	N	<20	50	10	N	7	N	<100	30	N
ALD1214R	N	5	100	N	20	N	<20	20	<10	N	7	N	N	50	N
ALD1215R	N	7	70	<5	20	N	<20	30	<10	N	7	N	N	50	N
ALD1221R	N	<5	30	<5	20	N	N	5	10	N	<5	N	N	20	N
ALD1226R	N	10	70	<5	20	N	<20	30	10	N	7	N	N	70	N
ALD1828R	N	<5	15	<5	20	N	<20	5	20	N	<5	N	N	30	N
ALD1829R	N	N	10	<5	20	N	N	5	20	N	<5	N	N	15	N
ALD1830R	N	N	15	<5	20	N	<20	7	15	N	5	N	N	20	N
ALD1831R	N	5	100	<5	<20	N	<20	7	20	N	5	N	N	100	N
ALD1834R	N	<5	20	<5	<20	N	<20	5	20	N	<5	N	N	30	N
ALD1838R	N	<5	10	N	20	N	<20	5	15	N	<5	N	N	10	N
ALD3349R	N	7	10	20	20	N	N	10	10	100	N	N	N	15	N
BAL2234R	N	7	<10	<5	20	N	N	<5	10	N	5	20	100	20	N
BRF2698R	N	N	N	<5	<20	N	N	N	20	N	N	N	200	<10	N
CGL1691R	N	<5	15	5	20	N	N	5	20	N	N	N	N	20	N
CGL1692R	N	7	50	7	100	N	N	7	10	N	10	N	<100	50	N
CGL1703R	N	N	10	<5	70	N	N	N	<10	N	5	N	>5,000	10	N
COG3273R	N	N	15	5	20	N	<20	5	10	N	5	N	N	30	N
COG3274R	N	5	<10	10	<20	<5	N	5	30	<100	5	N	N	10	N
COG3275R	N	<5	15	<5	20	<5	N	5	10	N	5	N	N	20	N
COG3315R	N	5	<10	10	<20	5	N	7	<10	N	<5	N	<100	15	<50
COG3316R	N	5	30	7	30	N	<20	10	15	N	7	N	N	30	N
COG3317R	N	5	<10	10	<20	300	N	10	20	N	5	N	N	20	N
COG3318R	N	5	20	<5	20	N	N	10	10	N	7	N	N	30	N
COG3321R	N	7	10	10	<20	15	N	5	<10	N	<5	N	<100	20	N
COG3322R	N	<5	15	15	50	N	<20	10	15	N	7	N	N	30	<50
COG3323R	50	5	15	150	30	7	<20	10	150	200	7	N	N	50	N
COG3381R	N	<5	N	10	20	50	N	5	10	N	N	N	N	<10	N
COG3382R	N	10	15	15	20	20	<20	30	10	N	10	N	N	30	50
COG3383R	150	5	<10	3,000	20	10	N	7	N	1,000	5	N	N	50	150
COG5339R	70	N	10	150	20	N	N	<5	1,500	7,000	N	N	N	N	150
COG5340R	N	<5	10	70	20	N	N	N	200	200	<5	N	N	<10	N
COG5341R	N	N	15	150	N	N	N	5	50	N	5	N	N	30	<50
E0019A	N	10	50	30	30	N	N	30	50	<100	10	N	N	500	N
E0031C	70	15	70	700	20	10	N	20	20	N	7	N	N	200	N
E0031D	N	20	70	300	30	N	N	10	10	N	10	N	N	200	N
E0031E	N	15	70	150	20	10	<20	10	<10	N	5	N	N	150	<50
E0032A	N	N	10	50	70	N	<20	<5	15	N	5	N	300	50	N
E0033A	N	5	15	20	<20	70	N	15	30	<100	5	N	N	70	N
E0033B	N	5	10	20	<20	70	N	15	50	<100	5	N	100	50	N
E0033C	<10	10	20	30	20	7	N	20	30	<100	5	N	<100	70	<50
E0034A	N	N	10	<5	20	N	N	5	N	N	<5	N	N	30	N

CHAPTER F

LATITUDE 46°00'-46°30' LONGITUDE 113°30'-114°00'

TABLE 1. ROCK SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1° X 2° CUSMAP QUADRANGLE, MONTANA (continued)

SAMPLE	S-Y	S-ZN	S-ZR	S-TH	AA-AU	AA-CU	AA-PB	AA-ZN	AA-AG	AA-CB	AA-BI	AA-SB
AL00540R	20	N	20	N	--	4	4	12	-60	.87	N	3
AL00541R	30	N	700	N	--	2	16	9	-67	.86	N	2
AL01208R	30	N	200	--	--	N	3	5	N	.25	N	N
AL01209R	50	N	500	--	--	N	2	4	N	.22	N	N
AL01214R	30	N	500	--	--	N	1	1	N	.26	N	N
AL01215R	20	N	300	--	--	N	2	1	N	.26	N	N
AL01221R	15	N	200	--	--	N	2	1	N	.28	N	N
AL01226R	30	N	300	--	--	N	2	4	N	.35	N	N
AL01828R	15	N	150	N	--	N	N	N	.06	.08	N	N
AL01829R	N	N	100	N	--	N	N	N	<.05	.11	N	N
AL01830R	N	N	100	N	--	1	N	N	<.05	.17	N	N
AL01831R	15	N	300	N	--	N	N	3	<.05	.16	N	N
AL01834R	<10	N	150	N	--	N	N	3	<.05	.16	N	N
AL01838R	N	N	70	N	--	N	N	N	<.05	.13	N	N
AL03349R	10	N	10	N	1.20	13	180	1	56.10	.24	21.0	86
BAL2234R	30	500	50	N	--	1	1	12	<.05	N	1.0	N
BRF2698R	20	N	N	N	--	N	4	6	<.05	.10	4.0	6
CGL1691R	<10	N	N	N	--	N	2	N	N	<.05	N	N
CGL1692R	50	N	100	N	--	N	N	1	N	.05	N	1
CGL1703R	20	N	20	N	--	N	N	N	N	<.05	N	1
C063273R	10	N	100	N	--	4	2	N	1.18	N	N	8
C063274R	N	N	70	N	--	4	22	1	28.50	N	1.0	31
C063275R	50	N	200	N	--	1	1	N	1.90	N	N	2
C063315R	N	N	N	N	--	5	4	19	.39	N	1.0	3
C063316R	20	N	300	N	--	2	4	10	.38	N	1.0	3
C063317R	30	N	N	N	--	3	7	7	.09	N	2.0	2
C063318R	20	N	150	N	--	N	2	2	<.05	N	1.0	3
C063321R	<10	N	20	N	--	7	5	6	.26	N	2.0	10
C063322R	15	N	100	N	--	19	6	5	.07	N	1.0	14
C063323R	20	N	70	N	--	150	140	34	3.15	N	38.0	94
C063381R	N	N	10	N	1.10	1	4	6	25.70	.35	2.0	4
C063382R	30	700	100	N	--	14	6	130	.57	.54	2.0	12
C063383R	20	N	N	N	.42	>1,000	N	34	1.50	.55	67.0	630
C063339R	N	N	<10	N	2.00	14	>1,000	5	>100.00	1.10	24.0	>1,000
C065340R	N	N	15	N	1.20	23	72	2	3.93	.60	1.0	54
C065341R	10	N	100	N	--	17	6	2	1.50	.07	1.0	7
E0019A	20	N	200	N	<.05	--	--	--	--	--	--	--
E0031C	30	N	150	N	.06	--	--	--	--	--	--	--
E0031D	50	N	200	N	<.05	--	--	--	--	--	--	--
E0031E	30	N	300	N	.06	--	--	--	--	--	--	--
E0032A	30	N	150	N	<.05	--	--	--	--	--	--	--
E0033A	<10	<200	<10	N	.12	--	--	--	--	--	--	--
E0033B	N	<200	10	N	.60	--	--	--	--	--	--	--
E0033C	<10	5,000	20	N	1.25	--	--	--	--	--	--	--
E0034A	<10	N	100	N	<.05	--	--	--	--	--	--	--

CHAPTER F

LATITUDE 46°00'-46°30' LONGITUDE 113°30'-114°00'

TABLE 1. ROCK SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1° X 2° CUSMAP QUADRANGLE, MONTANA (continued)

SAMPLE	LATITUDE	LONGITUDE	S-FEX	S-MGZ	S-CAZ	S-TIZ	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE
E0035A	46 25 10	113 30 10	15.00	<.02	<.05	.003	300	20.0	700	N	N	1,000	1.0
E0035B	46 25 10	113 30 10	7.00	<.02	N	<.002	20	2.0	500	N	N	150	<1.0
E0036A	46 25 50	113 30 15	15.00	.02	<.05	.007	1,000	7.0	500	N	N	700	1.5
E0037A	46 25 10	113 32 18	1.50	1.50	1.50	.150	500	N	N	N	N	1,000	2.0
E0045A	46 0 50	113 40 55	3.00	1.00	5.00	.070	5,000	.7	N	N	N	70	1.5
E0045B	46 0 50	113 40 55	1.50	1.00	2.00	.150	700	N	N	N	N	1,000	1.5
E0046A	46 0 55	113 40 45	2.00	.70	.20	.150	1,500	N	N	N	50	1,000	1.5
E0047A	46 1 50	113 40 50	5.00	<.02	<.05	<.002	20	150.0	700	70	>2,000	<20	<1.0
E0048A	46 0 30	113 40 35	3.00	.50	1.50	.100	1,000	30.0	N	N	70	300	3.0
E0048B	46 0 30	113 40 35	2.00	1.00	7.00	.200	>5,000	20.0	N	N	200	1,000	2.0
E0048C	46 0 30	113 40 35	2.00	1.50	2.00	.300	700	N	N	N	N	1,000	1.5
E0049A	46 0 20	113 39 35	1.50	.15	N	.070	15	1,500.0	N	N	70	150	1.5
E0050A	46 0 20	113 39 45	1.50	.07	<.05	.050	30	300.0	N	N	70	70	1.5
E0051A	46 0 35	113 40 15	5.00	1.50	N	.300	150	100.0	N	N	200	1,000	2.0
E0052A	46 2 55	113 31 30	.50	.07	.05	.030	300	1.0	N	N	15	300	1.0
E0053A	46 3 5	113 32 10	5.00	<.02	<.05	.002	50	70.0	700	<10	<10	30	<1.0
E0054A	46 4 15	113 32 5	3.00	.70	.50	.300	5,000	3,000.0	7,000	N	15	100	1.5
E0054B	46 4 15	113 32 5	5.00	3.00	5.00	.500	1,000	N	N	N	<10	700	1.0
E0055A	46 2 55	113 39 40	.70	.50	1.50	.070	300	N	N	N	N	700	1.5
E0056A	46 3 40	113 39 40	1.50	1.50	2.00	.150	1,000	N	N	N	N	700	1.5
E0057A	46 3 45	113 40 10	5.00	.10	<.05	.030	50	30.0	200	N	15	200	1.0
E0057B	46 3 45	113 40 10	3.00	.70	<.05	.300	30	1.0	N	N	300	1,000	2.0
E0058A	46 3 25	113 40 25	.30	.10	<.05	.030	50	7.0	N	N	30	100	1.5
E0058B	46 3 25	113 40 25	.50	.02	.20	.020	30	.7	N	N	<10	30	1.5
E0059A	46 3 15	113 40 45	1.50	1.50	2.00	.200	700	N	N	N	N	1,000	2.0
E0060A	46 1 45	113 41 10	1.50	1.50	1.50	.150	1,000	N	N	N	N	1,000	1.5
E0060B	46 1 45	113 41 10	3.00	.02	<.05	.002	20	100.0	1,500	N	N	20	N
E0062A	46 0 55	113 41 55	1.50	.70	2.00	.150	500	N	N	N	N	1,000	1.5
E0100A	46 23 45	113 31 5	7.00	.05	<.05	.030	700	N	N	N	N	>5,000	<1.0
E0100B	46 23 45	113 31 5	5.00	.20	.10	.200	300	N	N	N	500	300	3.0
E0100C	46 23 45	113 31 5	>20.00	.07	.07	.015	1,500	N	N	N	N	>5,000	<1.0
E0100D	46 23 45	113 31 5	7.00	<.02	<.05	.007	300	<.5	N	N	10	>5,000	<1.0
E0101A	46 24 35	113 30 55	7.00	<.02	<.05	N	3,000	150.0	700	N	N	>5,000	<1.0
E0102A	46 24 35	113 31 5	10.00	<.02	<.05	.003	1,000	50.0	500	N	N	>5,000	2.0
E0127A	46 0 20	113 34 30	1.50	<.02	<.05	.002	10	3.0	N	N	N	20	<1.0
E0128A	46 0 30	113 34 25	3.00	.07	<.05	.050	15	5.0	N	N	10	70	1.5
E0128B	46 0 30	113 34 25	5.00	.10	<.05	.070	15	10.0	<200	<10	10	100	1.5
E0128C	46 0 30	113 34 25	7.00	.20	<.05	.100	20	1.5	N	N	50	150	2.0
E0128D	46 0 30	113 34 25	5.00	.05	<.05	.030	10	10.0	N	30	10	70	1.5
E0128E	46 0 30	113 34 25	2.00	.30	<.05	.100	20	1.0	N	N	70	500	2.0
E9114	46 8 25	113 41 45	1.00	.20	.05	.050	20	N	N	N	15	300	2.0
FP18R	46 0 20	113 40 30	1.50	.10	1.50	.100	1,000	2.0	N	N	10	300	2.0
FP3R	46 1 46	113 40 53	3.00	.02	<.05	.005	70	50.0	N	N	10	30	<1.0
FP4R	46 1 46	113 40 53	7.00	.03	N	.020	100	70.0	1,000	N	20	70	<1.0
FP7R	46 1 46	113 40 53	7.00	<.02	<.05	<.002	50	70.0	300	N	15	20	<1.0

CHAPTER F

LATITUDE 46°00'-46°30' LONGITUDE 113°30'-114°00'

TABLE 1. ROCK SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1° X 2° CUSMAP QUADRANGLE, MONTANA (continued)

SAMPLE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-W
E0035A	50	N	7	15	150	N	10	N	10	150	100	N	N	N	N	200
E0035B	N	N	7	<10	50	N	N	N	10	30	<100	N	N	N	<10	70
E0036A	30	N	7	50	500	N	N	N	20	200	200	N	N	N	200	150
E0037A	N	N	5	30	<5	20	N	<20	10	20	N	5	N	500	30	N
E0045A	N	N	<5	N	20	<20	70	N	10	100	N	<5	N	300	50	N
E0045B	N	N	5	15	<5	20	N	<20	7	30	N	5	N	500	50	N
E0046A	N	N	5	15	5	20	N	N	5	30	N	5	N	150	50	N
E0047A	15	>500	20	N	2,000	<20	N	N	20	>20,000	150	N	N	N	N	N
E0048A	<10	>500	10	N	700	<20	N	N	5	10,000	N	5	N	N	30	N
E0048B	<10	N	N	20	<5	30	N	N	5	15,000	N	10	N	300	70	N
E0048C	N	N	7	15	<5	20	N	<20	7	20	N	10	N	300	70	N
E0049A	N	N	<5	10	200	20	N	N	5	700	700	<5	N	N	15	N
E0050A	N	N	<5	<10	100	20	N	N	5	1,000	500	<5	N	N	70	N
E0051A	300	N	N	70	70	100	N	N	5	5,000	N	15	N	N	100	N
E0052A	N	N	<5	15	20	<20	N	N	<5	30	N	<5	N	N	<10	N
E0053A	30	N	<5	<10	150	<20	N	N	5	300	100	N	N	N	N	N
E0054A	15	100	7	50	10,000	30	N	N	10	>20,000	10,000	7	N	100	70	N
E0054B	N	N	15	100	20	30	N	N	30	15	N	20	N	500	150	N
E0055A	N	N	<5	10	5	20	N	N	<5	30	N	<5	N	300	15	N
E0056A	N	N	5	10	<5	20	N	N	5	30	N	5	N	300	30	N
E0057A	N	N	10	10	15	<20	N	N	20	10,000	N	<5	N	N	50	N
E0057B	N	N	<5	30	<5	30	N	N	5	100	N	7	N	N	100	N
E0058A	N	N	<5	15	<5	300	N	N	<5	300	N	N	N	N	15	N
E0058B	N	N	N	<10	<5	<20	N	N	5	50	N	N	N	N	10	N
E0059A	N	N	5	15	<5	20	N	<20	5	30	N	7	N	300	50	N
E0060A	N	N	5	15	<5	<20	N	N	<5	30	N	5	N	300	30	N
E0060B	N	100	<5	10	500	<20	N	N	<5	5,000	700	N	N	N	N	N
E0062A	N	N	5	20	<5	20	N	N	<5	30	N	5	N	300	50	N
E0100A	N	N	5	N	20	N	N	N	10	<10	<100	5	N	3,000	100	N
E0100B	N	N	5	30	<5	20	<5	N	7	<10	<100	5	N	N	100	N
E0100C	N	N	20	<10	7	N	N	N	70	<10	N	5	N	1,500	150	N
E0100D	N	N	5	N	15	<20	N	N	15	10	<100	5	N	1,000	150	N
E0101A	300	N	10	N	10,000	20	N	N	15	150	5,000	<5	N	1,500	<10	N
E0102A	150	N	7	15	3,000	20	7	N	20	50	2,000	5	N	300	70	N
E0127A	N	N	N	10	150	20	150	N	<5	10	100	N	N	N	<10	N
E0128A	70	N	N	15	200	20	500	N	5	500	700	<5	N	N	15	N
E0128B	100	N	N	10	700	20	1,000	N	<5	2,000	1,000	<5	N	N	15	N
E0128C	100	N	N	15	300	20	1,000	N	<5	1,000	100	5	N	N	20	N
E0128D	100	N	N	15	500	20	1,000	N	<5	2,000	300	N	N	N	20	N
E0128E	N	N	N	20	100	20	30	N	5	5,000	<100	5	N	N	20	N
E9114	N	N	N	N	N	20	N	N	N	N	N	N	N	N	30	N
FP18R	N	N	7	<10	15	20	<5	N	5	300	N	5	N	N	30	N
FP3R	N	200	15	N	500	N	N	N	10	5,000	N	N	N	N	<10	N
FP4R	N	50	N	N	1,500	N	N	N	10	3,000	N	N	N	N	10	N
FP7R	N	500	50	N	1,500	N	N	<20	20	3,000	N	N	N	N	N	N

CHAPTER F

LATITUDE 46°00'-46°30' LONGITUDE 113°30'-114°00'

TABLE 1. ROCK SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°x2° CUSMAP QUADRANGLE, MONTANA (continued)

SAMPLE	S-Y	S-ZN	S-ZR	S-TH	AA-AU	AA-CU	AA-PB	AA-ZN	AA-AG	AA-CD	AA-BI	AA-SB
E0035A	<10	N	N	N	.60	--	--	--	--	--	--	--
E0035B	N	N	N	N	.10	--	--	--	--	--	--	--
E0036A	10	N	N	N	.20	--	--	--	--	--	--	--
E0037A	15	N	70	N	<.05	--	--	--	--	--	--	--
E0045A	10	N	<10	N	<.05	--	--	--	--	--	--	--
E0045B	10	N	100	N	<.05	--	--	--	--	--	--	--
E0046A	10	N	100	N	<.05	--	--	--	--	--	--	--
E0047A	N	>10,000	N	N	.05	--	--	--	--	--	--	--
E0048A	<10	>10,000	30	N	.05	--	--	--	--	--	--	--
E0048B	100	N	100	N	.25	--	--	--	--	--	--	--
E0048C	30	N	70	N	<.05	--	--	--	--	--	--	--
E0049A	15	<200	150	N	1.75	--	--	--	--	--	--	--
E0050A	<10	200	100	N	1.10	--	--	--	--	--	--	--
E0051A	20	<200	100	N	46.60	--	--	--	--	--	--	--
E0052A	10	N	70	N	.09	--	--	--	--	--	--	--
E0053A	N	N	N	N	39.00	--	--	--	--	--	--	--
E0054A	<10	700	10	N	2.00	--	--	--	--	--	--	--
E0054B	20	N	20	N	<.05	--	--	--	--	--	--	--
E0055A	<10	N	50	N	<.05	--	--	--	--	--	--	--
E0056A	15	N	50	N	<.05	--	--	--	--	--	--	--
E0057A	N	N	15	N	2.50	--	--	--	--	--	--	--
E0057B	15	N	100	N	.12	--	--	--	--	--	--	--
E0058A	15	N	10	N	.15	--	--	--	--	--	--	--
E0058B	10	N	30	N	<.05	--	--	--	--	--	--	--
E0059A	20	N	50	N	<.05	--	--	--	--	--	--	--
E0060A	15	N	15	N	<.05	--	--	--	--	--	--	--
E0060B	N	1,000	N	N	21.00	--	--	--	--	--	--	--
E0062A	10	N	50	N	<.05	--	--	--	--	--	--	--
E0100A	<10	N	N	N	<.05	--	--	--	--	--	--	--
E0100B	10	N	50	N	<.05	--	--	--	--	--	--	--
E0100C	<10	N	N	N	<.05	--	--	--	--	--	--	--
E0100D	<10	N	N	N	<.05	--	--	--	--	--	--	--
E0101A	<10	700	N	N	.08	--	--	--	--	--	--	--
E0102A	<10	300	N	N	<.05	--	--	--	--	--	--	--
E0127A	N	N	N	N	<.05	--	--	--	--	--	--	--
E0128A	N	N	50	N	3.00	--	--	--	--	--	--	--
E0128B	30	N	100	N	12.30	--	--	--	--	--	--	--
E0128C	15	N	150	N	3.10	--	--	--	--	--	--	--
E0128D	N	N	100	N	13.00	--	--	--	--	--	--	--
E0128E	15	N	150	N	.15	--	--	--	--	--	--	--
EP114	20	N	50	N	.05	--	--	--	--	--	--	--
FP18R	30	500	70	N	.20	14	440	60	5.00	10.00	<.5	--
FP3R	N	5,000	20	N	9.00	270	>1,000	1,000	40.00	65.00	1.5	--
FP4R	N	500	20	N	.80	1,000	>1,000	300	70.00	20.00	4.0	--
FP7R	N	>10,000	N	N	4.50	700	>1,000	50	55.00	650.00	1.5	--

CHAPTER F

LATITUDE 46°00'-46°30' LONGITUDE 113°30'-114°00'

TABLE 1. ROCK SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°x2°CUSMAP QUADRANGLE, MONTANA (continued)

SAMPLE	LATITUDE	LONGITUDE	S-FEX	S-MGX	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE
JM8023	46 0 35	113 50 55	2.00	5.00	7.00	.200	2,000	N	N	N	N	70	1.5
JM8024	46 0 49	113 50 29	.30	.20	.70	.100	300	N	N	N	N	1,000	1.5
JM8026	46 0 20	113 50 55	2.00	1.00	2.00	.200	300	N	N	N	N	2,000	1.5
KEN0066R	46 1 56	113 46 55	3.00	.70	.20	.500	300	N	N	N	150	700	2.0
KEN0080R	46 6 8	113 45 54	10.00	.70	.05	>1.000	70	N	N	N	200	1,000	1.0
KEN0081R	46 3 49	113 47 32	3.00	1.50	.15	.300	150	N	N	N	200	300	2.0
KEN0082R	46 4 8	113 47 59	1.50	1.00	.20	.200	70	N	N	N	150	500	2.0
KEN0083R	46 4 20	113 47 56	1.00	.70	.07	.200	70	N	N	N	100	700	1.5
KEN0085R	46 4 26	113 47 13	1.00	.70	.07	.150	300	N	N	N	100	5,000	1.5
KEN0086R	46 4 51	113 46 44	10.00	5.00	7.00	1.000	1,500	N	N	N	20	500	N
KEN0087R	46 4 51	113 46 44	3.00	1.00	3.00	.300	1,000	5.0	N	N	15	70	<1.0
KEN0089R	46 4 51	113 46 44	2.00	1.50	.15	.300	150	N	N	N	200	700	3.0
KEN0090R	46 4 51	113 46 44	2.00	1.50	.30	.300	200	N	N	N	200	700	2.0
KEN0092R	46 4 58	113 46 40	10.00	5.00	7.00	1.000	1,500	N	N	N	N	200	N
KEN0350R	46 3 20	113 47 36	3.00	1.50	.30	.500	300	N	N	N	150	1,000	2.0
KEN0351R	46 2 57	113 48 11	2.00	1.00	.30	.300	500	N	N	N	300	500	3.0
KEN0352R	46 2 17	113 48 11	1.50	1.00	.20	.300	300	N	N	N	200	700	2.0
KEN0353R	46 2 8	113 47 47	.07	.07	.30	.020	70	N	N	N	10	500	10.0
KEN0369R	46 1 44	113 48 36	3.00	.50	1.00	.300	1,000	N	N	N	10	1,000	3.0
KEN0371R	46 0 12	113 48 2	2.00	.20	.50	.070	150	N	N	N	<10	2,000	<1.0
KEN0372R	46 2 37	113 49 32	1.00	.50	.30	.150	200	N	N	N	<10	300	1.5
KEN0373R	46 3 48	113 49 41	.50	.30	.20	.050	200	N	N	N	<10	300	1.0
KEN0374R	46 4 33	113 49 58	3.00	1.00	.30	.500	500	N	N	N	200	700	3.0
KEN0375R	46 5 51	113 49 53	1.50	.70	.30	.200	150	N	N	N	70	500	2.0
KEN0385R	46 3 31	113 46 33	1.00	.70	.30	.150	150	N	N	N	150	700	1.5
KEN0720R	46 2 6	113 47 16	3.00	1.50	.20	.300	300	N	N	N	200	3,000	1.5
KEN0721R	46 1 56	113 46 48	.70	.20	.10	.200	150	N	N	N	20	300	1.5
KEN0722R	46 1 56	113 46 48	3.00	1.50	3.00	.500	1,500	N	N	N	100	1,500	2.0
KEN0723R	46 1 41	113 46 6	3.00	1.50	.70	.500	150	N	N	N	200	700	2.0
KEN0724R	46 1 6	113 45 45	3.00	7.00	20.00	.300	1,500	N	N	N	<10	300	1.0
KEN0725R	46 0 48	113 45 16	3.00	7.00	10.00	.300	1,000	N	N	N	70	1,500	2.0
KEN0736R	46 5 10	113 46 13	1.50	1.50	.10	.150	150	N	N	N	200	700	1.5
KEN0737R	46 6 14	113 45 29	.70	.70	.05	.070	100	N	N	N	30	700	1.5
KEN0738R	46 6 24	113 45 32	.70	.05	<.05	.015	50	N	N	N	50	200	<1.0
KEN0739R	46 7 1	113 45 25	3.00	2.00	.30	.300	150	.5	N	N	700	500	10.0
KEN0740R	46 7 1	113 45 25	5.00	1.50	.50	.500	300	N	N	N	500	500	7.0
KEN0760R	46 2 25	113 48 10	.30	.10	.50	.030	150	N	N	N	10	100	7.0
KEN0851R	46 1 16	113 46 24	.70	.30	.15	.050	200	N	N	N	50	300	100.0
KEN0852R	46 1 16	113 46 24	5.00	1.50	.20	.700	200	N	N	N	300	1,000	1.0
KEN0853R	46 1 8	113 46 24	.30	.10	.15	.010	500	N	N	N	1,500	70	200.0
KEN0854R	46 1 8	113 46 24	1.00	.20	.30	.100	100	1.0	N	N	10	300	7.0
KEN0880R	46 1 27	113 46 58	1.00	1.00	.20	.100	200	N	N	N	150	700	3.0
KEN0881R	46 1 27	113 46 58	.15	.05	.05	.010	70	N	N	N	<10	70	3.0
KEN0928R	46 6 23	113 46 17	1.50	1.00	.05	.500	70	N	N	N	100	1,500	2.0
KEN0929R	46 6 53	113 45 39	3.00	2.00	.50	.500	100	N	N	N	500	2,000	3.0

CHAPTER F

LATITUDE 46°00'-46°30' LONGITUDE 113°30'-114°00'

TABLE 1. ROCK SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1° X 2° CUSMAP QUADRANGLE, MONTANA (continued)

SAMPLE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-W
JM8023	N	N	7	20	<5	30	N	N	5	N	N	5	N	<100	20	N
JM8024	N	N	N	<10	<5	30	N	N	5	30	N	<5	N	200	<10	N
JM8026	N	N	7	<10	<5	30	N	N	5	10	N	<5	N	500	30	N
KEN0066R	N	N	5	100	7	70	N	<20	15	15	N	7	N	<100	50	N
KEN0080R	N	N	<5	300	7	20	N	20	5	30	N	5	N	N	100	N
KEN0081R	N	N	20	50	<5	30	N	<20	50	15	N	7	N	N	50	N
KEN0082R	N	N	5	15	N	30	N	<20	10	10	N	5	N	N	30	N
KEN0083R	N	N	5	20	N	20	N	<20	7	10	N	<5	N	<100	30	N
KEN0085R	N	N	5	10	<5	20	N	<20	5	15	N	<5	N	<100	20	N
KEN0086R	200	N	100	300	15,000	N	N	N	70	15	N	50	N	100	500	N
KEN0087R	150	N	10	70	2,000	20	N	<20	15	10	N	10	N	<100	200	N
KEN0089R	N	N	7	30	30	20	N	<20	15	10	N	7	N	N	50	N
KEN0090R	N	N	7	20	7	30	N	<20	20	10	N	7	N	N	50	N
KEN0092R	N	N	70	300	500	<20	N	N	70	10	N	50	N	150	500	N
KEN0350R	N	N	7	150	<5	30	N	<20	20	20	N	7	N	<100	70	N
KEN0351R	N	N	5	50	<5	30	N	<20	15	20	N	7	N	N	30	N
KEN0352R	N	N	7	50	<5	30	N	<20	20	30	N	5	N	N	50	N
KEN0353R	N	N	<5	10	N	20	N	N	<5	50	N	N	N	N	<10	N
KEN0369R	N	N	7	10	<5	30	N	<20	5	70	N	7	N	1,000	30	N
KEN0371R	N	N	5	10	5	20	N	N	<5	50	N	5	N	300	15	N
KEN0372R	N	N	<5	20	<5	20	N	N	7	15	N	5	N	N	20	N
KEN0373R	N	N	N	20	<5	20	N	N	5	20	N	<5	N	N	15	N
KEN0374R	N	N	10	100	<5	50	N	<20	30	15	N	7	N	N	70	N
KEN0375R	N	N	5	70	<5	30	N	<20	15	10	N	7	N	N	50	N
KEN0385R	N	N	<5	15	<5	30	N	<20	7	10	N	<5	N	N	30	N
KEN0720R	N	N	10	100	<5	70	N	<20	30	15	N	10	N	100	100	N
KEN0721R	N	N	5	20	<5	30	N	<20	5	<10	N	<5	N	N	20	N
KEN0722R	N	N	<5	70	<5	50	<5	<20	20	15	N	15	N	100	70	N
KEN0723R	N	N	10	100	5	70	N	<20	30	<10	N	15	N	<100	100	N
KEN0724R	N	N	15	100	30	70	N	<20	20	70	N	15	N	100	70	N
KEN0725R	N	N	7	100	5	50	N	<20	20	100	N	15	N	<100	100	N
KEN0736R	N	N	7	70	<5	20	N	N	15	<10	N	5	N	<100	70	N
KEN0737R	N	N	5	10	<5	20	N	N	10	10	N	<5	N	N	20	N
KEN0738R	N	N	<5	20	N	<20	N	N	<5	<10	N	N	N	N	10	N
KEN0739R	N	N	5	150	<5	30	N	<20	20	<10	N	15	N	N	100	N
KEN0740R	N	N	7	150	<5	70	N	<20	30	<10	N	15	N	N	100	N
KEN0760R	N	N	N	<10	N	<20	N	<20	5	50	N	<5	N	<100	<10	N
KEN0851R	N	N	<5	10	N	20	N	<20	5	30	N	<5	N	N	15	N
KEN0852R	N	N	<5	70	N	20	N	<20	10	10	N	5	N	N	20	N
KEN0853R	N	N	<5	<10	N	<20	N	<20	5	20	N	<5	N	N	<10	N
KEN0854R	N	N	<5	10	<5	<20	N	<20	10	20	N	5	N	N	15	N
KEN0880R	N	N	7	10	<5	50	N	N	7	20	N	5	N	N	30	N
KEN0881R	N	N	5	<10	N	<20	N	<20	5	50	N	<5	N	N	<10	N
KEN0928R	N	N	5	20	<5	20	N	<20	10	20	N	<5	N	N	10	N
KEN0929R	N	N	7	150	10	30	N	<20	50	15	N	10	N	N	100	N

CHAPTER F

LATITUDE 46°00'–46°30' LONGITUDE 113°30'–114°00'

TABLE 1. ROCK SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°x2° CUSMAP QUADRANGLE, MONTANA (continued)

SAMPLE	S-Y	S-ZN	S-ZR	S-TH	AA-AU	AA-CU	AA-PB	AA-ZN	AA-AG	AA-CB	AA-BI	AA-SB
JM8023	30	N	150	N	<.05	1	1	8	<.05	.10	<1.0	1
JM8024	20	N	10	N	<.05	1	1	2	<.05	.05	<1.0	<1
JM8026	10	N	50	N	<.05	1	1	3	<.05	.10	<1.0	1
KEN0066R	20	N	300	N	--	4	1	1	<.05	.14	N	1
KEN0080R	20	N	700	N	--	1	4	2	<.05	.20	N	N
KEN0081R	50	N	500	N	--	1	3	5	.09	.23	N	N
KEN0082R	10	N	200	N	--	N	1	1	<.05	.18	N	1
KEN0083R	<10	N	200	N	--	N	1	1	<.05	.22	N	N
KEN0085R	<10	N	200	N	--	N	1	1	<.05	.25	N	N
KEN0086R	30	N	50	N	--	>2,000	6	5	.38	.51	150.0	N
KEN0087R	30	N	30	N	--	>2,000	20	20	.94	.33	105.0	1
KEN0089R	10	N	200	N	--	3	1	1	<.05	.27	1.0	1
KEN0090R	20	N	200	N	--	33	1	1	<.05	.25	N	N
KEN0092R	50	N	100	N	--	500	1	3	.09	.31	N	N
KEN0350R	20	N	300	--	--	N	1	N	<.05	N	N	N
KEN0351R	15	N	150	--	--	N	1	N	<.05	N	N	N
KEN0352R	10	N	200	--	--	N	1	N	N	N	N	N
KEN0353R	10	N	20	--	--	N	1	N	N	N	N	N
KEN0369R	20	N	200	--	--	1	2	12	N	N	N	N
KEN0371R	20	N	500	--	--	1	2	3	N	N	N	N
KEN0372R	<10	N	300	--	--	N	1	N	N	N	N	N
KEN0373R	<10	N	70	--	--	N	1	3	N	.05	N	N
KEN0374R	20	N	200	--	--	N	1	N	N	.06	N	N
KEN0375R	15	N	300	--	--	N	1	1	N	.07	N	N
KEN0385R	10	N	300	--	--	N	2	2	N	.07	N	N
KEN0720R	20	N	500	N	--	<1	<1	1	<.02	<.05	<1.0	<1
KEN0721R	15	N	300	N	--	<1	<1	<1	.02	<.05	<1.0	<1
KEN0722R	30	N	300	N	--	<1	1	4	<.02	<.05	<1.0	<1
KEN0723R	70	N	300	N	--	<1	1	<1	<.02	<.05	<1.0	<1
KEN0724R	50	N	150	N	--	28	33	1	.11	.05	1.0	<1
KEN0725R	30	N	300	N	--	1	40	1	.04	.08	<1.0	<1
KEN0736R	15	N	200	N	--	<1	1	1	<.02	<.05	<1.0	<1
KEN0737R	N	N	70	N	--	<1	<1	1	<.02	<.05	<1.0	<1
KEN0738R	100	N	10	N	--	<1	<1	2	<.02	<.05	<1.0	<1
KEN0739R	30	N	200	N	--	<1	<1	2	<.02	<.05	<1.0	<1
KEN0740R	50	N	300	N	--	<1	1	1	<.02	<.05	<1.0	<1
KEN0760R	30	N	70	N	--	<1	1	1	<.02	<.05	<1.0	<1
KEN0851R	N	N	100	N	--	N	N	1	<.05	.33	N	N
KEN0852R	15	N	300	N	--	N	N	1	<.05	.36	N	N
KEN0853R	N	N	20	N	--	N	N	N	.05	.38	N	N
KEN0854R	100	N	100	N	--	N	N	1	<.05	.38	N	N
KEN0880R	N	N	100	N	--	N	N	N	<.05	.63	N	N
KEN0881R	10	N	10	N	--	N	N	N	<.05	.04	N	N
KEN0928R	15	N	150	N	--	1	2	1	.14	.10	1.0	1
KEN0929R	50	N	500	N	--	N	<1	1	.07	.08	N	N

CHAPTER F

LATITUDE 46°00'-46°30' LONGITUDE 113°30'-114°00'

TABLE 1. ROCK SAMPLE LOCALITY AND ANALYSES IN THE BUTTE F² CUSMAP QUADRANGLE, MONTANA (continued)

SAMPLE	LATITUDE	LONGITUDE	S-FEX	S-MGX	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B	S-WA	S-BE
KEN0936R	46 7 5	113 47 50	1.50	2.00	7.00	.300	150	N	N	N	70	150	2.0
KEN0949R	46 7 2	113 50 1	3.00	7.00	15.00	.200	300	N	N	N	10	30	<1.0
MAU1268R	46 7 31	113 36 55	3.00	1.50	3.00	.300	1,000	<.5	N	N	15	1,500	2.0
MAU1269R	46 7 31	113 36 55	.70	.15	.15	.150	200	<.5	N	N	70	300	1.0
MAU1270R	46 7 31	113 36 55	.30	.05	<.05	.007	50	<.5	N	N	10	100	<1.0
MAU1271R	46 7 31	113 36 51	1.00	.30	.30	.150	300	<.5	N	N	70	1,000	2.0
MAU1272R	46 7 31	113 36 51	1.50	1.00	3.00	.300	500	N	N	N	10	1,500	1.0
MAU1273R	46 7 32	113 36 55	.50	.05	<.05	.005	10	1.5	N	N	50	150	1.0
MAU1274R	46 7 32	113 36 55	.50	.15	<.05	.200	50	3.0	N	N	50	500	1.5
MAU1275R	46 7 32	113 36 55	.70	.15	<.05	.070	70	.7	N	N	100	1,000	1.0
MAU1276R	46 7 32	113 36 53	2.00	.03	<.05	.030	20	7.0	N	N	20	100	N
MAU1277R	46 7 32	113 36 47	2.00	1.50	3.00	.300	700	N	N	N	20	1,000	2.0
MAU1278R	46 7 32	113 36 47	3.00	7.00	5.00	.300	300	N	N	N	15	500	2.0
MAU3351R	46 12 33	113 33 8	3.00	.05	.07	.015	500	2.0	500	<10	15	1,000	1.5
MAU3352R	46 12 33	113 33 8	3.00	.30	.15	.300	500	2.0	<200	N	200	70	2.0
MAU3354R	46 12 34	113 33 10	2.00	.15	.10	.050	500	10.0	N	20	70	1,000	1.5
MAU3356R	46 12 34	113 33 14	3.00	.70	15.00	.150	2,000	N	N	N	50	500	1.0
MAU3358R	46 12 35	113 33 12	10.00	.15	.07	.030	1,000	N	300	N	70	150	1.5
MEM3392R	46 9 46	113 40 35	.70	.30	.30	.070	500	N	N	N	N	500	3.0
MEM3393R	46 8 26	113 41 36	1.00	.20	.20	.050	70	N	N	N	15	700	5.0
MEM5252R	46 7 32	113 39 31	1.50	.03	<.05	.010	100	1,000.0	N	10	10	1,500	1.5
MEM5258R	46 7 30	113 39 45	.20	.05	.30	.030	100	N	N	N	N	150	1.5
MEM5259R	46 7 58	113 38 53	.50	.03	<.05	.030	150	30.0	N	N	30	700	2.0
MEM5260R	46 7 58	113 38 53	1.00	.30	.50	.150	200	N	N	N	N	700	2.0
MEM5261R	46 7 59	113 38 49	1.50	.50	1.50	.150	300	N	N	N	N	1,000	1.5
MEM5355R	46 8 30	113 41 38	1.50	.20	.30	.070	1,500	N	N	N	20	1,000	7.0
MEM5356R	46 8 30	113 41 38	1.00	.30	.70	.100	300	N	N	N	<10	700	2.0
MOL0326R	46 4 8	113 37 21	1.00	.30	.05	.150	70	N	N	N	70	1,000	2.0
MOL0327R	46 4 32	113 36 25	1.00	.70	.30	.150	200	N	N	N	200	1,000	2.0
MOL1284R	46 0 4	113 33 22	7.00	7.00	7.00	.500	1,500	N	N	N	50	500	<1.0
MOL1285R	46 0 33	113 32 34	.70	.30	<.05	.070	50	N	N	N	50	500	1.0
MOL1286R	46 0 39	113 33 12	.70	.15	<.05	.030	70	N	N	N	50	700	1.0
MOL1287R	46 1 7	113 32 46	.70	.07	<.05	.050	30	N	N	N	70	300	<1.0
MOL1288R	46 1 45	113 32 12	1.00	.15	<.05	.100	200	N	N	N	70	700	1.0
MOL1289R	46 2 3	113 32 49	3.00	.70	<.05	.300	200	N	N	N	200	1,500	2.0
MOL1292R	46 2 58	113 32 13	7.00	.02	<.05	<.002	70	100.0	1,000	50	10	1,000	1.0
MOL1293R	46 3 4	113 32 8	7.00	.02	<.05	<.002	20	70.0	500	<10	10	30	<1.0
MOL1294R	46 3 4	113 32 8	5.00	.50	.50	.150	1,000	20.0	700	10	200	300	3.0
MOL1299R	46 2 45	113 33 12	1.00	.30	.05	.150	200	N	N	N	30	1,000	1.5
MOL1647R	46 0 45	113 34 26	1.00	.10	<.05	.030	30	1.0	N	N	<10	300	<1.0
MOL1648R	46 0 22	113 34 27	15.00	.20	.07	.100	100	50.0	500	50	100	300	3.0
MOL1649R	46 0 22	113 34 27	1.50	.20	<.05	.200	70	<.5	N	N	15	1,000	1.5
MOL1650R	46 0 14	113 34 47	1.50	.30	.07	.150	100	N	N	N	50	700	1.5
MOL1651R	46 0 46	113 35 21	.70	.15	<.05	.100	200	<.5	N	N	15	1,000	1.0
MOL1652R	46 1 33	113 35 21	.30	.10	<.05	.030	70	N	N	N	10	500	<1.0

CHAPTER F

LATITUDE 46°00'-46°30' LONGITUDE 113°30'-114°00'

TABLE 1. ROCK SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1° x 2° CUSMAP QUADRANGLE, MONTANA (continued)

SAMPLE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-W
KEN0936R	N	N	5	70	15	70	N	<20	15	10	N	7	N	N	70	N
KEN0949R	N	N	20	150	5	50	N	<20	50	10	N	7	N	N	50	N
MAU1268R	N	N	10	100	100	30	N	<20	10	30	N	20	N	500	150	N
MAU1269R	N	N	5	<10	20	30	2,000	N	5	15	N	<5	N	100	30	N
MAU1270R	<10	N	5	<10	5	<20	2,000	N	<5	15	N	<5	N	N	10	70
MAU1271R	N	N	5	20	15	20	N	<20	7	15	N	5	N	150	50	N
MAU1272R	N	N	5	70	5	30	N	<20	7	20	N	10	N	300	70	N
MAU1273R	10	N	5	<10	<5	20	2,000	N	<5	30	N	N	N	N	10	N
MAU1274R	100	N	<5	<10	10	20	1,000	<20	<5	50	N	<5	N	<100	30	N
MAU1275R	N	N	5	15	300	20	N	N	<5	30	N	<5	N	<100	15	N
MAU1276R	200	N	5	<10	150	<20	300	<20	5	70	100	<5	N	N	20	300
MAU1277R	N	N	10	70	30	20	5	<20	10	30	N	15	N	500	100	N
MAU1278R	N	N	7	100	100	50	N	<20	15	10	N	15	N	N	100	N
MAU3351R	N	N	5	<10	30	20	N	N	10	70	150	N	N	N	20	200
MAU3352R	N	N	10	30	30	50	N	<20	20	30	<100	7	N	N	50	N
MAU3354R	N	N	7	10	30	20	N	N	10	50	100	5	N	N	20	500
MAU3356R	N	N	7	15	15	50	N	N	15	<10	N	7	N	N	30	N
MAU3358R	N	N	7	N	70	N	N	N	15	50	<100	<5	N	N	150	50
MEM3392R	N	N	5	<10	<5	20	N	<20	5	30	N	7	N	100	<10	N
MEM3393R	N	N	<5	10	<5	20	N	<20	<5	30	N	7	15	100	20	N
MEM5252R	N	200	N	10	50	<20	5	<20	5	1,500	100	N	N	N	<10	N
MEM5258R	N	N	N	N	<5	<20	N	<20	<5	50	N	N	N	N	<10	N
MEM5259R	N	N	<5	<10	10	N	N	N	5	150	100	N	N	N	10	<50
MEM5260R	N	N	<5	<10	<5	<20	N	N	5	30	N	5	N	150	20	N
MEM5261R	N	N	7	15	<5	20	N	<20	7	30	N	5	N	300	30	N
MEM5355R	N	N	7	10	<5	20	<5	<20	7	50	N	5	N	150	30	N
MEM5356R	N	N	5	10	N	20	N	<20	7	30	N	5	N	200	15	N
MOL0326R	N	N	N	30	<5	30	N	<20	5	15	N	<5	N	N	20	N
MOL0327R	N	N	<5	30	<5	20	N	<20	10	15	N	<5	N	N	20	N
MOL1284R	N	N	70	1,000	150	<20	N	<20	200	30	N	50	N	150	300	N
MOL1285R	N	N	N	20	5	20	N	<20	<5	20	N	<5	N	<100	20	N
MOL1286R	N	N	N	20	7	20	N	N	<5	30	N	<5	N	<100	10	N
MOL1287R	N	N	N	20	7	20	N	N	5	15	N	<5	N	<100	20	N
MOL1288R	N	N	<5	20	10	20	5	N	5	30	N	<5	N	N	15	N
MOL1289R	N	N	5	50	<5	20	N	<20	5	30	N	7	N	<100	30	N
MOL1292R	30	N	<5	<10	1,000	<20	7	<20	5	700	1,000	N	N	N	<10	N
MOL1293R	30	N	N	<10	500	N	N	N	5	300	200	N	N	N	<10	N
MOL1294R	20	N	N	20	1,500	30	N	<20	5	300	700	7	N	<100	30	N
MOL1299R	N	N	5	15	<5	20	N	N	7	15	N	5	N	<100	30	N
MOL1647R	N	N	5	50	20	20	N	<20	5	30	N	N	N	N	30	N
MOL1648R	150	N	N	30	2,000	20	2,000	<20	5	15,000	2,000	5	N	N	50	100
MOL1649R	N	N	<5	50	20	20	10	<20	10	70	N	5	N	<100	50	N
MOL1650R	N	N	<5	30	7	30	5	N	10	20	N	5	N	<100	50	N
MOL1651R	N	N	<5	20	<5	20	N	N	7	20	N	<5	N	N	15	N
MOL1652R	N	N	N	15	<5	20	N	N	5	20	N	<5	N	<100	15	N

CHAPTER F

LATITUDE 46°00'-46°30' LONGITUDE 113°30'-114°00'
TABLE 1. ROCK SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°x2°CUSMAP QUADRANGLE, MONTANA (continued)

SAMPLE	S-Y	S-ZN	S-ZR	S-TH	AA-AU	AA-CU	AA-PB	AA-ZN	AA-AG	AA-CD	AA-BI	AA-SB
KEN0936R	20	N	300	N	--	8	<1	N	N	<.05	N	N
KEN0949R	50	N	200	N	--	2	<1	2	<.05	.05	N	N
MAU1268R	30	N	150	N	--	50	2	4	.11	.08	<1.0	1
MAU1269R	N	N	100	N	--	22	3	4	.09	.06	1.0	2
MAU1270R	N	N	N	N	--	5	4	2	.31	<.05	6.0	2
MAU1271R	<10	N	70	N	--	11	1	2	.05	.16	1.0	<1
MAU1272R	30	N	100	N	--	1	2	8	<.05	.07	<1.0	<1
MAU1273R	N	N	N	N	--	3	73	<1	.96	<.05	11.0	1
MAU1274R	<10	N	30	N	--	11	29	1	2.60	<.05	91.0	1
MAU1275R	15	N	150	N	--	370	2	<1	.33	<.05	1.0	6
MAU1276R	N	N	N	N	--	84	50	2	12.10	.09	1,200.0	71
MAU1277R	30	N	200	N	--	10	4	4	.09	.15	5.0	1
MAU1278R	30	N	300	N	--	19	1	1	.06	<.05	1.0	<1
MAU3351R	20	<200	15	N	10.50	2	13	6	1.40	.32	1.0	4
MAU3352R	100	200	300	N	--	13	17	76	.43	N	1.0	22
MAU3354R	10	500	70	N	2.30	2	9	19	3.10	.50	1.0	3
MAU3356R	30	N	100	N	.14	N	N	1	.20	.36	N	1
MAU3358R	10	N	20	N	--	30	10	6	.23	N	4.0	20
MEM3392R	15	N	20	N	--	1	3	3	<.05	N	1.0	1
MEM3393R	10	N	50	N	--	N	5	3	.06	N	2.0	2
MEM5252R	10	7,000	15	N	4.60	13	>1,000	41	>100.00	1.28	3.0	18
MEM5258R	N	N	20	N	--	1	3	2	.17	<.05	N	N
MEM5259R	<10	<200	15	N	<.05	10	150	29	56.20	1.00	N	13
MEM5260R	15	N	100	N	--	2	2	4	.11	.05	N	N
MEM5261R	N	N	50	N	--	1	1	1	<.05	<.05	N	N
MEM5355R	10	N	50	N	--	1	23	3	<.05	.35	N	N
MEM5356R	50	N	20	N	--	N	4	1	N	.15	N	N
MOL0320R	10	N	300	--	--	N	1	N	N	.29	N	N
MOL0327R	10	N	200	--	--	N	N	N	<.05	.31	N	N
MOL1284R	30	N	150	N	--	68	9	8	.13	.14	<1.0	2
MOL1285R	<10	N	300	N	--	15	1	1	<.05	<.05	<1.0	2
MOL1286R	<10	N	50	N	--	15	<1	1	.05	<.05	<1.0	1
MOL1287R	<10	N	200	N	--	13	<1	<1	<.05	<.05	<1.0	1
MOL1288R	N	N	300	N	--	12	11	1	.08	<.05	<1.0	3
MOL1289R	20	N	500	N	--	5	1	1	<.05	<.05	<1.0	1
MOL1292R	N	N	N	N	--	32	500	33	40.20	.77	17.0	1,800
MOL1293R	N	<200	N	N	--	20	210	3	26.90	.19	13.0	45
MOL1294R	10	200	200	N	--	410	430	47	18.80	2.50	15.0	92
MOL1299R	20	N	150	N	--	4	3	1	.15	<.05	<1.0	1
MOL1647R	<10	N	70	N	--	1	2	2	<.05	<.05	<1.0	1
MOL1648R	20	N	100	N	--	700	8,700	10	20.00	.36	32.0	430
MOL1649R	10	N	100	N	--	4	32	2	.09	<.05	<1.0	2
MOL1650R	15	N	70	N	--	2	11	2	<.05	<.05	<1.0	1
MOL1651R	15	N	100	N	--	2	6	2	<.05	<.05	1.0	1
MOL1652R	N	N	70	N	--	1	7	1	<.05	<.05	<1.0	1

CHAPTER F

LATITUDE 46°00'–46°30' LONGITUDE 113°30'–114°00'

TABLE 1. ROCK SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°x2° CUSMAP QUADRANGLE, MONTANA (continued)

SAMPLE	LATITUDE	LONGITUDE	S-FEX	S-MGX	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE
MOL1653R	46 2 9	113 34 52	1.00	.30	<.05	-.100	200	N	N	N	50	500	1.5
MOL2353R	46 2 53	113 31 27	20.00	-.03	-.05	-.005	100	100.0	1,500	300	N	>5,000	3.0
MOL2354R	46 2 53	113 31 27	1.50	.15	<.05	-.050	20	1.0	N	N	100	300	2.0
MOL2355R	46 2 53	113 31 27	-.30	-.10	<.05	-.050	30	<.5	N	N	70	300	<1.0
MOL2356R	46 2 55	113 31 31	1.50	.20	<.05	-.100	50	.7	N	N	150	300	3.0
MOL5311R	46 4 15	113 32 4	1.00	.15	.70	.003	1,500	200.0	1,500	N	<10	30	N
MOL5313R	46 4 14	113 32 6	5.00	1.50	1.50	.300	>5,000	100.0	5,000	N	100	200	1.5
MOL5314R	46 4 14	113 32 6	5.00	2.00	3.00	-.500	1,000	N	N	N	70	500	<1.0
MOL5315R	46 4 13	113 32 8	5.00	5.00	5.00	-.300	700	N	N	N	30	300	<1.0
QUI0116R	46 28 44	113 40 47	3.00	.50	<.05	.300	70	N	N	N	200	1,000	3.0
QUI0117R	46 28 41	113 40 38	7.00	-.20	<.05	-.200	70	N	N	N	300	200	1.5
QUI0119R	46 28 46	113 40 13	1.50	.30	<.05	.030	70	N	N	N	150	300	1.5
QUI0120R	46 28 9	113 39 57	1.50	-.20	<.05	-.100	70	1.5	N	N	100	500	1.0
QUI0121R	46 28 4	113 40 2	15.00	.30	N	-.300	50	5.0	N	N	500	300	1.5
QUI0122R	46 28 0	113 39 29	1.50	.30	<.05	.500	20	N	N	N	300	500	1.5
QUI0123R	46 28 4	113 39 41	.70	.15	<.05	-.050	50	N	N	N	100	150	1.5
QUI0124R	46 27 40	113 40 55	5.00	.70	-.10	-.500	200	N	N	N	300	300	3.0
QUI0125R	46 26 58	113 40 55	3.00	.70	.15	-.500	300	N	N	N	300	50	3.0
QUI0126R	46 26 21	113 40 52	2.00	1.00	.30	-.300	300	N	N	N	200	1,000	3.0
QUI0127R	46 25 45	113 40 54	3.00	.50	.50	.300	300	N	N	N	300	1,000	3.0
QUI0128R	46 25 8	113 41 45	1.00	-.20	.10	.070	700	N	N	N	70	5,000	2.0
QUI0129R	46 25 1	113 41 59	3.00	.70	.10	.500	150	1.0	N	N	200	1,000	2.0
QUI0130R	46 24 53	113 41 57	2.00	.50	.07	.150	50	10.0	N	N	150	1,000	3.0
QUI0143R	46 24 38	113 38 38	1.50	1.00	.30	.300	300	N	N	N	300	1,000	2.0
QUI0513R	46 26 25	113 39 28	3.00	.03	<.05	.002	300	70.0	N	N	10	100	N
QUI0515R	46 26 1	113 39 29	2.00	.05	.05	-.003	200	<.5	N	N	<10	70	<1.0
QUI0519R	46 25 18	113 40 14	2.00	.70	3.00	.200	500	N	N	N	150	3,000	2.0
QUI0520R	46 25 6	113 40 41	.50	.07	-.10	-.050	700	N	N	N	10	500	<1.0
QUI0545R	46 28 12	113 41 16	7.00	.50	<.05	.200	700	1.0	N	N	300	>5,000	5.0
QUI0546R	46 28 12	113 41 16	3.00	1.00	1.50	.300	700	N	N	N	300	1,500	3.0
QUI0547R	46 28 12	113 41 26	15.00	.15	<.05	.070	500	30.0	N	N	<10	>5,000	2.0
QUI0551R	46 28 2	113 43 3	2.00	1.00	.30	-.300	100	<.5	N	N	150	700	5.0
QUI1203R	46 26 39	113 38 31	.70	.10	<.05	.070	10	N	N	N	150	700	1.5
QUI1204R	46 27 3	113 38 26	.70	.15	<.05	.100	15	N	N	N	70	700	<1.0
QUI1205R	46 27 32	113 38 46	1.00	.20	<.05	.030	15	N	N	N	70	500	2.0
QUI1206R	46 27 30	113 38 46	7.00	.15	N	.020	300	N	N	N	30	100	5.0
QUI1207R	46 27 40	113 38 4	5.00	.70	.20	-.500	500	N	N	N	200	700	2.0
QUI1217R	46 26 7	113 37 40	3.00	1.50	.20	.300	100	N	N	N	300	500	2.0
QUI1218R	46 23 54	113 38 28	2.00	1.50	.20	-.300	500	N	N	N	150	2,000	1.5
QUI1219R	46 23 54	113 38 28	2.00	.20	.07	.200	150	N	N	N	50	1,500	1.5
QUI1220R	46 24 42	113 39 55	1.50	.30	.30	-.200	300	N	N	N	200	1,500	2.0
QUI1234R	46 28 17	113 43 56	.70	.20	.05	.050	10	N	N	N	50	700	1.5
QUI1235R	46 29 57	113 43 46	2.00	.30	.05	-.300	20	N	N	N	70	700	2.0
QUI1605R	46 29 7	113 37 44	5.00	3.00	.30	.700	200	N	N	N	500	1,500	3.0
QUI1622R	46 29 40	113 40 5	.70	.15	<.05	.100	20	N	N	N	300	200	1.5

CHAPTER F

LATITUDE 46°00'-46°30' LONGITUDE 113°30'-114°00'

TABLE 1. ROCK SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1° x 2° CUSMAP QUADRANGLE, MONTANA (continued)

SAMPLE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-W
MOL1653R	N	N	<5	<10	<5	20	N	N	10	20	N	<5	N	N	15	N
MOL2353R	30	N	20	N	5,000	N	N	N	5	500	700	N	N	N	10	N
MOL2354R	N	N	N	10	30	20	N	<20	5	30	N	<5	N	N	10	N
MOL2355R	N	N	N	<10	7	20	N	N	5	20	N	<5	N	N	<10	N
MOL2356R	N	N	5	<10	30	20	N	N	7	200	N	<5	N	N	15	N
MOL5311R	150	>500	5	<10	300	<20	N	N	5	>20,000	500	N	N	N	<10	N
MOL5313R	30	N	20	150	300	20	N	N	30	15,000	300	15	N	200	100	N
MOL5314R	N	N	30	200	70	20	N	N	50	70	N	20	N	500	150	N
MOL5315R	N	N	30	700	30	20	N	<20	100	15	N	20	N	300	100	N
QUI0116R	N	N	5	70	<5	20	N	<20	15	10	N	7	N	N	70	N
QUI0117R	N	N	5	50	<5	<20	N	<20	10	<10	N	5	N	N	50	N
QUI0119R	N	N	5	10	<5	20	N	N	10	15	N	<5	N	N	20	N
QUI0120R	N	N	5	20	10	20	N	N	10	70	N	5	N	N	20	N
QUI0121R	N	N	<5	30	20	<20	N	<20	10	50	N	5	N	N	50	N
QUI0122R	N	N	5	50	<5	20	N	<20	10	10	N	5	N	N	30	N
QUI0123R	N	N	<5	10	<5	20	N	<20	10	<10	N	<5	N	N	15	N
QUI0124R	N	N	7	150	15	20	N	<20	50	20	N	7	N	N	70	N
QUI0125R	N	N	7	150	<5	30	N	<20	30	20	N	7	N	N	70	N
QUI0126R	N	N	5	50	30	30	N	<20	15	30	N	5	N	N	30	N
QUI0127R	N	N	5	70	5	70	N	<20	20	20	N	7	N	N	50	N
QUI0128R	N	N	5	10	10	20	N	N	10	15	N	N	N	200	30	N
QUI0129R	N	N	N	70	10	20	N	<20	15	50	N	5	N	N	50	N
QUI0130R	15	N	N	20	7	20	N	<20	10	30	N	5	N	<100	50	N
QUI0143R	N	N	5	30	<5	20	N	<20	10	20	N	5	N	N	50	N
QUI0513R	N	N	<5	<10	100	<20	15	N	10	20	N	N	N	N	<10	N
QUI0515R	N	N	<5	<10	50	<20	10	N	10	10	N	<5	N	<100	<10	N
QUI0519R	N	N	7	70	<5	20	N	<20	20	15	N	7	N	<100	50	N
QUI0520R	N	N	N	<10	<5	<20	N	N	<5	15	N	<5	N	N	10	N
QUI0545R	N	N	15	70	30	20	10	<20	50	30	N	10	N	N	100	N
QUI0546R	N	N	7	150	<5	30	N	<20	30	10	N	7	N	N	70	N
QUI0547R	20	N	70	50	30	<20	N	N	50	50	N	7	N	N	20	N
QUI0551R	N	N	<5	100	<5	20	N	<20	15	15	N	7	N	N	70	N
QUI1203R	N	N	N	15	N	300	N	N	5	20	N	N	N	N	15	N
QUI1204R	N	N	N	10	<5	20	N	N	<5	20	N	N	N	N	<10	N
QUI1205R	N	N	<5	15	<5	20	N	N	30	20	N	<5	N	N	20	N
QUI1206R	N	N	5	<10	10	<20	N	N	30	<10	N	10	N	N	50	N
QUI1207R	N	N	5	70	N	20	N	<20	30	10	N	7	N	N	50	N
QUI1217R	N	N	10	70	<5	50	N	<20	50	15	N	10	N	N	70	N
QUI1218R	N	N	7	100	5	30	N	<20	30	15	N	7	N	<100	50	N
QUI1219R	N	N	7	50	5	30	5	<20	15	10	N	7	N	N	50	N
QUI1220R	N	N	5	20	<5	30	N	<20	15	10	N	7	N	N	50	N
QUI1234R	N	N	<5	15	<5	20	N	N	5	10	N	5	N	N	15	N
QUI1235R	N	N	<5	30	<5	20	N	<20	7	15	N	<5	N	N	30	N
QUI1605R	N	N	10	200	7	50	N	<20	50	15	N	20	N	<100	150	N
QUI1622R	N	N	N	10	<5	20	N	N	5	10	N	<5	N	N	10	N

CHAPTER F

TABLE 1. ROCK SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°x2° CUSMAP QUADRANGLE, MONTANA (continued)

SAMPLE	S-Y	S-ZN	S-ZR	S-TH	AA-AU	AA-CU	AA-PB	AA-ZN	AA-A6	AA-CD	AA-BI	AA-SB
MOL1653R	<10	N	70	N	--	1	5	1	<.05	<.05	<1.0	1
MOL2353R	N	300	10	N	--	1,600	290	71	54.90	2.43	21.0	70
MOL2354R	10	N	70	N	--	20	19	8	.44	.10	1.0	2
MOL2355R	N	N	70	N	--	2	2	1	.08	N	N	1
MOL2356R	15	N	200	N	--	23	40	22	.13	.17	N	2
MOL5311R	N	>10,000	<10	N	1.00	170	>1,000	470	>100.00	22.40	50.0	86
MOL5313R	20	300	70	N	--	250	6,600	200	25.40	5.37	7.0	240
MOL5314R	20	N	70	N	--	27	35	14	.20	.30	N	3
MOL5315R	30	N	70	N	--	15	4	1	<.05	.05	N	N
QUI0116R	20	N	300	N	--	1	1	12	<.05	.34	N	N
QUI0117R	15	N	200	N	--	3	1	1	<.05	.31	N	N
QUI0119R	10	N	50	N	--	N	4	2	.12	.39	N	1
QUI0120R	20	N	200	N	--	8	31	11	1.41	1.02	N	6
QUI0121R	15	N	300	N	--	20	68	32	1.38	3.62	N	12
QUI0122R	20	N	500	N	--	N	1	2	<.05	.11	N	N
QUI0123R	<10	N	50	N	--	N	2	2	<.05	.06	N	N
QUI0124R	30	N	300	N	--	2	9	9	.09	.39	N	1
QUI0125R	50	N	500	N	--	N	2	7	<.05	.19	N	1
QUI0126R	10	N	700	N	--	10	1	1	<.05	.16	N	N
QUI0127R	30	N	700	N	--	N	1	10	N	.28	N	N
QUI0128R	15	N	500	N	--	N	N	1	N	.12	N	N
QUI0129R	20	N	300	N	--	N	N	6	.52	.21	3.0	N
QUI0130R	15	N	150	N	--	N	N	N	1.68	.11	N	N
QUI0143R	10	N	200	N	--	N	1	1	N	.18	1.0	N
QUI0513R	10	N	N	N	--	470	960	160	80.00	70.00	N	350
QUI0515R	N	N	30	N	--	100	96	10	7.80	7.24	2.0	31
QUI0519R	10	N	150	N	--	27	42	7	5.30	2.64	N	16
QUI0520R	20	N	30	N	--	19	26	7	3.60	1.75	N	10
QUI0545R	30	N	500	N	--	19	13	7	.60	.85	2.0	6
QUI0546R	30	N	500	N	--	2	5	5	.53	.69	N	2
QUI0547R	20	N	30	N	--	50	26	>1,000	.21	1.50	13.0	3
QUI0551R	20	N	500	N	--	2	6	1	.85	.70	N	1
QUI1203R	20	N	100	--	--	N	1	1	<.05	.16	N	N
QUI1204R	<10	N	30	--	--	N	2	1	N	.16	N	N
QUI1205R	<10	N	30	--	--	N	1	N	N	.15	N	N
QUI1206R	15	N	30	--	--	6	3	28	<.05	.49	N	8
QUI1207R	20	N	500	--	--	N	2	3	N	.20	N	N
QUI1217R	30	N	300	--	--	N	2	1	N	.27	N	N
QUI1218R	30	N	300	--	--	N	3	4	N	.35	N	N
QUI1219R	15	N	200	--	--	N	3	2	<.05	.34	N	N
QUI1220R	20	N	300	--	--	N	2	8	N	.41	N	N
QUI1234R	<10	N	50	--	--	1	1	N	<.05	.10	N	N
QUI1235R	10	N	200	--	--	1	1	N	<.05	.09	N	N
QUI1605R	70	N	500	N	--	<1	2	1	<.02	.09	<1.0	<1
QUI1622R	N	N	50	N	--	<1	1	<1	<.02	<.05	<1.0	<1

CHAPTER F

LATITUDE 46°00'-46°30' LONGITUDE 113°30'-114°00'

TABLE 1. ROCK SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°x2°CUSMAP QUADRANGLE, MONTANA (continued)

SAMPLE	LATITUDE	LONGITUDE	S-FEX	S-MGZ	S-CAX	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE
QUI1817R	46 26 50	113 43 55	.70	.15	.07	.070	70	N	N	N	100	300	2.0
QUI1818R	46 26 47	113 43 22	2.00	.70	1.50	.300	500	N	N	N	100	700	2.0
QUI1819R	46 26 47	113 42 49	3.00	1.00	1.50	.700	500	N	N	N	300	1,500	1.5
QUI1820R	46 26 45	113 42 7	2.00	1.00	.15	.150	70	N	N	N	300	1,500	2.0
QUI1821R	46 26 46	113 41 27	2.00	1.00	.20	.200	300	N	N	N	500	2,000	2.0
QUI1822R	46 26 19	113 41 32	3.00	1.50	2.00	.500	300	N	N	N	200	1,000	2.0
QUI1825R	46 25 36	113 42 3	1.00	1.50	3.00	.200	1,000	N	N	N	150	2,000	1.5
QUI1827R	46 25 30	113 42 11	5.00	.03	.07	.005	200	5.0	N	N	10	>5,000	1.0
QUI1839R	46 29 12	113 44 6	1.50	.50	.07	.070	30	N	N	N	70	700	1.5
QUI1840R	46 28 54	113 44 45	1.50	1.00	.10	.150	30	N	N	N	200	700	2.0
QUI1843R	46 29 10	113 44 45	2.00	.50	.10	.300	70	N	N	N	70	1,000	3.0
QUI1845R	46 27 36	113 42 7	2.00	.70	.30	.300	500	N	N	N	500	3,000	1.5
QUI1846R	46 27 35	113 42 21	1.00	.20	.15	.070	150	N	N	N	100	300	3.0
QUI1847R	46 27 31	113 42 38	2.00	.70	.30	.300	300	N	N	N	300	700	3.0
QUI1848R	46 27 25	113 42 59	.50	.10	.05	.070	20	N	N	N	50	>5,000	1.5
QUI1849R	46 27 20	113 43 33	1.00	.30	.07	.200	20	N	N	N	100	500	2.0
QUI1850R	46 27 21	113 44 19	1.50	.70	.03	.150	20	N	N	N	20	300	2.0
QUI1851R	46 27 19	113 44 58	2.00	.50	.15	.300	70	N	N	N	100	1,000	2.0
QUI1915R	46 28 59	113 43 13	3.00	.70	.30	.500	700	N	N	N	500	1,000	3.0
QUI1916R	46 29 9	113 42 1	3.00	.70	.07	.500	700	N	N	N	300	300	3.0
QUI1917R	46 29 21	113 41 23	3.00	1.50	2.00	.500	1,000	N	N	N	500	700	1.5
S0007A	46 18 10	113 30 5	2.00	.30	.30	.150	1,000	20.0	300	N	200	3,000	2.0
S0032A	46 15 20	113 33 20	2.00	1.50	2.00	.500	700	1.0	N	N	15	500	1.5
S0032B	46 15 20	113 33 20	.50	.30	.30	.030	1,000	N	N	N	N	150	1.5
S0042A	46 19 25	113 36 35	1.50	.20	<.05	.100	50	N	N	N	100	150	1.5
S0043A	46 19 15	113 36 5	5.00	.15	<.05	.100	20	<.5	N	N	150	700	2.0
S0044A	46 19 30	113 35 25	5.00	.20	.50	.100	200	2.0	700	N	200	500	1.5
S0060A	46 17 40	113 36 40	1.50	.10	<.05	.070	15	N	300	N	150	200	1.5
S0060B	46 17 40	113 36 40	.70	.30	.10	.200	20	.7	N	N	150	700	2.0
S0061A	46 17 35	113 36 40	1.00	.20	<.05	.150	150	7.0	N	N	100	300	1.5
S0074A	46 19 50	113 33 15	5.00	.07	1.00	.020	150	1.0	300	N	10	>5,000	3.0
S0075A	46 19 50	113 33 15	2.00	.15	3.00	.050	200	N	N	N	<10	1,500	2.0
S0076A	46 17 55	113 36 45	.50	.20	.07	.200	10	N	N	N	50	500	1.5
S0077A	46 17 55	113 36 45	1.00	.07	<.05	.100	20	3.0	<200	N	100	150	1.0
S0078A	46 17 55	113 36 45	1.00	.07	<.05	.100	30	2.0	N	N	70	200	1.5
S0079A	46 18 0	113 36 45	1.50	.07	<.05	.100	10	70.0	500	N	100	200	1.0
S0080A	46 18 0	113 36 45	1.00	.05	<.05	.070	10	50.0	N	N	70	100	1.5
S0081A	46 18 40	113 35 10	2.00	.30	2.00	.300	300	N	N	N	200	700	2.0
SAM1233R	46 29 33	113 45 59	1.00	.30	.15	.150	70	N	N	N	10	1,000	2.0
SAM1841R	46 28 25	113 45 27	.70	.15	.07	.150	300	N	N	N	20	1,000	1.5
SAM1842R	46 28 41	113 45 7	1.00	.30	.07	.200	300	N	N	N	70	700	2.0
SAM1844R	46 29 31	113 45 22	1.00	.20	.05	.150	150	N	N	N	10	500	1.5
SK0328R	46 8 41	113 46 47	2.00	1.00	3.00	.300	700	N	N	N	10	1,500	2.0
SK0329R	46 9 1	113 47 35	3.00	1.00	3.00	.300	500	N	N	N	10	1,000	10.0
SK0330R	46 9 1	113 47 35	1.50	.02	.10	.030	1,500	N	N	N	15	20	7.0

CHAPTER F

LATITUDE 46°00'-46°30' LONGITUDE 113°30'-114°00'

TABLE 1. ROCK SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1° x 2° CUSMAP QUADRANGLE, MONTANA (continued)

SAMPLE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-W
QUI1817R	N	N	<5	10	<5	30	N	N	5	10	N	<5	N	N	15	N
QUI1818R	N	N	<5	50	<5	30	N	<20	7	10	N	7	N	<100	30	N
QUI1819R	N	N	N	100	<5	30	N	<20	7	15	N	7	N	N	50	N
QUI1820R	N	N	5	70	<5	20	N	<20	10	20	N	7	N	<100	30	N
QUI1821R	N	N	7	70	<5	20	N	<20	15	15	N	7	N	N	30	N
QUI1822R	N	N	7	100	<5	30	N	<20	20	20	N	7	N	N	50	N
QUI1825R	N	N	N	15	N	30	N	N	<5	10	N	5	N	N	30	N
QUI1827R	20	N	30	10	5	<20	10	N	15	20	N	<5	N	1,000	20	N
QUI1839R	N	N	N	20	<5	<20	N	<20	5	15	N	<5	N	N	30	N
QUI1840R	N	N	<5	15	<5	20	N	<20	15	15	N	<5	N	N	30	N
QUI1843R	N	N	<5	30	<5	20	N	<20	7	15	N	5	N	N	50	N
QUI1845R	N	N	N	20	N	20	N	<20	5	10	N	5	N	N	30	N
QUI1846R	N	N	N	N	<5	20	N	<20	<5	10	N	5	N	<10	N	N
QUI1847R	N	N	<5	100	<5	30	N	<20	15	15	N	7	N	N	50	N
QUI1848R	N	N	N	<10	<5	<20	N	N	5	10	N	<5	N	700	10	N
QUI1849R	N	N	N	15	<5	30	N	<20	5	15	N	5	N	N	50	N
QUI1850R	N	N	N	20	<5	<20	N	<20	15	<10	N	5	N	N	30	N
QUI1851R	N	N	<5	50	<5	30	N	<20	15	10	N	7	N	N	50	N
QUI1915R	N	N	7	150	<5	70	N	<20	20	20	N	10	N	N	100	N
QUI1916R	N	N	7	100	<5	70	N	<20	20	20	N	10	N	N	100	N
QUI1917R	N	N	10	200	<5	50	N	<20	30	20	N	10	N	N	100	N
S0007A	15	N	5	20	500	20	7	N	5	500	500	<5	N	N	30	150
S0032A	N	N	7	70	20	20	N	N	10	50	N	10	N	300	50	N
S0032B	N	N	<5	15	5	<20	N	N	10	<10	N	N	N	<100	30	N
S0042A	N	N	N	20	<5	20	N	N	5	<10	N	5	N	N	20	N
S0043A	N	N	N	20	10	30	N	N	5	10	N	<5	N	N	20	N
S0044A	30	N	15	15	150	20	N	N	15	100	100	N	N	N	20	N
S0060A	<10	N	<5	20	<5	20	N	N	5	10	N	<5	N	N	15	N
S0060B	<10	N	<5	30	10	30	N	N	5	70	N	5	N	300	30	N
S0061A	N	N	N	30	15	20	N	N	7	100	200	5	N	N	30	N
S0074A	15	N	<5	15	70	20	70	N	10	30	<100	5	N	300	70	<50
S0075A	N	N	<5	15	20	20	10	N	10	30	N	<5	N	N	30	N
S0076A	N	N	N	70	10	20	N	N	5	50	N	5	N	N	50	N
S0077A	N	N	<5	20	15	20	N	N	5	30	N	N	N	N	10	N
S0078A	N	N	<5	15	5	20	N	N	5	50	N	<5	N	N	15	N
S0079A	N	N	<5	20	15	<20	N	N	5	30	<100	<5	N	N	20	<50
S0080A	N	N	N	15	10	<20	N	N	5	15	100	<5	N	N	10	N
S0081A	N	N	5	50	10	30	N	N	7	30	N	5	N	300	50	N
SAM1233R	N	N	<5	20	7	20	N	N	5	10	N	<5	N	<100	15	N
SAM1841R	N	N	N	20	<5	20	N	<20	5	15	N	<5	N	N	20	N
SAM1842R	N	N	<5	20	<5	20	N	<20	5	15	N	5	N	N	30	N
SAM1844R	N	N	N	30	7	20	N	<20	<5	20	N	5	N	N	20	N
SK0328R	N	N	7	30	10	30	N	<20	10	30	N	7	N	700	70	N
SK0329R	N	N	10	30	<5	100	N	<20	10	30	N	7	N	500	70	N
SK0330R	N	N	N	10	<5	20	N	30	5	30	N	20	10	N	N	N

CHAPTER F

LATITUDE 46°00'-46°30' LONGITUDE 113°30'-114°00'

TABLE 1. ROCK SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1° X 2° CUSMAP QUADRANGLE, MONTANA (continued)

SAMPLE	S-Y	S-ZN	S-ZR	S-TH	AA-AU	AA-CU	AA-PB	AA-ZN	AA-AG	AA-CD	AA-BI	AA-SB
QUI1817R	15	N	70	N	--	N	N	1	<.05	.07	N	N
QUI1818R	30	N	300	N	--	N	1	5	<.05	.14	N	N
QUI1819R	20	N	1,000	N	--	N	N	4	<.05	.12	N	N
QUI1820R	20	N	150	N	--	N	N	1	<.05	.09	N	1
QUI1821R	20	N	100	N	--	N	1	3	<.05	.16	N	N
QUI1822R	50	N	700	N	--	N	N	1	<.05	.09	N	N
QUI1825R	10	N	50	N	--	N	N	1	.11	.08	N	N
QUI1827R	<10	N	N	N	--	1	8	N	1.84	.12	8.0	1
QUI1839R	10	N	70	N	--	N	N	N	.05	.16	N	N
QUI1840R	10	N	100	N	--	N	N	1	.05	.16	N	N
QUI1843R	15	N	300	N	--	N	N	1	.08	.17	N	N
QUI1845R	15	N	100	N	--	N	N	4	<.05	.20	N	N
QUI1846R	50	N	70	N	--	N	N	2	.07	.23	N	N
QUI1847R	30	N	30	N	--	N	N	6	<.05	.27	N	N
QUI1848R	<10	N	70	N	--	1	N	--	<.05	.19	N	N
QUI1849R	10	N	100	N	--	1	1	1	<.05	.40	N	N
QUI1850R	15	N	70	N	--	1	1	1	<.05	.48	N	N
QUI1851R	20	N	500	N	--	1	2	2	<.05	.57	N	N
QUI1915R	30	N	300	N	--	N	2	3	N	.17	N	N
QUI1916R	50	N	500	N	--	N	1	4	N	.14	N	N
QUI1917R	70	N	300	N	--	1	1	N	N	.16	N	N
S0007A	15	N	150	N	1.00	--	--	--	--	--	--	--
S0032A	15	N	100	N	<.05	--	--	--	--	--	--	--
S0032B	N	N	20	N	<.05	--	--	--	--	--	--	--
S0042A	15	N	150	N	.12	--	--	--	--	--	--	--
S0043A	15	N	150	N	<.05	--	--	--	--	--	--	--
S0044A	20	N	100	N	.75	--	--	--	--	--	--	--
S0060A	20	N	70	N	<.05	--	--	--	--	--	--	--
S0060B	15	N	70	N	<.05	--	--	--	--	--	--	--
S0061A	20	N	150	N	.40	--	--	--	--	--	--	--
S0074A	10	N	20	N	1.80	--	--	--	--	--	--	--
S0075A	15	N	50	N	1.90	--	--	--	--	--	--	--
S0076A	<10	N	100	N	<.05	--	--	--	--	--	--	--
S0077A	10	N	150	N	.55	--	--	--	--	--	--	--
S0078A	10	N	150	N	.10	--	--	--	--	--	--	--
S0079A	10	N	150	N	.60	--	--	--	--	--	--	--
S0080A	20	N	150	N	.40	--	--	--	--	--	--	--
S0081A	<10	N	100	N	<.05	--	--	--	--	--	--	--
SAM1233R	100	N	100	--	--	4	1	4	<.05	.10	N	N
SAM1841R	20	N	200	N	--	N	N	2	<.05	.15	N	N
SAM1842R	<10	N	300	N	--	N	N	1	<.05	.16	N	N
SAM1844R	20	N	200	N	--	1	N	1	<.05	.17	N	N
SK0328R	20	N	200	--	--	3	2	12	<.05	.33	N	N
SK0329R	50	N	200	--	--	N	12	11	N	.37	N	N
SK0330R	100	N	50	--	--	1	14	12	N	.33	N	N

CHAPTER F

LATITUDE 46°00'-46°30' LONGITUDE 113°30'-114°00'

TABLE 1. ROCK SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°x2°CUSMAP QUADRANGLE, MONTANA (continued)

SAMPLE	LATITUDE	LONGITUDE	S-FEZ	S-MGX	S-CAZ	S-TIZ	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE
SK0331R	46 9 41	113 47 24	3.00	1.00	3.00	.300	700	N	N	N	15	1,500	2.0
SK0332R	46 10 19	113 47 22	3.00	1.00	3.00	.300	1,000	N	N	N	15	1,500	2.0
SK0333R	46 10 58	113 46 53	1.00	1.00	3.00	.300	300	N	N	N	10	700	3.0
SK0334R	46 11 23	113 48 2	3.00	1.00	3.00	.500	700	N	N	N	10	1,500	2.0
SK0335R	46 11 30	113 49 2	5.00	.20	5.00	.700	700	N	N	N	10	500	2.0
SK0336R	46 11 30	113 49 2	.20	.15	.70	.070	100	N	N	N	<10	300	3.0
SK0337R	46 11 30	113 49 2	3.00	5.00	15.00	.300	700	N	N	N	N	150	2.0
SK0338R	46 11 53	113 49 11	1.50	5.00	2.00	.500	150	N	N	N	30	<20	2.0
SK0339R	46 11 53	113 49 11	1.50	2.00	15.00	.500	300	N	N	N	20	<20	1.5
SK0340R	46 12 49	113 49 13	.50	.10	.30	.050	300	N	N	N	15	7.0	7.0
SK0341R	46 13 10	113 47 57	.70	1.50	1.50	.300	150	N	N	N	15	<20	1.0
SK0343R	46 13 32	113 47 2	3.00	2.00	.30	.500	500	N	N	N	150	1,500	2.0
SK0376R	46 11 1	113 48 50	.30	.10	1.00	.030	150	N	N	N	N	100	3.0
SK0377R	46 11 58	113 50 46	5.00	1.00	3.00	.500	700	N	N	N	N	1,500	1.0
SK0378R	46 13 42	113 45 23	5.00	1.00	.50	.300	500	N	N	N	200	700	2.0
SK0379R	46 12 23	113 45 29	2.00	.70	2.00	.300	1,000	N	N	N	15	700	2.0
SK0380R	46 12 47	113 46 36	1.00	.30	1.00	.150	500	N	N	N	N	1,000	2.0
SK0384R	46 10 0	113 49 10	2.00	.70	1.00	.200	500	N	N	N	10	1,500	1.5
SK0741R	46 7 46	113 46 59	.15	1.00	.30	.030	200	N	N	N	10	300	1.0
SK0742R	46 7 46	113 46 59	3.00	1.50	.15	.500	500	N	N	N	10	700	1.5
SK0743R	46 7 58	113 46 11	3.00	5.00	20.00	.300	500	N	N	N	20	200	1.0
SK0744R	46 7 58	113 46 11	1.50	1.00	3.00	.200	700	N	N	N	10	300	1.5
SK0745R	46 8 0	113 46 15	2.00	5.00	10.00	.500	500	N	N	N	<10	70	1.0
SK0746R	46 8 3	113 46 29	3.00	7.00	15.00	.200	1,000	N	N	N	<10	100	1.5
SK0747R	46 8 4	113 46 42	2.00	.70	1.50	.300	700	N	N	N	<10	700	2.0
SK0748R	46 9 6	113 48 13	5.00	1.50	3.00	.700	1,000	N	N	N	10	1,500	1.5
SK0750R	46 8 26	113 49 8	3.00	7.00	15.00	.500	700	N	N	N	15	50	3.0
SK0763R	46 10 52	113 48 23	5.00	2.00	3.00	.700	700	N	N	N	<10	700	1.5
SK0770R	46 10 13	113 48 43	5.00	1.50	3.00	.700	1,000	N	N	N	<10	1,500	1.5
SK0779R	46 11 0	113 49 29	1.50	1.00	1.50	.500	300	N	N	N	15	1,500	2.0
SK0785R	46 8 25	113 49 4	2.00	1.00	1.00	.200	150	N	N	N	<10	1,000	2.0
SK0786R	46 7 56	113 48 14	2.00	5.00	10.00	.200	300	N	N	N	<10	20	1.5
SK0787R	46 7 56	113 48 14	.70	.15	.30	.070	500	N	N	N	20	1,000	2.0
SK0788R	46 7 56	113 48 14	.70	.20	1.00	.070	300	N	N	N	<10	700	2.0
SK0969R	46 11 40	113 47 14	3.00	1.00	2.00	.300	500	N	N	N	10	1,500	2.0
SK0978R	46 11 54	113 46 19	3.00	1.00	2.00	.300	700	N	N	N	10	1,500	3.0
SK0985R	46 11 48	113 45 36	1.00	.50	1.50	.100	300	N	N	N	<10	1,500	3.0
SK0987R	46 13 58	113 48 4	7.00	5.00	15.00	.200	500	N	N	N	70	2.0	2.0
SK0988R	46 14 24	113 48 30	1.50	1.00	1.50	.500	150	N	N	N	100	300	2.0
SK0989R	46 14 20	113 48 48	1.50	.50	.15	.150	70	N	N	N	20	150	2.0
SK0990R	46 14 11	113 49 4	2.00	2.00	10.00	.200	300	N	N	N	30	200	<1.0
SK0991R	46 13 53	113 49 42	2.00	5.00	10.00	.300	300	N	N	N	10	50	3.0
SK0992R	46 13 45	113 50 4	2.00	3.00	7.00	.300	300	N	N	N	15	20	1.5
SK0997R	46 8 1	113 48 1	3.00	1.00	2.00	.300	1,000	N	N	N	10	1,500	2.0
SK0998R	46 7 57	113 48 16	5.00	10.00	15.00	.200	500	N	N	N	15	<20	3.0

CHAPTER F

LATITUDE 46°00'-46°30' LONGITUDE 113°30'-114°00'

TABLE 1. ROCK SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°x2° CUSMAP QUADRANGLE, MONTANA (continued)

SAMPLE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-W
SK0331R	N	N	10	70	10	<20	N	<20	10	50	N	10	N	1,000	100	N
SK0332R	N	N	10	50	7	30	N	<20	10	30	N	10	N	1,000	70	N
SK0333R	N	N	5	50	<5	50	N	<20	10	20	N	7	N	500	70	N
SK0334R	N	N	7	70	15	50	N	<20	10	30	N	10	N	1,000	100	N
SK0335R	N	N	20	70	7	50	N	<20	20	10	N	30	N	700	200	N
SK0336R	N	N	<5	10	<5	<20	N	<20	<5	20	N	5	N	<100	10	N
SK0337R	N	N	7	100	<5	20	N	<20	15	<10	N	10	N	<100	70	N
SK0338R	N	N	7	200	<5	200	N	<20	15	<10	N	20	N	N	150	N
SK0339R	N	N	7	100	5	20	N	<20	20	<10	N	7	N	N	70	N
SK0340R	N	N	<5	<10	<5	20	N	<20	5	30	N	7	N	N	<10	N
SK0341R	N	N	<5	30	<5	20	N	<20	7	<10	N	7	N	N	50	N
SK0343R	N	N	10	150	10	50	N	<20	30	20	N	10	N	<100	70	N
SK0376R	N	N	<5	10	<5	100	N	<20	<5	30	N	7	N	<100	<10	N
SK0377R	N	N	15	50	5	20	N	<20	10	20	N	10	N	1,000	70	N
SK0378R	N	N	10	100	15	70	N	<20	30	30	N	10	N	150	50	N
SK0379R	N	N	7	20	15	20	N	<20	10	50	N	7	N	500	70	N
SK0380R	N	N	7	10	<5	20	N	<20	5	70	N	5	N	200	15	N
SK0384R	N	N	7	20	<5	30	N	<20	5	30	N	7	N	200	30	N
SK0741R	N	N	N	N	<5	N	N	N	5	30	N	5	N	N	<10	N
SK0742R	N	N	7	100	<5	50	N	<20	30	20	N	10	N	N	70	N
SK0743R	N	N	7	70	5	20	N	<20	15	N	N	10	N	N	70	N
SK0744R	N	N	5	20	<5	20	N	<20	7	15	N	10	N	300	50	N
SK0745R	N	N	7	100	<5	30	<5	<20	10	<10	N	7	N	<100	70	N
SK0746R	N	N	10	50	<5	20	N	<20	15	<10	N	15	N	<100	70	N
SK0747R	N	N	<5	10	5	150	N	<20	5	20	N	20	N	200	50	N
SK0748R	N	N	15	70	15	30	<5	<20	20	30	N	20	N	700	100	N
SK0750R	N	N	10	100	<5	30	N	<20	30	<10	N	15	N	N	70	N
SK0763R	N	N	20	20	7	30	N	<20	20	30	N	30	N	500	150	N
SK0770R	N	N	15	70	10	<20	N	<20	20	30	N	10	N	500	150	N
SK0779R	N	N	<5	<10	<5	30	<5	<20	7	30	N	5	N	300	50	N
SK0785R	N	N	5	<10	<5	70	<5	<20	5	30	N	10	N	200	30	N
SK0786R	N	N	7	50	5	20	N	<20	20	N	N	10	N	<100	30	N
SK0787R	N	N	<5	<10	<5	30	N	<20	5	30	N	5	N	150	<10	N
SK0788R	N	N	<5	<10	<5	20	N	N	<5	30	N	<5	N	200	10	N
SK0969R	N	N	10	50	<5	20	N	<20	15	30	N	10	N	500	70	N
SK0978R	N	N	10	50	<5	20	N	<20	10	30	N	7	N	500	100	N
SK0985R	N	N	<5	15	<5	70	N	N	7	30	N	5	N	300	30	N
SK0987R	N	N	70	200	7	N	N	N	150	<10	N	15	N	200	100	N
SK0988R	N	N	7	100	7	50	N	<20	15	10	N	7	N	N	50	N
SK0989R	N	N	5	50	<5	20	N	<20	10	10	N	5	N	N	30	N
SK0990R	N	N	10	100	20	20	N	<20	30	<10	N	7	N	N	30	N
SK0991R	N	N	5	100	10	20	N	<20	20	<10	N	10	N	N	70	N
SK0992R	N	N	<5	70	10	<20	N	<20	30	20	N	10	N	N	50	N
SK0997R	N	N	7	20	<5	50	N	<20	10	30	N	7	N	500	70	N
SK0998R	N	N	10	150	<5	<20	N	<20	20	N	N	10	N	N	70	N

CHAPTER F LATITUDE 46°00'-46°30' LONGITUDE 113°30'-114°00'

TABLE 1. ROCK SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1° X 2° CUSMAP QUADRANGLE, MONTANA (continued)

SAMPLE	S-Y	S-ZN	S-ZR	S-TH	AA-AU	AA-CU	AA-PB	AA-ZN	AA-AG	AA-CD	AA-BI	AA-SB
SK0331R	30	N	70	--	--	1	2	10	N	-39	N	N
SK0332R	30	N	150	--	--	2	3	12	<.05	-39	N	N
SK0333R	30	N	100	--	--	1	2	5	N	-38	N	N
SK0334R	50	N	200	--	--	2	3	14	<.05	-42	N	N
SK0335R	50	N	300	--	--	2	1	4	N	-41	N	N
SK0336R	50	N	70	--	--	N	1	N	N	-38	N	N
SK0337R	50	N	200	--	--	1	1	7	N	-59	N	N
SK0338R	20	N	200	--	--	N	1	N	N	-44	N	N
SK0339R	50	N	150	--	--	2	1	2	<.05	-52	N	N
SK0340R	30	N	30	--	--	N	1	N	N	-45	N	N
SK0341R	70	N	200	--	--	1	2	1	N	N	N	N
SK0343R	50	N	300	--	--	1	2	2	<.05	N	N	N
SK0376R	15	N	20	--	--	1	4	2	N	-11	N	N
SK0377R	20	N	50	--	--	1	2	6	N	-07	N	N
SK0378R	50	N	200	--	--	1	1	1	N	-09	N	N
SK0379R	50	N	150	--	--	2	2	14	N	-12	N	N
SK0380R	15	N	50	--	--	1	2	4	N	-07	N	N
SK0384R	30	N	70	--	--	N	3	5	<.05	-09	N	N
SK0741R	20	N	30	N	--	<1	1	1	<.02	<.05	<1.0	<1
SK0742R	150	N	300	N	--	<1	1	2	<.02	<.05	<1.0	<1
SK0743R	30	N	200	N	--	3	1	3	<.02	-07	<1.0	<1
SK0744R	50	N	150	N	--	<1	2	3	<.02	-05	<1.0	<1
SK0745R	30	N	300	N	--	<1	<1	4	<.02	<.05	<1.0	<1
SK0746R	30	N	150	N	--	<1	1	10	<.02	-11	<1.0	<1
SK0747R	100	N	1,000	N	--	1	4	5	<.02	<.05	<1.0	<1
SK0748R	30	N	300	N	--	1	<1	3	<.02	<.05	<1.0	<1
SK0750R	70	N	300	N	--	<1	1	3	<.02	<.05	<1.0	<1
SK0763R	70	N	70	N	--	<1	3	3	<.02	<.05	<1.0	<1
SK0770R	20	N	70	N	--	1	1	2	<.02	<.05	<1.0	<1
SK0779R	30	N	200	N	--	<1	1	2	<.02	<.05	<1.0	<1
SK0785R	30	N	70	N	--	<1	3	1	<.02	<.05	<1.0	<1
SK0786R	50	N	100	N	--	1	1	1	<.02	<.05	<1.0	<1
SK0787R	20	N	30	N	--	1	4	5	<.02	-06	<1.0	<1
SK0788R	15	N	70	N	--	<1	4	2	<.02	<.05	<1.0	<1
SK0969R	20	N	200	N	--	N	N	4	<.05	-09	N	N
SK0978R	20	N	100	N	--	N	1	6	N	-06	N	N
SK0985R	30	N	50	N	--	N	1	2	<.05	-07	N	N
SK0987R	20	N	200	N	--	1	3	N	N	-07	N	N
SK0988R	20	N	200	N	--	3	2	N	N	-08	N	N
SK0989R	10	N	200	N	--	N	3	1	N	-06	N	N
SK0990R	20	N	200	N	--	11	1	N	N	-11	N	N
SK0991R	50	N	200	N	--	5	1	N	N	-10	N	N
SK0992R	20	N	200	N	--	1	1	1	N	-13	N	N
SK0997R	50	N	200	N	--	N	1	10	N	-14	N	N
SK0998R	70	N	200	N	--	N	N	N	N	-10	N	N

CHAPTER F

LATITUDE 46°00'-46°30' LONGITUDE 113°30'-114°00'

TABLE 1. ROCK SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°x2°CUSMAP QUADRANGLE, MONTANA (continued)

SAMPLE	LATITUDE	LONGITUDE	S-FEX	S-MGX	S-CAZ	S-TIX	S-MN	S-AG	S-AU	S-B	S-BA	S-BE
SK0999R	46 7 57	113 48 16	.50	.30	.30	.200	200	N	N	10	300	3.0
SK2666R	46 11 52	113 52 9	.07	<.02	.05	.010	30	N	N	N	50	N
SK2667R	46 11 52	113 52 9	1.00	.30	1.00	.300	200	N	N	10	300	2.0
SK2668R	46 11 54	113 52 14	3.00	<.02	.07	.200	300	N	N	<10	150	1.5
SK2669R	46 11 49	113 52 13	2.00	.70	2.00	.300	500	N	N	<10	1,000	1.5
SK749MA	46 9 5	113 48 12	2.00	1.00	2.00	.300	700	N	N	10	1,000	2.0
SK749MB	46 9 5	113 48 12	3.00	1.50	1.50	.500	700	N	N	10	1,500	1.5
SK749MC	46 9 5	113 48 12	2.00	1.00	2.00	.300	700	N	N	10	1,500	1.5
SK749MD	46 9 5	113 48 12	2.00	1.00	2.00	.200	700	N	N	<10	1,000	1.5
STC0145R	46 22 15	113 37 44	1.50	.30	.10	.100	300	N	N	200	300	3.0
STC0146R	46 22 4	113 37 44	3.00	7.00	15.00	.200	700	N	N	<10	100	N
STC1035R	46 15 51	113 37 57	1.50	.50	1.50	.300	150	N	N	50	1,000	1.5
STC3243R	46 18 23	113 39 38	1.00	<.02	<.05	<.002	10	30.0	10	<10	>5,000	<1.0
STC3244R	46 18 23	113 39 38	2.00	.15	.05	.500	70	1.0	N	<10	300	1.0
STC3245R	46 18 23	113 39 38	.70	.10	.07	.150	30	<.5	N	<10	500	1.0
STC3246R	46 18 23	113 39 34	1.00	<.02	<.05	.002	15	50.0	10	N	>5,000	1.0
STC3247R	46 18 23	113 39 34	1.50	.15	.05	.200	50	.5	N	<10	500	2.0
STC3248R	46 18 23	113 39 34	1.00	.15	.07	.150	30	N	N	<10	700	1.5
STC3251R	46 18 36	113 39 58	.50	<.02	<.05	.015	20	3.0	N	N	2,000	N
STC3252R	46 18 36	113 39 58	5.00	.05	N	.150	70	5.0	N	N	700	<1.0
STC3253R	46 18 36	113 39 58	.70	.20	.15	.150	50	N	N	<10	500	2.0
WHE0078R	46 6 3	113 42 17	3.00	.70	1.50	.300	500	N	N	<10	1,500	2.0
WHE0103R	46 0 5	113 40 31	3.00	7.00	10.00	.300	700	N	N	30	1,000	2.0
WHE0104R	46 0 10	113 40 41	1.50	.30	2.00	.200	500	N	N	<10	1,000	3.0
WHE0321R	46 2 58	113 37 50	2.00	.70	.07	.300	200	N	N	300	700	2.0
WHE0322R	46 3 0	113 38 35	2.00	.50	.10	.500	100	N	N	700	1,000	2.0
WHE0323R	46 3 2	113 38 28	2.00	.30	.15	.070	700	<.5	N	700	2,000	1.0
WHE0324R	46 3 43	113 38 59	3.00	1.00	.15	.500	500	N	N	1,500	2,000	2.0
WHE0325R	46 4 17	113 38 23	2.00	1.50	.30	.300	500	N	N	100	1,000	2.0
WHE0358R	46 5 48	113 38 2	3.00	1.00	2.00	.300	1,000	N	N	<10	1,500	1.5
WHE0361R	46 4 38	113 41 50	3.00	1.00	2.00	.500	1,000	N	N	<10	700	2.0
WHE0693R	46 6 57	113 42 42	2.00	.70	3.00	.500	700	N	N	10	1,000	3.0
WHE0698R	46 6 49	113 40 35	.50	.30	1.50	.070	500	N	N	10	500	2.0
WHE0705R	46 0 49	113 44 59	3.00	7.00	5.00	.300	700	N	N	10	2,000	2.0
WHE0716R	46 1 26	113 44 5	1.50	.70	1.50	.300	700	N	N	10	700	3.0
WHE0718R	46 0 50	113 42 49	1.50	1.00	3.00	.700	1,000	N	N	<10	1,000	2.0
WHE0751R	46 0 26	113 44 30	2.00	7.00	10.00	.300	1,000	N	N	15	1,500	2.0
WHE0755R	46 0 1	113 43 55	3.00	3.00	15.00	.300	700	N	N	70	300	1.5
WHE0838R	46 1 2	113 42 3	3.00	1.00	3.00	.300	300	N	N	<10	1,500	1.0
WHE0862R	46 2 30	113 44 4	2.00	1.00	<.05	.300	70	N	N	700	1,000	1.0
WHE0863R	46 2 50	113 44 26	2.00	.70	.07	.300	70	N	N	300	700	3.0
WHE0864R	46 2 54	113 44 47	2.00	.70	.10	.300	100	N	N	200	700	2.0
WHE0865R	46 3 3	113 43 50	3.00	.70	<.05	.500	20	N	N	500	700	1.5
WHE0866R	46 3 27	113 43 25	2.00	1.50	.10	.300	200	<.5	N	200	1,500	3.0
WHE0867R	46 3 51	113 43 10	2.00	1.50	.15	.300	300	N	N	200	1,000	2.0

CHAPTER F

LATITUDE 46°00'–46°30' LONGITUDE 113°30'–114°00'

TABLE 1. ROCK SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°x2° CUSMAP QUADRANGLE, MONTANA (continued)

SAMPLE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-W
SK0999R	N	N	N	10	7	20	N	<20	5	15	N	10	N	N	10	N
SK2666R	N	N	<5	<10	15	20	500	N	<5	N	N	<5	N	N	<10	N
SK2667R	N	N	5	N	7	20	10	<20	20	20	N	5	N	200	30	N
SK2668R	N	N	10	<10	7	20	N	<20	10	15	N	7	N	N	50	N
SK2669R	N	N	7	<10	7	20	N	N	7	20	N	7	N	300	50	N
SK749MA	N	N	10	15	7	30	N	<20	10	30	N	7	N	300	70	N
SK749MB	N	N	15	20	7	30	N	<20	20	30	N	10	N	300	100	N
SK749MC	N	N	10	20	10	30	N	<20	15	30	N	7	N	500	50	N
SK749MD	N	N	10	20	7	30	N	<20	15	30	N	7	N	300	70	N
STC0145R	N	N	N	<10	10	20	N	<20	7	10	N	5	N	N	10	N
STC0146R	N	N	N	50	<5	<20	N	<20	30	10	N	7	N	N	50	N
STC1035R	N	N	7	50	7	30	N	<20	20	30	N	5	N	500	50	N
STC3243R	70	N	10	<10	500	<20	N	N	20	150	N	N	N	300	N	N
STC3244R	N	N	5	30	20	70	N	<20	15	20	N	<5	N	N	50	N
STC3245R	N	N	N	10	<5	20	N	<20	<5	15	N	<5	N	N	15	N
STC3246R	30	N	<5	<10	150	<20	10	N	5	200	200	<5	N	300	<10	N
STC3247R	N	N	N	20	7	30	N	<20	7	15	N	5	N	N	50	N
STC3248R	N	N	N	10	5	<20	N	<20	5	15	N	5	N	N	20	N
STC3251R	N	N	N	<10	10	<20	N	<20	<5	30	N	N	N	N	<10	N
STC3252R	N	N	5	20	30	<20	70	<20	10	30	N	5	N	N	30	N
STC3253R	N	N	<5	15	15	20	N	<20	5	20	N	5	N	N	70	N
WHE0078R	N	N	7	20	7	200	N	<20	10	50	N	7	N	300	50	N
WHE0103R	N	N	7	50	5	50	N	<20	15	30	N	7	N	N	50	N
WHE0104R	N	N	<5	10	50	30	N	<20	5	30	N	5	N	500	30	N
WHE0321R	N	N	N	50	5	20	N	<20	10	15	N	5	N	N	30	N
WHE0322R	N	N	<5	100	<5	30	N	<20	10	<10	N	5	N	N	50	N
WHE0323R	N	N	5	50	5	20	N	N	10	10	N	<5	N	N	50	N
WHE0324R	N	N	10	100	70	70	N	<20	30	10	N	7	N	N	70	N
WHE0325R	N	N	10	150	<5	30	N	<20	30	15	N	7	N	<100	50	N
WHE0358R	N	N	7	15	7	20	N	<20	10	30	N	7	N	300	70	N
WHE0361R	N	N	10	50	10	20	N	<20	15	50	N	10	N	500	50	N
WHE0693R	N	N	7	15	<5	20	<5	<20	10	30	N	7	N	500	70	N
WHE0698R	N	N	<5	<10	<5	<20	N	<20	5	30	N	<5	N	300	15	N
WHE0705R	N	N	7	150	10	30	N	<20	15	50	N	10	N	<100	70	N
WHE0716R	N	N	7	<10	N	50	N	<20	5	30	N	7	N	300	50	N
WHE0718R	N	N	7	20	5	70	N	20	7	30	N	7	N	500	70	N
WHE0751R	N	N	7	30	10	100	5	<20	15	20	N	7	N	100	50	N
WHE0755R	N	N	7	70	30	50	N	<20	20	50	N	10	N	100	70	N
WHE0836R	N	N	<5	15	<5	20	N	N	5	30	N	5	N	200	20	N
WHE0862R	N	N	7	20	<5	<20	N	<20	10	N	N	N	N	N	15	N
WHE0863R	N	N	7	50	<5	50	N	<20	20	<10	N	7	N	N	50	N
WHE0864R	N	N	7	50	<5	50	N	<20	15	15	N	7	N	N	30	N
WHE0865R	N	N	5	15	<5	20	N	<20	10	N	N	5	N	N	30	N
WHE0866R	N	N	7	150	<5	20	N	<20	15	20	N	7	N	N	30	N
WHE0867R	N	N	7	70	<5	20	N	<20	20	15	N	5	N	N	30	N

CHAPTER F

LATITUDE 46°00'-46°30' LONGITUDE 113°30'-114°00'

TABLE 1. ROCK SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1° X 2° CUSMAP QUADRANGLE, MONTANA (continued)

SAMPLE	S-Y	S-ZN	S-ZR	S-TH	AA-AU	AA-CU	AA-PB	AA-ZN	AA-A6	AA-C0	AA-BI	AA-SB
SK0999R	70	N	50	N	--	N	1	N	N	.09	N	N
SK2666R	N	N	N	N	--	3	1	N	N	N	N	N
SK2667R	20	N	70	N	--	1	2	3	<.05	N	N	N
SK2668R	15	N	200	N	--	1	7	17	<.05	N	1.0	1
SK2669R	15	N	50	N	--	1	4	4	<.05	N	N	N
SK749MA	20	N	70	N	<.05	N	1	3	<.05	N	2.0	3
SK749MB	15	N	100	N	<.05	N	12	N	<.05	N	2.0	3
SK749MC	15	N	100	N	<.05	2	4	4	.05	.07	N	N
SK749MD	20	N	100	N	<.05	1	3	3	<.05	<.05	N	N
STC0145R	20	N	150	N	--	N	1	1	N	.30	N	N
STC0146R	20	N	200	N	--	N	16	11	<.05	.57	N	1
STC1035R	10	N	100	N	--	N	1	2	N	.07	N	N
STC3243R	N	N	10	N	8.70	63	120	1	27.10	.16	32.0	3
STC3244R	200	N	300	N	--	11	6	5	.10	.05	N	1
STC3245R	15	N	200	N	--	1	2	1	<.05	N	N	N
STC3246R	N	N	10	N	14.80	1	N	1	.80	.18	1.0	2
STC3247R	15	N	200	N	--	4	4	4	.33	.06	N	1
STC3248R	15	N	100	N	--	1	2	2	.05	<.05	N	N
STC3251R	<10	N	50	N	--	5	14	1	.94	N	N	N
STC3252R	20	N	300	N	--	14	8	8	2.04	N	2.0	2
STC3253R	20	N	150	N	--	11	1	1	.06	N	N	1
WHE0078R	30	N	70	N	--	4	3	8	<.05	.21	N	N
WHE0103R	50	N	200	N	--	6	3	1	<.05	.33	N	N
WHE0104R	30	N	150	N	--	22	2	6	.11	.24	N	1
WHE0321R	15	N	300	--	--	2	3	5	<.05	.17	N	1
WHE0322R	20	N	300	--	--	N	1	N	<.05	.19	N	N
WHE0323R	10	N	100	--	--	2	5	30	.09	.61	N	4
WHE0324R	30	N	300	--	--	14	2	1	<.05	.25	N	N
WHE0325R	20	N	500	--	--	N	2	N	N	.28	N	N
WHE0358R	20	N	100	--	--	N	2	8	<.05	.10	N	N
WHE0361R	70	N	300	--	--	1	3	13	N	.05	N	N
WHE0693R	50	N	50	N	--	1	1	3	<.02	<.05	<1.0	<1
WHE0698R	N	N	20	N	--	1	3	4	<.02	<.05	<1.0	<1
WHE0705R	30	N	300	N	--	3	18	4	.07	<.05	<1.0	<1
WHE0716R	30	N	200	N	--	<1	2	7	<.02	.07	<1.0	<1
WHE0718R	150	N	100	N	--	1	1	2	<.02	<.05	<1.0	<1
WHE0751R	50	N	200	N	--	3	3	2	<.02	<.05	<1.0	<1
WHE0755R	30	N	200	N	--	9	12	10	.03	.05	1.0	<1
WHE0838R	10	N	100	N	--	N	N	3	<.05	.28	N	N
WHE0862R	100	N	200	N	--	N	N	N	<.05	.39	N	N
WHE0863R	50	N	300	N	--	N	N	N	<.05	.41	N	N
WHE0864R	50	N	300	N	--	N	N	N	.16	.44	N	N
WHE0865R	30	N	300	N	--	N	N	N	.11	.44	N	N
WHE0866R	50	N	100	N	--	N	N	N	.05	.43	N	N
WHE0867R	<10	N	200	N	--	N	N	N	<.05	.49	N	N

CHAPTER F

LATITUDE 46°00'-46°30' LONGITUDE 113°30'-114°00'

TABLE 1. ROCK SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°x2°CUSMAP QUADRANGLE, MONTANA (continued)

SAMPLE	LATITUDE	LONGITUDE	S-FEZ	S-MGZ	S-CAZ	S-TIZ	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE
WHE0868R	46 4 4	113 43 27	1.50	1.50	.15	.200	300	N	N	N	200	700	2.0
WHE0958R	46 2 10	113 41 28	1.50	.70	2.00	.300	700	N	N	N	<10	1,000	3.0
WHE0959R	46 2 21	113 42 35	3.00	1.00	3.00	.500	1,000	N	N	N	<10	1,500	3.0
WHE0960R	46 2 18	113 43 42	5.00	7.00	5.00	.300	700	N	N	N	<10	3,000	1.5
WHE0961R	46 2 18	113 43 42	3.00	.50	1.50	.300	700	N	N	N	10	1,000	3.0
WHE1631R	46 0 32	113 40 16	3.00	.70	.07	.300	5,000	7.0	N	N	200	1,000	3.0
WHE1632R	46 0 31	113 38 32	1.00	1.00	.10	.150	300	N	N	N	70	1,000	1.5
WHE1633R	46 0 51	113 40 54	2.00	.70	1.00	.150	700	.7	N	N	>2,000	300	2.0
WHE1634R	46 0 51	113 40 54	3.00	1.00	2.00	.300	3,000	N	N	N	50	1,000	3.0
WHE1635R	46 0 51	113 40 54	3.00	1.50	3.00	.300	1,000	N	N	N	<10	1,500	1.5
WHE1636R	46 2 27	113 38 58	3.00	7.00	7.00	.300	2,000	N	N	N	10	700	1.0
WHE254R	46 7 29	113 39 49	.20	.02	<.05	.010	50	700.0	N	N	<10	200	1.0
WHE255R	46 7 29	113 39 49	1.50	.15	.30	.100	100	20.0	N	N	70	300	3.0
WHE256R	46 7 29	113 39 49	.70	.02	<.05	.010	700	1,000.0	N	N	<10	300	1.5
WHE257R	46 7 29	113 39 49	1.00	.15	.70	.150	150	10.0	N	N	10	500	5.0
WHE6277R	46 4 28	113 42 45	20.00	.20	.10	.200	200	1.5	N	N	20	3,000	1.5
WHE6349R	46 4 31	113 42 51	2.00	.20	<.05	.070	1,500	<.5	N	N	50	700	2.0
WHE6350R	46 4 31	113 42 51	1.50	.20	<.05	.050	300	<.5	N	N	50	300	1.5
WHE6351R	46 4 31	113 42 51	15.00	.02	N	<.002	50	30.0	N	70	10	1,000	2.0
WHE6352R	46 4 31	113 42 53	1.00	.30	.07	.070	500	N	N	N	50	500	1.5
WHE6353R	46 4 33	113 42 53	10.00	.05	N	.007	100	1.0	N	N	N	1,000	1.5
WHE6354R	46 4 38	113 42 43	>20.00	.07	N	.020	100	N	N	N	N	1,500	1.0
WIM1344R	46 21 51	113 59 8	>20.00	1.50	1.50	.030	150	1.0	500	N	N	150	1.0
WIM1345R	46 21 53	113 59 13	1.00	1.50	2.00	.070	300	<.5	N	N	<10	50	2.0
WIM1722R	46 19 54	113 55 32	1.00	1.50	>20.00	.150	150	N	N	N	N	3,000	<1.0
WIM1723R	46 19 54	113 55 32	1.50	2.00	10.00	.200	100	N	N	N	N	300	1.5
WIM1724R	46 19 54	113 55 32	2.00	7.00	7.00	.150	200	N	N	N	10	150	2.0
WIM1725R	46 19 54	113 55 32	2.00	5.00	20.00	.200	200	N	N	N	<10	200	1.0
WIM1726R	46 19 54	113 55 32	2.00	3.00	15.00	.200	500	N	N	N	200	500	2.0
WIM1727R	46 19 54	113 55 32	7.00	2.00	3.00	.500	150	N	N	N	<10	300	1.5
WIM1728R	46 19 54	113 55 32	7.00	1.50	3.00	.500	100	N	N	N	<10	300	1.0
WIM2601R	46 15 30	113 54 17	10.00	5.00	15.00	.700	1,500	N	N	N	N	700	N
WIM2602R	46 15 30	113 54 17	7.00	1.50	5.00	.700	2,000	N	N	N	N	2,000	<1.0
WIM2607R	46 15 24	113 54 14	.70	.15	.30	.150	100	N	N	N	<10	300	1.0
WIM2608R	46 15 42	113 53 16	.70	.15	.70	.070	300	N	N	N	<10	2,000	N
WIM2609R	46 15 42	113 53 16	10.00	1.50	10.00	.700	1,500	N	N	N	N	300	<1.0

CHAPTER F

LATITUDE 46°00'--46°30' LONGITUDE 113°30'--114°00'

TABLE 1. ROCK SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°x2°CUSMAP QUADRANGLE, MONTANA (continued)

SAMPLE	S-BI	S-CO	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-W
WHE0868R	N	N	7	20	<5	20	N	<20	20	10	N	5	N	N	30	N
WHE0958R	N	N	7	15	7	30	N	N	7	30	N	7	N	300	50	N
WHE0959R	N	N	10	30	7	150	N	<20	15	30	N	7	N	700	70	N
WHE0960R	N	N	10	100	30	20	N	<20	20	30	N	10	N	N	50	N
WHE0961R	N	N	5	30	<5	200	N	<20	5	30	N	7	N	300	50	N
WHE1631R	N	N	15	30	200	50	5	<20	15	1,000	N	10	N	N	100	<50
WHE1632R	N	N	7	50	5	30	N	N	7	30	N	5	N	N	30	N
WHE1633R	N	N	5	15	15	20	30	<20	7	70	N	7	N	<100	70	N
WHE1634R	N	N	7	30	20	20	N	<20	15	500	N	7	N	100	100	N
WHE1635R	N	N	10	30	10	20	N	<20	10	30	N	10	N	500	100	N
WHE1636R	N	N	10	100	15	30	N	<20	15	10	N	10	N	N	70	N
WHE5254R	N	N	N	<10	15	N	N	N	5	700	N	N	N	N	10	N
WHE5255R	N	N	5	10	20	20	N	<20	5	300	N	7	N	100	50	N
WHE5256R	N	70	<5	<10	70	N	10	N	5	5,000	150	N	N	N	15	N
WHE5257R	N	N	<5	<10	7	50	N	<20	5	70	N	5	N	300	20	N
WHE6277R	N	N	100	50	7	30	N	<20	10	10	N	5	N	N	30	N
WHE6349R	N	N	20	30	5	20	N	N	15	<10	N	<5	N	N	30	N
WHE6350R	N	N	5	15	<5	<20	N	N	10	<10	N	N	N	N	20	N
WHE6351R	50	N	15	15	30	<20	N	N	30	50	N	N	N	N	70	N
WHE6352R	N	N	N	15	<5	<20	N	N	5	10	N	5	N	N	15	N
WHE6353R	20	N	15	20	50	N	N	N	20	20	N	N	N	N	50	N
WHE6354R	N	N	50	20	<5	N	N	N	50	15	N	5	70	N	50	100
WIM1344R	20	N	100	N	500	<20	70	N	50	10	N	10	N	N	20	N
WIM1345R	N	N	150	50	1,500	20	N	<20	500	15	N	7	N	N	15	N
WIM1722R	N	N	<5	20	<5	100	N	N	<5	N	N	20	N	<100	30	N
WIM1723R	N	N	7	50	<5	20	N	<20	7	<10	N	7	N	N	50	N
WIM1724R	N	N	7	70	<5	20	N	<20	10	<10	N	7	N	N	50	N
WIM1725R	N	N	15	70	<5	50	N	<20	10	<10	N	15	N	N	50	N
WIM1726R	N	N	7	70	5	30	N	<20	10	10	N	7	N	100	30	N
WIM1727R	N	N	7	15	5	30	N	<20	15	<10	N	15	N	150	300	N
WIM1728R	N	N	7	20	5	70	N	<20	10	<10	N	15	N	150	300	N
WIM2601R	N	N	50	20	20	<20	N	N	30	<10	N	50	N	200	200	N
WIM2602R	N	N	70	70	10	20	N	N	30	N	N	50	N	<100	200	N
WIM2607R	N	N	5	N	7	20	N	N	<5	N	N	<5	N	<100	20	N
WIM2608R	N	N	7	N	15	30	N	N	<5	20	N	N	N	1,500	20	N
WIM2609R	N	N	30	N	700	30	N	N	<5	N	N	10	N	300	500	N

CHAPTER F

LATITUDE 46°00'-46°30' LONGITUDE 113°30'-114°00'

TABLE1. ROCK SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°x2°CUSMAP QUADRANGLE,MONTANA(continued)

SAMPLE	S-Y	S-ZN	S-ZR	S-TH	AA-AU	AA-CU	AA-PB	AA-ZN	AA-AG	AA-CB	AA-BI	AA-SB
WHE0868R	<10	N	150	N	--	N	N	N	<.05	.56	N	N
WHE0958R	20	N	70	N	--	4	<1	5	<.05	.06	N	N
WHE0959R	30	N	70	N	--	2	2	16	<.05	.08	N	N
WHE0960R	70	N	100	N	--	18	1	4	.07	.11	1.0	N
WHE0961R	50	N	100	N	--	N	N	4	N	.08	N	N
WHE1631R	30	1,000	300	N	--	140	360	410	3.06	11.30	3.0	1
WHE1632R	30	N	300	N	--	1	11	5	.05	.11	<1.0	<1
WHE1633R	20	N	30	N	--	7	40	13	.24	.20	1.0	1
WHE1634R	50	300	200	N	--	19	174	134	.37	.12	<1.0	2
WHE1635R	30	N	300	N	--	3	2	7	<.05	.05	<1.0	<1
WHE1636R	30	N	300	N	--	5	3	3	<.05	.08	<1.0	<1
WHE2254R	N	N	10	N	1.40	12	840	12	>100.00	.61	N	6
WHE2255R	15	1,500	50	N	--	7	100	30	6.97	.12	N	N
WHE2256R	10	3,000	10	N	3.20	26	>1,000	61	>100.00	14.40	2.0	12
WHE2257R	<10	N	70	N	--	1	26	11	2.74	.08	N	N
WHE6277R	20	N	200	N	--	5	3	2	1.26	.20	2.0	1
WHE6349R	<10	N	300	N	--	1	1	<1	.15	.05	1.0	N
WHE6350R	N	N	150	N	--	2	<1	<1	.07	.05	<1.0	N
WHE6351R	N	N	N	N	--	4	4	<1	2.50	.05	6.0	N
WHE6352R	10	N	200	N	--	1	<1	<1	.06	.05	<1.0	N
WHE6353R	N	N	20	N	--	13	4	2	1.21	.10	7.0	3
WHE6354R	10	N	N	N	--	1	3	2	.23	.10	2.0	N
WIM1344R	20	N	10	N	--	250	1	1	.57	.92	9.0	9
WIM1345R	30	N	100	N	--	900	4	1	.08	.23	2.0	N
WIM1722R	700	N	100	N	--	N	N	N	N	<.05	N	1
WIM1723R	30	N	200	N	--	N	N	1	N	.05	N	1
WIM1724R	20	N	150	N	--	N	N	N	N	<.05	N	1
WIM1725R	50	N	70	N	--	N	N	N	N	.06	N	1
WIM1726R	30	N	70	N	--	N	N	2	N	.06	N	1
WIM1727R	70	N	150	N	--	N	N	N	N	.05	N	1
WIM1728R	70	N	200	N	--	N	N	N	N	.05	N	1
WIM2601R	<10	N	10	N	--	8	2	18	<.05	N	1.0	2
WIM2602R	<10	N	<10	N	--	3	N	24	<.05	N	2.0	4
WIM2607R	N	N	70	N	--	6	2	3	<.05	N	N	1
WIM2608R	N	N	20	N	--	8	3	4	N	N	N	N
WIM2609R	50	N	50	N	--	200	1	6	.09	N	1.0	2

CHAPTER F

LATITUDE 46°00'-46°30' LONGITUDE 113°30'-114°00'
TABLE 2.PAN-CONCENTRATE SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°x2°CUSMAP QUADRANGLE, MONTANA(continued)

SAMPLE	LATITUDE	LONGITUDE	S-FE%	S-MG%	S-CA%	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-UE
FRP	46 0 9	113 36 24	7.00	.20	.10	1.000	700	7.0	N	N	150	700	<2.0
G11374P	46 9 27	113 59 24	15.00	.15	.50	>2.000	700	N	N	N	<20	1,000	2.0
G11376P	46 9 37	113 59 35	10.00	2.00	7.00	>2.000	1,500	N	N	N	50	300	2.0
G11378P	46 9 41	113 57 17	3.00	.30	.70	1.000	700	N	N	N	30	700	<2.0
G11380P	46 9 52	113 57 18	1.50	2.00	2.00	.500	700	<1.0	N	N	<20	300	2.0
G11382P	46 9 40	113 56 28	2.00	.20	.70	.500	200	<1.0	N	N	150	300	3.0
G11384P	46 10 4	113 56 8	7.00	1.50	1.00	1.500	300	N	N	N	50	200	<2.0
G11386P	46 9 57	113 55 9	5.00	.15	.30	1.000	300	N	N	N	50	300	<2.0
G11388P	46 10 17	113 54 27	5.00	2.00	7.00	1.000	1,000	N	N	N	30	300	2.0
G11390P	46 10 39	113 54 10	5.00	3.00	10.00	.300	1,000	N	N	N	20	1,000	3.0
G11392P	46 11 36	113 52 45	10.00	1.50	7.00	1.500	1,500	N	N	N	20	700	<2.0
G11394P	46 11 20	113 53 24	5.00	1.00	5.00	1.000	1,000	N	N	N	<20	700	2.0
G11396P	46 10 8	113 54 19	7.00	1.50	3.00	2.000	2,000	N	N	N	70	150	<2.0
G11398P	46 9 53	113 53 53	1.00	.70	10.00	.300	200	N	N	N	50	200	<2.0
G11769P	46 11 57	113 59 48	15.00	5.00	7.00	>2.000	2,000	N	N	N	<20	150	N
G11771P	46 11 57	113 59 55	10.00	3.00	10.00	>2.000	1,500	N	N	N	20	150	<2.0
G11773P	46 11 44	113 58 24	7.00	3.00	7.00	2.000	2,000	N	N	N	<20	300	<2.0
G11775P	46 11 38	113 58 20	10.00	5.00	7.00	2.000	1,500	N	N	N	20	150	<2.0
G11777P	46 14 27	113 57 59	3.00	3.00	7.00	.700	1,000	N	N	N	N	500	<2.0
G11779P	46 14 12	113 58 18	5.00	5.00	7.00	.500	700	N	N	N	<20	700	<2.0
G11782P	46 13 41	113 59 36	5.00	3.00	7.00	.700	1,000	N	N	N	50	700	<2.0
G11784P	46 12 48	113 59 52	3.00	3.00	7.00	.500	1,000	N	N	N	20	1,000	<2.0
G11786P	46 12 41	113 59 57	10.00	7.00	20.00	2.000	3,000	N	N	N	<20	300	<2.0
G11788P	46 12 55	113 55 47	3.00	2.00	5.00	.500	700	N	N	N	20	700	3.0
G11790P	46 13 21	113 54 50	3.00	3.00	3.00	.700	700	N	N	N	<20	200	2.0
G11792P	46 13 18	113 54 46	5.00	3.00	5.00	.300	1,000	N	N	N	20	500	<2.0
G11794P	46 12 15	113 55 57	20.00	1.00	7.00	2.000	1,000	N	N	N	N	300	<2.0
G11796P	46 11 48	113 56 34	7.00	3.00	7.00	1.500	1,500	N	N	N	20	300	3.0
G12273P	46 9 29	113 52 57	7.00	1.50	7.00	2.000	2,000	N	N	N	30	300	<2.0
G12303P	46 9 27	113 53 9	5.00	2.00	2.00	.500	700	N	N	N	30	700	2.0
G12307P	46 8 53	113 52 40	15.00	3.00	7.00	>2.000	1,500	N	N	N	150	200	<2.0
G12610P	46 10 7	113 58 52	3.00	3.00	7.00	.700	1,500	N	N	N	20	700	2.0
G12612P	46 9 52	113 59 42	3.00	1.50	3.00	1.000	500	N	N	N	20	700	2.0
G12636P	46 8 10	113 59 57	20.00	1.00	1.00	2.000	700	N	N	N	<20	500	<2.0
G14293P	46 8 53	113 57 3	1.50	.30	5.00	>2.000	300	N	N	N	200	150	N
G14293P	46 8 53	113 57 3	.10	.07	.20	.070	30	N	N	N	<10	200	<1.0
G14295P	46 8 20	113 56 9	.50	.15	.50	>2.000	30	N	N	N	200	100	N
G14295P	46 8 20	113 56 9	.15	.02	<.05	.070	10	N	N	N	<10	70	<1.0
KEN0067P	46 2 24	113 46 35	3.00	.70	1.50	.700	500	N	N	N	300	700	<2.0
KEN0069P	46 3 13	113 45 56	10.00	.20	.50	.700	1,000	N	N	N	300	200	N
KEN0071P	46 3 14	113 45 49	3.00	2.00	3.00	.300	700	N	N	N	30	700	<2.0
KEN0095P	46 5 17	113 48 36	3.00	.15	.20	.500	100	N	N	N	300	200	<2.0
KEN0727P	46 0 15	113 45 56	7.00	7.00	15.00	.300	2,000	N	N	N	70	300	<2.0
KEN0855P	46 0 16	113 45 58	7.00	7.00	15.00	.500	5,000	N	N	N	150	300	5.0
KEN0883P	46 1 19	113 47 20	2.00	.50	.30	.500	700	N	N	N	100	700	2.0

LATITUDE 46°00'–46°30' LONGITUDE 113°30'–114°00'

TABLE 2.PAN-CONCENTRATE SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°x2°CUSMAP QUADRANGLE, MONTANA(continued)

SAMPLE	S-W	S-Y	S-ZN	S-ZR	S-TH	AA-AU
FP8P	N	70	<500	700	N	.18
GI1374P	N	300	N	1,500	<200	<.02
GI1376P	N	500	N	2,000	N	<.02
GI1378P	N	150	N	1,000	N	<.05
GI1380P	N	150	N	150	N	<.05
GI1382P	N	70	N	300	N	<.05
GI1384P	N	200	N	>2,000	N	<.05
GI1386P	N	50	N	1,500	N	<.05
GI1388P	N	150	N	500	N	<.05
GI1390P	N	70	N	200	N	<.05
GI1392P	N	300	N	1,000	N	<.05
GI1394P	N	150	N	200	N	<.05
GI1396P	N	500	N	1,500	N	<.05
GI1398P	N	50	N	300	N	<.05
GI1769P	N	50	N	150	N	<.05
GI1771P	N	100	N	700	N	<.05
GI1773P	N	150	N	>2,000	N	<.05
GI1775P	N	70	N	200	N	<.05
GI1777P	N	50	N	150	N	<.05
GI1779P	N	50	N	150	N	<.05
GI1782P	N	50	N	200	N	<.05
GI1784P	N	50	N	200	N	<.05
GI1786P	N	70	N	150	N	.28
GI1788P	N	70	N	500	N	<.05
GI1790P	N	50	N	300	N	<.05
GI1792P	N	100	N	150	N	<.05
GI1794P	N	300	N	>2,000	N	<.05
GI1796P	N	70	N	700	N	<.05
GI2273P	N	500	N	1,500	<200	<.02
GI2305P	N	70	N	500	N	<.02
GI2307P	500	300	N	>2,000	N	1.30
GI2610P	N	100	N	200	N	<.05
GI2612P	N	100	N	1,500	N	<.05
GI2656P	N	150	N	>2,000	N	<.02
GI4293P	N	700	N	>2,000	<200	<.05
GI4293P	N	<10	N	300	N	--
GI4295P	N	2,000	N	>2,000	N	<.05
GI4295P	N	20	N	500	N	--
KEN0067P	150	70	N	>2,000	N	<.02
KEN0069P	N	300	N	>2,000	N	<.02
KEN0071P	N	50	N	700	N	<.02
KEN0095P	N	50	N	>2,000	N	<.02
KEN0727P	<100	70	N	200	N	<.02
KEN0855P	N	150	N	500	N	.12
KEN0883P	N	50	N	>2,000	N	<.02

CHAPTER F

LATITUDE 46°00'-46°30' LONGITUDE 113°30'-114°00'

TABLE 2.PAN-CONCENTRATE SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°x2°CUSMAP QUADRANGLE, MONTANA(continued)

SAMPLE	S-BI	S-CD	S-CD	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V
FP8P	N	N	15	15	70	70	<10	N	20	700	N	10	N	N	150
GI1374P	N	N	10	150	15	1,000	N	50	<10	30	N	10	N	<200	200
GI1376P	N	N	20	300	30	1,500	N	50	50	<20	N	20	N	<200	300
GI1378P	N	N	<10	50	<10	700	N	<50	<10	30	N	10	N	<200	70
GI1380P	N	N	<10	50	<10	50	N	10	10	20	N	10	N	N	20
GI1382P	N	N	<10	30	<10	70	N	10	10	20	N	10	N	N	50
GI1384P	N	N	<10	50	<10	700	N	10	10	<20	N	10	N	N	70
GI1386P	N	N	<10	70	<10	150	N	<50	<10	20	N	10	N	N	70
GI1388P	N	N	20	150	15	500	N	50	50	<20	N	15	N	300	200
GI1390P	N	N	30	200	50	200	N	30	30	<20	N	10	N	N	70
GI1392P	N	N	15	200	<10	1,000	N	10	10	20	N	50	N	500	300
GI1394P	N	N	20	50	<10	500	N	10	10	20	N	15	N	500	150
GI1396P	N	N	15	100	10	2,000	N	10	10	20	N	15	N	N	150
GI1398P	N	N	10	30	<10	50	N	10	10	<20	N	<10	N	N	20
GI1769P	N	N	70	700	50	<50	N	<50	150	<20	N	50	N	<200	500
GI1771P	N	N	20	700	20	300	N	<50	100	<20	N	50	N	200	300
GI1773P	N	N	20	700	20	300	N	<50	100	<20	N	50	N	200	200
GI1775P	N	N	20	70	30	70	N	<50	50	<20	N	30	N	N	200
GI1777P	N	N	15	70	<10	300	N	<50	20	<20	N	10	N	300	150
GI1779P	N	N	15	150	<10	150	N	<50	20	<20	N	10	N	N	100
GI1782P	N	N	15	70	10	100	N	100	20	30	N	10	N	<200	70
GI1784P	N	N	10	50	15	100	N	<50	20	30	N	10	N	<200	70
GI1786P	N	N	30	150	50	70	N	<50	30	<20	N	70	N	100	500
GI1788P	N	N	15	50	15	150	N	<50	20	30	N	10	N	N	50
GI1790P	N	N	15	150	20	200	N	<50	30	<20	N	10	N	N	100
GI1792P	N	N	50	70	15	700	N	<50	30	<20	N	15	N	N	50
GI1794P	N	N	20	200	15	1,500	N	50	20	20	N	20	N	200	500
GI1796P	N	N	20	70	<10	70	N	<50	30	20	N	20	N	300	200
GI2273P	N	N	30	200	20	1,500	N	100	50	50	N	30	N	300	200
GI2305P	N	N	50	50	20	300	N	<50	30	<20	N	10	N	N	70
GI2307P	100	N	50	300	30	700	N	<50	20	<20	N	10	N	N	300
GI2610P	N	N	10	50	<10	300	N	<50	15	20	N	15	N	N	70
GI2612P	N	N	10	50	<10	300	N	<50	<10	20	N	10	N	<200	70
GI2654P	N	N	15	300	10	300	N	50	20	<20	N	10	N	N	300
GI4293P	N	N	<10	300	50	>2,000	N	150	N	<20	N	N	50	N	100
GI4293P	N	N	N	N	<5	<20	N	N	<5	<10	N	N	N	100	<10
GI4295P	N	N	N	150	20	1,500	N	<50	N	70	N	N	<20	N	50
GI4295P	N	N	N	10	N	20	N	N	N	<10	N	N	N	N	<10
KEN0067P	N	N	<10	70	<10	50	N	<50	10	<20	N	10	N	<200	70
KEN0069P	N	N	N	150	<10	100	N	<50	10	20	N	10	N	N	70
KEN0071P	N	N	30	50	20	100	N	N	10	20	N	<10	N	N	70
KEN0095P	N	N	N	100	N	50	N	<50	10	<20	N	<10	N	<200	50
KEN0727P	N	N	20	30	50	100	N	<50	15	50	N	15	N	N	100
KEN0855P	N	N	10	50	70	150	N	<50	15	50	N	15	N	N	100
KEN0883P	N	N	N	30	N	70	N	N	10	30	N	<10	N	<200	70

SAMPLE	LATITUDE	LONGITUDE	S-FEX	S-MGX	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE
KEN0885P	46 1 17	113 47 28	7.00	.50	.50	1.500	2,000	N	N	N	500	500	N
KEN0887P	46 0 58	113 48 12	7.00	1.00	2.00	1.000	2,000	N	N	N	<20	1,000	5.0
KEN0889P	46 0 39	113 48 40	7.00	.50	1.00	.700	3,000	N	N	N	50	500	2.0
KEN0891P	46 0 38	113 48 44	3.00	.30	1.50	.500	1,500	N	N	N	<20	1,000	7.0
KEN0893P	46 0 33	113 48 35	15.00	.70	1.00	2.000	7,000	N	N	N	150	300	N
KEN0933P	46 7 3	113 46 22	15.00	.30	.30	2.000	200	N	N	N	300	200	<2.0
KEN2200P	46 4 36	113 51 30	30.00	.50	.70	>2.000	3,000	N	N	N	100	100	N
KEN2202P	46 4 36	113 51 32	30.00	.50	.70	>2.000	3,000	N	N	N	150	100	N
KEN2204P	46 4 38	113 51 36	2.00	.70	1.00	2.000	700	N	N	N	20	200	N
KEN2255P	46 7 0	113 52 28	5.00	1.00	2.00	1.000	700	N	N	N	100	200	N
KEN2259P	46 6 19	113 51 40	3.00	1.00	1.00	.700	500	N	N	N	100	300	<2.0
KEN2261P	46 6 35	113 51 29	3.00	10.00	10.00	1.500	700	N	N	N	20	<50	<2.0
KEN2263P	46 6 45	113 51 32	7.00	.70	1.00	1.500	500	N	N	N	200	100	<2.0
KEN2265P	46 7 28	113 51 13	5.00	2.00	3.00	1.000	500	N	N	N	100	300	2.0
KEN2267P	46 7 25	113 51 2	7.00	1.00	1.50	.700	100	N	N	N	200	200	<2.0
KEN2614P	46 0 32	113 49 25	7.00	.50	3.00	1.000	3,000	N	N	N	20	700	2.0
KEN2616P	46 1 40	113 50 25	15.00	.70	3.00	1.500	3,000	N	N	N	20	700	2.0
KEN2618P	46 1 24	113 49 38	20.00	.70	1.50	>2.000	1,500	N	N	N	30	200	<2.0
KEN2620P	46 1 45	113 49 46	10.00	.15	1.00	.300	1,500	N	N	N	20	700	3.0
KEN2622P	46 2 5	113 49 36	10.00	.15	.70	1.000	700	N	N	N	20	500	<2.0
KEN2624P	46 2 9	113 49 39	20.00	.10	.70	2.000	1,000	N	N	N	200	300	N
KEN2626P	46 2 25	113 50 50	15.00	.10	1.00	1.000	1,500	N	N	N	<20	700	2.0
KEN2628P	46 2 26	113 50 52	10.00	.10	1.00	1.000	700	N	N	N	150	500	<2.0
KEN2630P	46 3 31	113 50 13	3.00	.10	.10	.500	100	N	N	N	150	200	N
KEN2632P	46 4 55	113 50 43	1.00	.15	<.10	.150	100	N	N	N	30	150	N
KEN2634P	46 4 21	113 50 51	15.00	.20	<.10	1.500	200	N	N	N	500	300	N
KEN386P	46 5 32	113 45 5	2.00	.70	.10	.300	200	N	N	N	150	700	2.0
KEN388P	46 5 38	113 45 2	1.50	.70	.10	.150	100	N	N	N	70	500	<2.0
KEN390P	46 4 29	113 45 57	1.50	.20	.30	.070	100	N	N	N	50	200	N
KEN392P	46 4 27	113 45 55	1.00	.20	.20	.070	70	N	N	N	50	150	N
KEN4305P	46 2 52	113 52 13	1.00	.10	7.00	>2.000	700	1.5	N	N	700	<50	N
KEN4305P	46 2 52	113 52 13	.15	.03	.30	.050	20	N	N	N	10	150	<1.0
KEN930P	46 6 57	113 46 9	7.00	.15	<.10	.700	1,000	N	N	N	200	200	<2.0
KEN934P	46 7 3	113 46 22	15.00	.30	.30	1.500	300	N	N	N	200	200	<2.0
KEN937P	46 7 0	113 48 11	15.00	5.00	15.00	1.500	1,000	N	N	N	100	200	<2.0
KEN939P	46 6 58	113 49 0	15.00	.20	.15	2.000	150	N	N	N	150	300	<2.0
KEN942P	46 6 38	113 48 30	7.00	.50	.20	1.000	100	N	N	N	150	300	N
KEN944P	46 6 42	113 49 20	7.00	.20	.20	.700	100	N	N	N	150	200	<2.0
KEN947P	46 6 45	113 49 14	5.00	.70	1.50	1.000	200	N	N	N	150	300	<2.0
MAU1266P	46 7 56	113 36 30	3.00	.20	2.00	1.500	500	N	N	N	200	500	<2.0
MAU2383P	46 7 33	113 35 47	2.00	.15	1.00	.500	300	N	N	N	150	300	<2.0
MAU3399P	46 13 54	113 33 33	.30	.05	10.00	>2.000	700	N	N	N	30	150	N
MAU3399P	46 13 54	113 33 33	1.50	.07	.10	.070	70	N	N	N	30	500	<1.0
MAU4200P	46 13 25	113 31 18	1.50	.50	10.00	>2.000	1,500	N	N	<20	500	7,000	N
MAU4200P	46 13 25	113 31 18	.20	.07	.70	.030	70	.5	N	N	20	200	1.0

SAMPLE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V
KEN0885P	N	N	N	70	<10	150	N	<50	10	50	N	20	N	<200	150
KEN0887P	N	N	N	20	5	1,000	N	100	<10	50	N	15	N	200	70
KEN0889P	N	N	N	20	<10	150	N	<50	<10	50	N	10	N	N	70
KEN0891P	N	N	N	20	N	700	N	N	10	70	N	10	N	200	70
KEN0893P	N	N	10	70	5	300	N	150	<10	30	N	15	N	N	150
KEN0933P	N	N	N	200	<10	500	N	<50	10	<20	N	15	N	N	200
KEN2200P	N	N	15	500	20	1,000	N	10	10	<20	N	10	N	N	700
KEN2202P	N	N	15	300	20	1,500	N	10	10	<20	N	10	N	N	700
KEN2204P	N	N	<10	20	<10	100	N	<50	<10	<20	N	15	N	N	70
KEN2255P	N	N	10	30	<10	1,500	N	<50	<10	<20	N	10	N	<200	70
KEN2259P	N	N	<10	50	<10	200	N	<50	10	20	N	10	N	N	70
KEN2261P	N	N	10	70	<10	150	N	<50	30	<20	N	20	N	N	100
KEN2263P	N	N	<10	50	<10	100	N	<50	<10	20	N	<10	N	N	70
KEN2265P	N	N	10	50	10	200	N	<50	20	<20	N	10	N	<200	100
KEN2267P	N	N	15	70	<10	700	N	<50	30	20	N	10	N	N	70
KEN2614P	N	N	<10	50	<10	1,500	N	<50	<10	30	N	10	N	<200	150
KEN2616P	N	N	<10	100	10	1,500	N	<50	<10	50	N	10	N	<200	200
KEN2618P	N	N	<10	150	15	1,000	N	150	20	20	N	15	<20	N	500
KEN2620P	N	N	<10	100	<10	1,500	N	200	<10	50	N	10	N	200	300
KEN2622P	N	N	<10	150	<10	500	N	100	<10	30	N	10	N	<200	200
KEN2624P	N	N	<10	150	10	1,500	N	200	<10	30	N	10	N	<200	300
KEN2626P	N	N	10	50	50	700	N	50	20	30	N	<10	N	<200	200
KEN2628P	N	N	<10	100	<10	700	N	<50	10	30	N	10	N	<200	200
KEN2630P	N	N	N	50	<10	50	N	N	<10	20	N	N	N	N	50
KEN2632P	N	N	N	30	N	50	N	N	10	<20	N	N	N	N	30
KEN2634P	N	N	N	200	<10	150	N	<50	10	<20	N	10	N	N	150
KEN386P	N	N	N	50	N	50	N	<50	10	20	N	<10	N	N	30
KEN388P	N	N	N	30	N	50	N	<50	<10	<20	N	N	N	N	30
KEN390P	N	N	N	20	N	50	N	N	<10	<20	N	<10	N	N	30
KEN392P	N	N	N	20	N	50	N	N	<10	<20	N	<10	N	N	20
KEN4305P	N	N	N	20	30	2,000	N	70	10	30	N	50	100	N	200
KEN4305P	N	N	N	10	N	<20	N	N	<5	15	N	<5	N	100	<10
KEN930P	N	N	N	50	<10	100	N	<50	10	<20	N	10	N	N	70
KEN934P	N	N	N	100	<10	200	N	50	10	20	N	15	N	N	100
KEN937P	N	N	10	150	10	700	N	70	10	20	N	15	N	N	150
KEN939P	N	N	N	100	<10	300	N	100	10	20	N	15	N	N	70
KEN942P	N	N	N	100	<10	70	N	<50	10	<20	N	15	N	N	70
KEN944P	N	N	20	100	<10	300	N	<50	10	<20	N	15	N	N	70
KEN947P	N	N	N	70	<10	300	N	<50	<10	<20	N	10	N	N	70
MAU1266P	N	N	<10	30	<10	1,000	N	70	10	50	N	15	N	<200	100
MAU2383P	N	N	N	20	<10	300	N	<50	10	20	N	<10	N	<200	70
MAU3399P	N	N	N	50	20	1,500	N	N	N	20	N	N	100	N	300
MAU3399P	N	N	N	15	5	<20	N	N	5	30	N	<5	N	<100	30
MAU4200P	N	N	N	50	20	>2,000	N	200	<10	50	N	N	70	N	200
MAU4200P	N	N	N	<10	<5	<20	N	N	<5	50	N	<5	N	300	<10

CHAPTER F

LATITUDE 46°00'–46°30' LONGITUDE 113°30'–114°00'
 TABLE 2.PAN-CONCENTRATE SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°x2° CUSMAP QUADRANGLE, MONTANA(continued)

SAMPLE	S-W	S-Y	S-ZN	S-ZR	S-TH	AA-AU
KEN0885P	<100	200	N	>2,000	N	<.02
KEN0887P	N	150	N	700	200	<.02
KEN0889P	N	150	N	2,000	N	<.02
KEN0891P	N	70	N	300	N	<.02
KEN0893P	<100	300	N	1,500	<200	<.02
KEN0933P	N	150	N	>2,000	N	<.02
KEN2200P	N	200	N	>2,000	N	<.05
KEN2202P	N	200	N	>2,000	N	<.05
KEN2204P	N	50	N	1,500	N	<.05
KEN2255P	100	100	N	1,500	<200	<.02
KEN2259P	N	70	N	700	N	<.02
KEN2261P	N	50	N	150	N	<.02
KEN2263P	<100	30	N	1,500	N	<.02
KEN2265P	N	150	N	1,000	N	.50
KEN2267P	N	200	N	1,500	500	<.02
KEN2614P	N	200	N	1,000	<200	<.05
KEN2616P	N	150	N	1,500	<200	<.05
KEN2618P	N	700	N	1,000	N	<.02
KEN2620P	N	100	N	1,500	<200	<.02
KEN2622P	N	100	N	1,500	N	<.02
KEN2624P	N	300	N	1,500	300	<.02
KEN2626P	N	150	N	1,500	N	<.02
KEN2628P	N	100	N	>2,000	N	<.02
KEN2630P	N	50	N	1,500	N	<.02
KEN2632P	N	<20	N	700	N	<.02
KEN2634P	N	70	N	1,500	N	<.02
KEN386P	N	70	N	300	N	<.02
KEN388P	N	20	N	700	N	<.02
KEN390P	N	N	N	150	N	<.02
KEN392P	N	70	N	2,000	N	<.02
KEN4305P	N	5,000	N	>2,000	300	<.05
KEN4305P	N	N	N	200	N	--
KEN930P	N	70	N	1,500	N	<.02
KEN934P	N	150	N	>2,000	N	<.02
KEN937P	N	300	N	>2,000	700	<.02
KEN939P	N	200	N	>2,000	200	<.02
KEN942P	N	150	N	>2,000	N	.23
KEN944P	N	70	N	2,000	N	<.02
KEN947P	N	70	N	700	N	<.02
MAU1266P	N	300	N	>2,000	200	1.26
MAU2383P	N	100	N	150	N	<.05
MAU3399P	N	3,000	N	>2,000	N	<.05
MAU3399P	N	10	N	50	N	--
MAU4200P	N	3,000	N	>2,000	500	<.05
MAU4200P	N	N	N	50	N	--

CHAPTER F

LATITUDE 46°00'-46°30' LONGITUDE 113°30'-114°00'

TABLE 2.PAN-CONCENTRATE SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°x2°CUSMAP QUADRANGLE, MONTANA(continued)

SAMPLE	LATITUDE	LONGITUDE	S-FEX	S-MGX	S-CAX	S-TIX	S-MN	S-A6	S-AS	S-AU	S-B	S-BA	S-BE
MAU4321P	46 13 24	113 36 39	.20	.10	.05	.050	70	N	N	N	20	150	<1.0
MAU4321P	46 13 24	113 36 39	7.00	.30	.70	2.000	150	2.0	500	N	1,500	5,000	5.0
MAU4323P	46 12 34	113 31 17	.15	.15	.10	.050	200	N	N	N	30	200	<1.0
MAU4323P	46 12 34	113 31 17	2.00	1.00	10.00	>2.000	1,500	N	N	N	500	7,000	<2.0
MAU5211P	46 12 32	113 30 14	1.00	.70	10.00	.150	500	N	N	N	70	200	1.5
MAU5211P	46 12 32	113 30 14	3.00	1.00	5.00	2.000	2,000	N	N	N	300	>10,000	5.0
MAU5263P	46 10 38	113 31 19	1.50	.30	.07	.200	70	N	N	N	100	500	10.0
MAU5263P	46 10 38	113 31 19	3.00	.20	.30	2.000	150	N	N	N	100	>10,000	5.0
MAU5265P	46 10 1	113 32 32	.30	.15	.30	.070	70	N	N	N	30	150	1.0
MAU5265P	46 10 1	113 32 32	1.00	.50	7.00	>2.000	300	N	N	N	500	7,000	N
MAU5267P	46 9 27	113 33 17	.70	.30	.07	.150	150	N	N	N	100	200	1.5
MAU5267P	46 9 27	113 33 17	7.00	.30	.50	>2.000	700	N	N	N	300	5,000	7.0
MAU5269P	46 8 24	113 34 11	1.00	.50	.10	.200	200	N	N	N	150	300	1.0
MAU5269P	46 8 24	113 34 11	7.00	.50	.20	2.000	150	N	N	N	1,000	5,000	2.0
MAU5275P	46 13 46	113 32 59	1.00	.30	1.50	.200	150	N	N	N	30	700	1.5
MAU5275P	46 13 46	113 32 59	.10	.05	.70	2.000	50	N	N	N	50	>5,000	N
MAU5277P	46 14 52	113 35 21	1.50	.50	.50	.150	500	N	N	N	70	700	1.5
MAU5277P	46 14 52	113 35 21	15.00	1.50	2.00	2.000	5,000	N	N	N	300	5,000	N
MAU5279P	46 14 59	113 35 29	.15	.10	1.50	.050	50	N	N	N	20	300	1.5
MAU5279P	46 14 59	113 35 29	3.00	.30	7.00	2.000	700	N	N	N	300	>5,000	N
MAU5281P	46 14 26	113 34 15	1.00	.30	1.50	.150	200	N	N	N	70	300	1.5
MAU5281P	46 14 26	113 34 15	3.00	1.50	10.00	2.000	1,500	N	N	N	300	1,500	N
MAU5295P	46 14 54	113 36 12	.20	.05	<.05	.050	100	N	N	N	20	300	<1.0
MAU5295P	46 14 54	113 36 12	.20	.10	1.50	>2.000	300	N	N	N	1,000	700	N
MAU5297P	46 12 53	113 35 30	.70	.20	.05	.070	70	N	N	N	70	150	<1.0
MAU5297P	46 12 53	113 35 30	5.00	.30	.15	>2.000	200	N	1,500	N	2,000	1,500	5.0
MAU5299P	46 12 10	113 35 4	.20	.10	<.05	.050	30	N	N	N	70	150	<1.0
MAU5299P	46 12 10	113 35 4	1.00	.20	.10	>2.000	100	N	N	N	3,000	7,000	10.0
MAU5301P	46 12 16	113 33 1	.50	.15	.07	.070	200	N	N	N	70	150	<1.0
MAU5301P	46 12 16	113 33 1	2.00	.70	1.00	>2.000	200	N	N	100	1,500	2,000	N
MAU5303P	46 10 42	113 33 9	.20	.10	.30	.030	500	N	N	N	20	300	1.5
MAU5303P	46 10 42	113 33 9	.70	.10	7.00	>2.000	700	N	N	N	700	200	N
MAU5305P	46 10 27	113 34 36	.30	.10	<.05	.070	50	N	N	N	30	200	<1.0
MAU5305P	46 10 27	113 34 36	1.50	.50	.20	>2.000	150	N	N	N	3,000	3,000	5.0
MAU5307P	46 9 20	113 35 52	.20	.07	<.05	.050	10	N	N	N	70	300	<1.0
MAU5307P	46 9 20	113 35 52	1.00	.30	.70	>2.000	100	N	N	N	5,000	5,000	5.0
MAU5346P	46 13 41	113 31 4	1.50	2.00	15.00	.100	300	N	N	N	30	500	<1.0
MAU5346P	46 13 41	113 31 4	3.00	5.00	20.00	.100	700	N	N	N	N	>10,000	N
MAU5348P	46 13 37	113 32 50	1.00	.20	.15	.150	500	N	N	N	70	700	1.5
MAU5348P	46 13 37	113 32 50	1.50	.05	1.50	2.000	300	N	N	N	30	>10,000	N
MAU5350P	46 12 21	113 30 16	.50	.20	.20	.070	30	N	N	N	30	500	1.0
MAU5350P	46 12 21	113 30 16	2.00	1.50	5.00	>2.000	300	N	N	N	700	5,000	7.0
MEM0895P	46 8 17	113 44 0	5.00	.10	2.00	.700	7,000	N	N	N	<20	700	7.0
MEM0897P	46 8 21	113 44 3	.70	.10	2.00	.150	700	N	N	N	<20	700	7.0
MEM0899P	46 8 16	113 44 12	15.00	.70	7.00	>2.000	1,500	N	N	N	<20	300	N

CHAPTER F

LATITUDE 46°00'–46°30' LONGITUDE 113°30'–114°00'

TABLE 2.PAN-CONCENTRATE SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°x2°CUSMAP QUADRANGLE, MONTANA(continued)

SAMPLE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V
MAU4321P	N	N	<5	<10	N	<20	N	N	5	10	N	<5	N	N	<10
MAU4321P	<20	N	<10	200	100	1,000	N	50	20	500	N	15	N	<200	100
MAU4323P	N	N	<5	N	N	<20	N	N	5	30	N	<5	N	N	<10
MAU4323P	N	N	<20	<20	15	2,000	N	150	10	200	N	<10	70	N	200
MAU5211P	N	N	5	10	7	20	N	N	7	30	N	5	N	N	20
MAU5211P	N	N	50	30	50	150	N	70	20	200	N	<10	N	N	70
MAU5263P	N	N	5	50	<5	30	N	<20	7	20	N	5	N	N	20
MAU5263P	N	N	N	50	<10	500	N	50	<10	70	N	10	N	1,000	70
MAU5265P	N	N	5	<10	<5	20	N	N	<5	20	N	<5	N	N	10
MAU5265P	N	N	N	30	200	1,500	N	100	<10	2,000	N	<10	700	N	150
MAU5267P	N	N	5	<10	<5	20	N	N	5	15	N	5	N	N	20
MAU5267P	N	N	100	100	15	1,000	N	50	<10	300	N	20	N	N	100
MAU5269P	N	N	5	<10	<5	20	N	N	5	20	N	<5	N	N	20
MAU5269P	N	N	10	100	15	700	10	50	<10	100	N	10	N	N	70
MAU5275P	N	N	5	20	5	<20	N	N	5	30	N	5	N	300	30
MAU5275P	N	N	N	30	<10	2,000	N	70	<10	20	N	20	N	1,000	70
MAU5277P	N	N	7	15	10	70	N	<20	10	30	N	5	N	150	30
MAU5277P	N	N	70	1,500	70	>2,000	N	100	150	100	N	15	N	N	200
MAU5279P	N	N	N	<10	<5	<20	N	N	<5	300	N	<5	N	700	<10
MAU5279P	N	N	10	50	15	>2,000	N	<50	30	50	N	<10	N	N	100
MAU5281P	N	N	5	10	<5	20	N	N	7	70	N	5	N	700	30
MAU5281P	N	N	15	500	15	>2,000	N	<50	30	1,000	N	<10	20	N	150
MAU5295P	N	N	<5	<10	<5	20	N	N	5	15	N	N	N	N	<10
MAU5295P	N	N	N	70	20	>2,000	N	N	15	100	N	15	50	N	200
MAU5297P	N	N	<5	<10	<5	20	N	N	5	10	N	<5	N	N	15
MAU5297P	N	N	N	200	20	1,000	N	<50	<10	500	N	20	N	N	100
MAU5299P	N	N	<5	N	<5	<20	N	N	5	15	N	<5	N	N	<10
MAU5299P	1,500	N	N	100	15	700	N	<50	<10	150	N	<10	N	N	70
MAU5301P	N	N	<5	N	<5	<20	N	N	5	15	N	N	N	N	10
MAU5301P	20	N	<10	70	20	>2,000	N	N	10	70	N	<10	N	N	100
MAU5303P	N	N	<5	<10	<5	20	N	N	<5	20	N	N	N	<100	<10
MAU5303P	N	N	N	20	20	1,000	N	200	10	50	N	<10	150	N	200
MAU5305P	N	N	<5	<10	<5	20	N	<20	5	15	N	N	N	N	15
MAU5305P	N	N	N	50	10	1,000	N	<50	<10	70	N	<10	N	N	70
MAU5307P	N	N	5	<10	<5	20	N	N	<5	10	N	N	N	N	<10
MAU5307P	N	N	N	70	10	700	N	<50	<10	70	N	50	N	N	100
MAU5346P	N	N	5	10	7	30	N	N	10	20	N	7	N	N	30
MAU5346P	N	N	10	20	<10	1,000	N	N	10	20	N	15	N	N	70
MAU5348P	N	N	5	<10	10	20	N	N	5	30	N	5	N	N	20
MAU5348P	N	N	<10	<20	10	700	N	100	<10	30	N	10	<20	700	100
MAU5350P	N	N	5	10	<5	20	N	<20	5	20	N	5	N	<100	15
MAU5350P	N	N	N	50	15	700	N	<50	<10	200	N	50	150	N	100
MEM0895P	N	N	N	20	<10	1,000	N	50	10	70	N	<10	N	300	100
MEM0897P	N	N	N	<20	N	200	N	N	10	50	N	N	N	300	20
MEM0899P	N	N	<10	100	15	>2,000	N	200	10	50	N	30	50	200	300

CHAPTER F

LATITUDE 46°00'–46°30' LONGITUDE 113°30'–114°00'

TABLE 2.PAN-CONCENTRATE SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°x2°CUSMAP QUADRANGLE, MONTANA (continued)

SAMPLE	S-W	S-Y	S-ZN	S-ZR	S-TH	AA-AU
MAU4321P	N	10	N	70	N	.10
MAU4321P	N	1,000	N	>2,000	N	--
MAU4323P	N	<10	N	50	N	<.05
MAU4323P	N	1,000	N	>2,000	N	--
MAU5211P	N	20	N	100	N	<.05
MAU5211P	N	300	N	>2,000	N	--
MAU5263P	N	20	N	300	N	<.05
MAU5263P	N	300	N	>2,000	N	--
MAU5265P	N	10	N	70	N	.09
MAU5265P	N	1,500	N	>2,000	<200	--
MAU5267P	N	10	N	150	N	<.05
MAU5267P	N	1,000	N	>2,000	N	--
MAU5269P	N	20	N	200	N	<.05
MAU5269P	N	300	N	>2,000	N	--
MAU5275P	N	10	N	70	N	<.05
MAU5275P	N	200	N	>2,000	<200	--
MAU5277P	N	10	N	150	N	<.05
MAU5277P	N	700	N	>2,000	200	--
MAU5279P	N	N	N	50	N	<.05
MAU5279P	N	1,500	N	>2,000	1,000	--
MAU5281P	N	<10	N	70	N	<.05
MAU5281P	N	1,000	N	>2,000	1,000	--
MAU5295P	N	15	N	70	N	<.05
MAU5295P	N	2,000	N	>2,000	1,500	--
MAU5297P	N	15	N	100	N	<.05
MAU5297P	N	1,500	N	>2,000	N	--
MAU5299P	N	<10	N	70	N	--
MAU5299P	N	1,000	N	>2,000	N	--
MAU5301P	N	<10	N	100	N	.14
MAU5301P	N	1,500	N	>2,000	200	--
MAU5303P	N	10	N	100	N	<.05
MAU5303P	N	3,000	N	>2,000	N	--
MAU5305P	N	10	N	150	N	<.05
MAU5305P	N	1,500	N	>2,000	N	--
MAU5307P	N	<10	N	70	N	<.05
MAU5307P	N	1,500	N	>2,000	N	--
MAU5346P	N	50	N	70	N	<.05
MAU5346P	N	100	N	700	N	--
MAU5348P	N	10	N	70	N	<.05
MAU5348P	N	500	N	2,000	N	--
MAU5350P	N	15	N	150	N	<.05
MAU5350P	150	1,000	N	>2,000	<200	--
MEM0895P	N	700	N	150	200	<.02
MEM0897P	N	500	N	150	N	<.02
MEM0899P	N	1,000	N	2,000	1,000	<.02

CHAPTER F

LATITUDE 46°00'–46°30' LONGITUDE 113°30'–114°00'

TABLE 2.PAN-CONCENTRATE SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°x2°CUSMAP QUADRANGLE, MONTANA(continued)

SAMPLE	LATITUDE	LONGITUDE	S-FEZ	S-MGZ	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE
MEM1260P	46 12 5	113 43 59	3.00	.30	2.00	2.000	700	N	N	N	150	500	2.0
MEM1262P	46 11 58	113 43 58	20.00	.30	3.00	>2.000	7,000	N	N	N	20	300	<2.0
MEM1801P	46 8 25	113 44 26	10.00	.50	3.00	2.000	>10,000	N	N	N	<20	300	<2.0
MEM1803P	46 8 19	113 44 39	7.00	.20	2.00	1.500	>10,000	N	N	N	N	500	2.0
MEM1805P	46 8 16	113 44 44	20.00	1.00	7.00	>2.000	1,500	N	N	N	100	200	N
MEM2328P	46 12 6	113 43 47	2.00	.20	5.00	2.000	2,000	N	N	N	20	300	2.0
MEM2330P	46 11 20	113 43 9	2.00	.05	.50	.150	>10,000	N	N	N	70	150	3.0
MEM2332P	46 11 22	113 43 12	7.00	.05	1.00	.700	>10,000	N	N	N	70	300	3.0
MEM2334P	46 11 34	113 42 15	7.00	.07	1.00	1.000	>10,000	N	N	N	70	500	<2.0
MEM2336P	46 11 38	113 42 16	15.00	.30	2.00	>2.000	>10,000	N	N	N	100	500	2.0
MEM2707P	46 7 51	113 41 17	.30	.10	1.00	.070	300	N	N	N	<20	700	3.0
MEM2709P	46 8 38	113 41 36	.70	.05	1.00	.150	300	N	N	N	<20	700	3.0
MEM2711P	46 9 12	113 41 14	1.00	.07	2.00	.100	3,000	N	N	N	<20	500	5.0
MEM2714P	46 10 6	113 40 24	10.00	.15	5.00	2.000	>10,000	N	N	N	<20	300	N
MEM3389P	46 11 19	113 41 19	.20	.07	7.00	>2.000	700	N	N	N	20	500	N
MEM3389P	46 11 19	113 41 19	.15	.05	.70	.300	70	N	N	N	10	200	1.0
MEM3390P	46 11 21	113 41 20	.20	.05	10.00	>2.000	700	N	N	N	20	300	N
MEM3390P	46 11 21	113 41 20	.70	.15	.50	.100	150	N	N	N	50	150	1.5
MEM4240P	46 14 59	113 41 24	2.00	.50	.20	>2.000	70	N	N	N	1,500	10,000	5.0
MEM4240P	46 14 59	113 41 24	.30	.15	<.05	.100	20	N	N	N	50	300	1.0
MEM4307P	46 8 7	113 39 5	1.50	.07	10.00	>2.000	1,000	N	N	N	100	70	N
MEM4307P	46 8 7	113 39 5	.07	.05	1.00	.020	30	N	N	N	10	100	1.0
MEM4309P	46 8 16	113 38 51	1.00	.05	10.00	>2.000	1,000	N	N	N	200	N	N
MEM4309P	46 8 16	113 38 51	<.05	.03	.30	.015	15	N	N	N	15	150	1.0
MEM4311P	46 8 17	113 38 59	1.00	.05	10.00	>2.000	1,000	N	N	N	200	<50	N
MEM4311P	46 8 17	113 38 59	<.05	.02	.30	.010	10	N	N	N	10	150	1.5
MEM4313P	46 8 55	113 37 39	1.00	.05	10.00	>2.000	700	N	N	N	200	N	N
MEM4313P	46 8 55	113 37 39	.10	.03	.30	.020	10	N	N	N	20	150	<1.0
MEM5215P	46 13 55	113 44 41	3.00	.50	.15	.300	700	N	N	N	150	1,000	3.0
MEM5218P	46 13 26	113 43 33	.20	.15	.07	.100	100	N	N	N	100	300	1.0
MEM5218P	46 13 26	113 43 33	15.00	1.00	.70	2.000	700	N	N	N	5,000	1,500	N
MEM5220P	46 14 11	113 42 22	.20	.15	<.05	.100	70	N	N	N	30	300	<1.0
MEM5220P	46 14 11	113 42 22	3.00	.70	.50	>2.000	150	N	N	N	>5,000	3,000	5.0
MEM5222P	46 10 32	113 41 18	.05	<.02	.30	.005	70	N	N	N	<10	300	1.5
MEM5222P	46 10 32	113 41 18	.50	.15	2.00	2.000	150	N	N	N	100	100	50.0
MEM5224P	46 11 5	113 40 37	.15	.07	.50	.030	70	N	N	N	50	300	1.5
MEM5224P	46 11 5	113 40 37	.50	.10	10.00	>2.000	700	N	N	N	500	200	N
MEM5226P	46 11 31	113 41 13	.15	.07	.70	.030	70	N	N	N	10	200	1.5
MEM5226P	46 11 31	113 41 13	.30	.10	10.00	>2.000	700	N	N	N	500	50	N
MEM5283P	46 12 49	113 41 51	10.00	.30	.70	.700	200	N	N	N	150	700	<2.0
MEM5285P	46 12 46	113 41 52	30.00	.30	3.00	>2.000	>10,000	N	N	N	50	200	N
MEM5287P	46 13 38	113 41 43	.10	.10	<.05	.070	15	N	N	N	30	300	<1.0
MEM5287P	46 13 38	113 41 43	2.00	.50	1.00	>2.000	200	N	N	N	5,000	3,000	5.0
MEM5289P	46 13 57	113 41 1	.70	.30	<.05	.100	100	N	N	N	150	700	1.5
MEM5289P	46 13 57	113 41 1	15.00	.30	.50	2.000	300	N	N	N	1,500	1,500	3.0

CHAPTER F

LATITUDE 46°00'–46°30' LONGITUDE 113°30'–114°00'

TABLE 2. PAN-CONCENTRATE SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°x2° CUSMAP QUADRANGLE, MONTANA (continued)

SAMPLE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V
MEM1260P	N	N	<10	30	10	1,500	N	200	10	50	N	10	N	N	150
MEM1262P	N	N	10	200	15	>2,000	N	500	10	30	N	70	20	200	500
MEM1801P	N	N	N	20	10	2,000	N	2,000	15	50	N	150	20	<200	100
MEM1803P	N	N	N	15	<10	1,500	N	1,500	10	50	N	50	<20	<200	100
MEM1805P	N	N	<10	150	20	2,000	N	300	10	50	N	70	50	<200	500
MEM2328P	N	N	<10	20	10	1,500	N	200	<10	30	N	<10	50	200	150
MEM2330P	N	N	<10	<20	N	700	N	1,500	10	30	N	50	N	N	20
MEM2332P	N	N	N	50	N	700	N	700	10	30	N	50	N	200	70
MEM2334P	N	N	N	20	<10	>2,000	N	500	10	50	N	50	N	<200	100
MEM2336P	N	N	N	200	10	1,500	N	150	10	30	N	50	N	200	300
MEM2707P	N	N	<10	N	<10	700	N	N	10	50	N	N	N	<200	<20
MEM2709P	N	N	N	<20	N	500	N	N	10	50	N	N	N	200	30
MEM2711P	N	N	<10	150	10	1,000	N	50	10	70	N	10	N	200	30
MEM2714P	N	N	N	30	15	>2,000	N	700	10	70	N	50	N	<200	200
MEM3389P	N	N	<10	30	15	>2,000	N	<50	15	200	N	N	70	N	100
MEM3389P	N	N	N	N	N	20	N	N	<5	30	N	N	N	200	<10
MEM3390P	N	N	<10	70	20	2,000	<10	50	<10	70	N	N	100	N	300
MEM3390P	N	N	N	10	<5	50	N	N	7	30	N	5	N	150	20
MEM4240P	N	N	N	100	10	500	N	<50	N	50	N	N	N	N	50
MEM4240P	N	N	N	10	<5	20	N	N	<5	10	N	N	N	N	10
MEM4307P	N	N	N	<20	20	700	N	200	<10	50	N	N	150	N	300
MEM4307P	N	N	N	N	N	N	N	N	<5	20	N	N	N	200	<10
MEM4309P	150	N	N	<20	30	2,000	N	200	<10	50	N	30	150	N	300
MEM4309P	N	N	N	10	30	N	N	N	<5	10	N	<5	N	150	<10
MEM4311P	N	N	N	<20	30	2,000	N	150	15	70	N	20	150	N	300
MEM4311P	N	N	N	10	N	<20	N	N	<5	10	N	<5	N	100	<10
MEM4313P	N	N	N	N	30	1,000	N	300	10	30	N	<5	N	N	500
MEM4313P	N	N	N	10	N	<20	N	N	5	10	N	<5	N	<100	<10
MEM5215P	N	N	<10	100	<10	50	N	<50	10	50	N	10	N	N	70
MEM5218P	N	N	<5	<10	N	30	N	<20	5	20	N	<5	N	N	10
MEM5218P	N	N	<10	200	10	2,000	N	70	50	50	N	30	30	N	300
MEM5220P	N	N	<5	<10	<5	20	N	N	5	15	N	5	N	N	10
MEM5220P	N	N	N	150	15	1,000	N	<50	10	100	N	<10	N	N	70
MEM5222P	N	N	<5	<10	N	N	N	N	<5	30	N	<5	N	100	<10
MEM5222P	1,500	N	20	100	10	>2,000	N	70	<10	150	N	20	N	N	100
MEM5224P	N	N	N	10	<5	20	N	N	5	20	N	<5	N	100	10
MEM5224P	30	N	<10	30	30	1,000	N	300	20	30	N	10	150	N	300
MEM5226P	N	N	N	<10	<5	<20	N	N	<5	30	N	<5	N	200	<10
MEM5226P	N	N	<10	30	30	700	<10	300	15	50	N	10	150	N	300
MEM5283P	N	N	10	300	<10	300	N	50	10	50	N	10	N	<200	300
MEM5285P	N	N	N	500	10	>2,000	N	500	10	50	N	10	50	N	500
MEM5287P	N	N	N	<10	<5	<20	N	N	<5	15	N	N	N	N	<10
MEM5287P	N	N	N	100	15	700	N	<50	10	50	N	<10	N	N	100
MEM5289P	N	N	5	<10	<5	20	N	<20	5	20	N	5	N	N	20
MEM5289P	N	N	N	200	15	1,000	15	100	30	300	N	30	N	N	150

CHAPTER F

LATITUDE 46°00'-46°30' LONGITUDE 113°30'-114°00'

TABLE 2. PAN-CONCENTRATE SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°x2° CUSMAP QUADRANGLE, MONTANA (continued)

SAMPLE	S-W	S-Y	S-ZN	S-ZR	S-TH	AA-AU
MEM1260P	N	500	N	700	200	<.02
MEM1262P	N	1,000	N	300	700	.74
MEM1801P	100	5,000	N	1,500	700	<.02
MEM1803P	<100	1,500	N	700	1,500	<.02
MEM1805P	N	1,000	N	>2,000	500	<.02
MEM2328P	N	1,000	N	>2,000	200	<.02
MEM2330P	N	700	N	200	<200	<.05
MEM2332P	N	1,000	N	200	N	<.05
MEM2334P	N	1,000	N	300	700	<.05
MEM2336P	N	1,000	N	200	500	6.93
MEM2707P	N	500	N	50	N	2.95
MEM2709P	N	200	N	100	N	<.05
MEM2711P	N	1,500	N	700	200	<.05
MEM2714P	N	>5,000	N	1,500	3,000	1.45
MEM3389P	N	3,000	N	>2,000	2,000	<.05
MEM3389P	N	10	N	20	N	--
MEM3390P	N	3,000	N	>2,000	500	.11
MEM3390P	N	20	N	100	N	--
MEM4240P	N	1,000	N	>2,000	N	.15
MEM4240P	N	10	N	100	N	--
MEM4307P	<100	5,000	N	>2,000	700	<.05
MEM4307P	N	N	N	10	N	--
MEM4309P	<100	5,000	N	>2,000	700	<.05
MEM4309P	N	N	N	70	N	--
MEM4311P	<100	>5,000	N	>2,000	700	<.05
MEM4311P	N	N	N	30	N	--
MEM4313P	N	5,000	N	>2,000	700	<.05
MEM4313P	N	N	N	70	N	--
MEM5215P	N	30	N	700	N	.25
MEM5218P	N	15	N	200	N	<.05
MEM5218P	N	3,000	N	>2,000	<200	--
MEM5220P	N	30	N	150	N	<.05
MEM5220P	<100	2,000	N	>2,000	N	--
MEM5222P	N	N	N	10	N	<.05
MEM5222P	<100	5,000	N	>2,000	>5,000	--
MEM5224P	N	N	N	70	N	<.05
MEM5224P	N	5,000	N	>2,000	<200	--
MEM5226P	N	N	N	50	N	<.05
MEM5226P	N	3,000	N	>2,000	300	--
MEM5283P	N	500	N	1,000	N	.05
MEM5285P	N	5,000	N	2,000	3,000	.03
MEM5287P	N	10	N	200	N	<.05
MEM5287P	N	1,000	N	>2,000	N	--
MEM5289P	N	15	N	100	N	<.05
MEM5289P	N	2,000	N	>2,000	N	--

CHAPTER F

LATITUDE 46°00'-46°30' LONGITUDE 113°30'-114°00'

TABLE 2.PAN-CONCENTRATE SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°x2°CUSMAP QUADRANGLE, MONTANA(continued)

SAMPLE	LATITUDE	LONGITUDE	S-FEX	S-MGZ	S-CAZ	S-TIZ	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE
MEM5291P	46 14 29	113 39 28	.50	.15	<.05	.070	50	N	N	N	30	300	1.0
MEM5291P	46 14 29	113 39 28	5.00	.20	.20	>2.000	150	N	N	N	1,000	7,000	7.0
MEM5293P	46 14 26	113 38 50	.30	.10	<.05	.050	50	N	N	N	30	300	<1.0
MEM5293P	46 14 26	113 38 50	5.00	.30	.30	>2.000	200	N	N	N	2,000	10,000	5.0
MOL1290P	46 2 39	113 32 13	2.00	.30	<.10	.700	100	N	N	N	100	700	<2.0
MOL1295P	46 0 28	113 34 10	2.00	.15	<.10	.300	150	N	N	N	70	300	<2.0
MOL1297P	46 0 25	113 34 7	2.00	.50	2.00	.700	150	N	N	N	200	500	<2.0
MOL1301P	46 1 31	113 37 17	1.50	.30	<.10	.300	150	N	N	N	150	300	N
MOL1303P	46 1 33	113 37 19	2.00	.70	1.50	.500	500	N	N	N	70	1,000	2.0
MOL1305P	46 1 50	113 36 36	3.00	.50	.20	.700	500	N	N	N	150	500	N
MOL1307P	46 3 55	113 32 46	3.00	.30	.15	.700	200	N	N	N	150	500	N
MOL1654P	46 1 54	113 33 54	.70	.30	<.10	.300	150	N	N	N	70	500	<2.0
MOL1656P	46 2 2	113 33 43	1.00	.50	<.10	.300	150	N	N	N	70	500	<2.0
MOL1658P	46 2 6	113 36 49	1.00	.70	.70	.200	300	N	N	N	200	700	<2.0
MOL2337P	46 0 9	113 31 32	1.50	.70	.70	.300	200	N	N	N	200	1,000	3.0
MOL2339P	46 0 17	113 31 36	2.00	.10	.15	.500	150	<1.0	N	N	100	10,000	<2.0
MOL2342P	46 1 15	113 31 31	1.00	.20	<.10	.200	100	N	N	N	150	700	<2.0
MOL2344P	46 1 28	113 31 18	5.00	.70	1.00	.300	200	N	N	N	150	700	2.0
MOL2347P	46 1 59	113 31 20	7.00	.50	2.00	1.500	1,000	N	N	N	200	5,000	<2.0
MOL2349P	46 1 56	113 31 27	1.50	.50	1.00	.300	150	N	N	N	150	1,500	2.0
MOL2351P	46 3 6	113 32 16	1.00	.20	.10	.500	50	N	N	N	70	500	<2.0
MOL2357P	46 4 0	113 32 15	10.00	.30	1.00	2.000	700	N	N	N	200	700	<2.0
MOL2359P	46 3 1	113 34 48	3.00	.70	1.00	.500	150	N	N	N	200	700	<2.0
MOL2362P	46 3 7	113 36 10	1.50	2.00	3.00	.200	500	N	N	N	150	700	<2.0
MOL2364P	46 2 59	113 36 6	1.00	1.00	.70	.200	100	N	N	N	150	500	<2.0
MOL2367P	46 4 5	113 35 22	.70	.30	.20	.200	100	N	N	N	150	500	<2.0
MOL2369P	46 4 8	113 35 8	.50	.30	.15	.150	150	N	N	N	150	500	<2.0
MOL2372P	46 7 4	113 35 18	7.00	.30	2.00	1.500	700	<1.0	N	N	200	700	<2.0
MOL2375P	46 6 32	113 34 42	.50	.20	.10	.200	30	N	N	N	150	300	<2.0
MOL2377P	46 6 36	113 34 41	3.00	.50	.10	.500	3,000	N	N	N	200	2,000	2.0
MOL2380P	46 6 32	113 35 35	3.00	.30	.70	1.000	200	N	N	N	200	500	N
MOL2556	46 1 59	113 31 21	1.00	.70	1.50	.150	150	N	N	N	20	1,000	3.0
MOL4315P	46 6 43	113 31 55	2.00	.50	1.00	>2.000	200	15.0	N	N	700	300	N
MOL4315P	46 6 43	113 31 55	.15	.05	.05	.030	15	N	N	N	70	70	N
MOL4317P	46 5 34	113 32 37	.50	.20	.10	>2.000	150	15.0	N	N	2,000	150	7.0
MOL4317P	46 5 34	113 32 37	.10	.05	<.05	.050	10	N	N	N	15	150	N
MOL4319P	46 6 30	113 32 41	.70	.30	<.05	.150	200	N	N	N	150	300	1.5
MOL4319P	46 6 30	113 32 41	5.00	.30	.15	1.500	1,000	N	1,500	N	1,000	1,500	2.0
MOL507P	46 0 1	113 36 18	.70	.15	<.10	.300	50	N	N	N	50	300	<2.0
MOL509P	46 0 18	113 36 13	1.50	.70	.20	.300	150	N	N	N	50	1,000	2.0
MOL5323P	46 4 25	113 31 26	.30	.15	.20	.100	300	N	N	N	70	500	1.0
MOL5323P	46 4 25	113 31 26	5.00	1.50	10.00	>2.000	700	N	N	N	500	3,000	3.0
MOL5325P	46 4 51	113 30 32	.20	.10	.07	.070	20	N	N	N	20	300	<1.0
MOL5325P	46 4 51	113 30 32	1.50	1.00	2.00	>2.000	200	N	N	N	500	10,000	5.0
MOL5327P	46 4 29	113 30 21	.15	.07	.07	.030	20	N	N	N	20	300	<1.0

CHAPTER F

LATITUDE 46°00'–46°30' LONGITUDE 113°30'–114°00'

TABLE 2.PAN-CONCENTRATE SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°x2°CUSMAP QUADRANGLE, MONTANA(continued)

SAMPLE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V
MEM5291P	N	N	<5	10	<5	20	N	<20	5	20	N	<5	N	N	15
MEM5291P	N	N	N	70	20	1,500	N	50	<10	50	N	20	N	N	150
MEM5293P	N	N	<5	<10	<5	<20	N	N	5	15	N	N	N	N	<10
MEM5293P	N	N	N	200	20	500	N	70	<10	70	N	15	N	<200	100
MOL1290P	N	N	N	30	<10	70	N	<50	<10	20	N	<10	N	N	70
MOL1295P	N	N	10	50	20	50	N	<50	<10	30	N	<10	N	N	30
MOL1297P	N	N	10	70	<10	50	N	<50	<10	30	N	10	N	N	70
MOL1301P	N	N	10	30	N	70	N	<50	<10	<20	N	<10	N	N	50
MOL1303P	N	N	10	50	10	150	N	50	<10	20	N	<10	N	<200	50
MOL1305P	N	N	N	50	<10	70	N	<50	<10	30	N	<10	N	N	70
MOL1307P	N	N	N	70	<10	50	N	<50	<10	30	N	<10	N	<200	70
MOL1654P	N	N	N	<20	10	50	N	<50	<10	30	N	<10	N	<200	50
MOL1656P	N	N	N	20	<10	70	N	N	10	20	N	<10	N	N	70
MOL1658P	N	N	<10	20	<10	50	N	<50	15	20	N	N	N	N	50
MOL2337P	N	N	<10	50	15	50	N	N	15	30	N	10	N	N	50
MOL2339P	N	N	10	50	20	50	N	<50	10	20	N	N	N	N	70
MOL2342P	N	N	N	20	<10	<50	N	N	10	30	N	N	N	N	20
MOL2344P	N	N	20	30	20	300	N	<50	50	50	N	10	N	N	70
MOL2347P	50	N	15	100	20	1,500	N	70	20	50	N	10	N	<200	100
MOL2349P	N	N	<10	30	<10	150	N	<50	10	30	N	<10	N	N	50
MOL2351P	N	N	<10	50	N	50	N	<50	<10	<20	N	10	N	N	50
MOL2357P	N	N	<10	70	10	1,000	N	100	10	50	N	10	N	N	200
MOL2359P	N	N	<10	50	<10	<50	N	<50	10	20	N	<10	N	N	70
MOL2362P	N	N	<10	50	<10	<50	N	<50	10	<20	N	<10	N	N	50
MOL2364P	N	N	<10	20	N	<50	N	N	10	<20	N	<10	N	N	30
MOL2367P	N	N	<10	30	N	<50	N	N	10	<20	N	N	N	N	30
MOL2369P	N	N	<10	<20	N	<50	N	N	10	20	N	N	N	N	30
MOL2372P	N	N	<10	70	10	2,000	N	100	10	20	N	10	N	N	150
MOL2375P	N	N	N	<20	<10	<50	N	N	10	20	N	<10	N	N	20
MOL2377P	N	N	15	30	<10	50	N	N	15	30	N	<10	N	N	100
MOL2380P	N	N	N	30	<10	70	N	<50	10	<20	N	15	N	N	70
MOL2556	N	N	N	30	<10	<50	N	<10	10	50	N	<10	N	300	20
MOL4315P	N	N	N	N	10	700	N	<50	<10	70	N	N	N	N	70
MOL4315P	N	N	N	<10	N	<20	N	<50	5	<10	N	N	N	N	<10
MOL4317P	N	N	<10	N	15	500	N	<50	N	70	N	N	N	N	70
MOL4317P	N	N	N	10	<5	<20	N	N	<5	10	N	<5	N	<100	<10
MOL4319P	N	N	5	15	<5	20	N	N	7	30	N	5	N	N	20
MOL4319P	N	N	N	150	15	150	N	N	10	70	N	15	N	N	100
MOL507P	N	N	<10	30	N	150	N	<50	<10	20	N	<10	N	N	<20
MOL509P	N	N	<10	50	<10	70	N	N	<10	20	N	10	N	<200	50
MOL5323P	N	N	5	N	5	20	N	N	5	15	N	5	N	N	<10
MOL5323P	N	N	<10	100	10	200	10	100	<10	150	N	20	30	N	150
MOL5325P	N	N	5	<10	7	20	N	N	5	10	N	5	N	N	10
MOL5325P	N	N	<10	100	20	300	N	<50	<10	50	N	30	<20	N	100
MOL5327P	N	N	<5	N	<5	20	N	N	5	10	N	<5	N	N	<10

CHAPTER F

LATITUDE 46°00'-46°30' LONGITUDE 113°30'-114°00'

TABLE 2.PAN-CONCENTRATE SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°x2°CUSMAP QUADRANGLE, MONTANA (continued)

SAMPLE	S-W	S-Y	S-ZN	S-ZR	S-TH	AA-AU
MEM5291P	N	20	N	100	N	<.05
MEM5291P	N	1,000	N	>2,000	N	--
MEM5293P	N	<10	N	70	N	<.05
MEM5293P	N	700	N	>2,000	N	--
MOL1290P	N	50	N	1,000	N	<.02
MOL1295P	N	<20	N	>2,000	N	<.02
MOL1297P	N	100	N	1,500	N	2.91
MOL1301P	N	30	N	700	N	.03
MOL1303P	N	100	N	200	N	.05
MOL1305P	N	100	N	2,000	N	<.02
MOL1307P	N	50	N	2,000	N	<.02
MOL1654P	N	<20	N	2,000	N	<.02
MOL1656P	N	<20	N	700	N	.57
MOL1658P	N	20	N	300	N	<.02
MOL2337P	N	20	N	700	N	<.05
MOL2339P	N	20	N	500	N	<.05
MOL2342P	N	N	N	200	N	--
MOL2344P	N	50	N	700	N	<.05
MOL2347P	200	70	N	>2,000	N	<.05
MOL2349P	N	20	N	700	N	<.05
MOL2351P	N	100	N	2,000	N	1.80
MOL2357P	100	150	N	>2,000	N	1.10
MOL2359P	N	100	N	700	N	<.05
MOL2362P	N	<20	N	150	N	<.05
MOL2364P	N	50	N	150	N	<.05
MOL2367P	N	20	N	700	N	<.05
MOL2369P	N	N	N	500	N	<.05
MOL2372P	N	300	N	500	N	<.05
MOL2375P	N	20	N	1,000	N	<.05
MOL2377P	N	30	N	500	N	1.40
MOL2380P	N	50	N	>2,000	N	<.05
MOL2556	N	N	N	100	N	<.05
MOL4315P	N	1,000	N	>2,000	<200	.11
MOL4315P	N	N	N	100	N	--
MOL4317P	N	700	N	>2,000	N	<.05
MOL4317P	N	N	N	70	N	--
MOL4319P	N	20	N	150	N	<.05
MOL4319P	N	1,000	N	>2,000	N	--
MOL507P	N	70	N	300	N	<.02
MOL509P	N	20	N	200	N	<.02
MOL5323P	N	10	N	100	N	<.05
MOL5323P	150	300	N	>2,000	N	--
MOL5325P	N	<10	N	100	N	<.05
MOL5325P	<100	700	N	>2,000	N	--
MOL5327P	N	N	N	100	N	<.05

CHAPTER F

LATITUDE 46°00'–46°30' LONGITUDE 113°30'–114°00'

TABLE 2.PAN-CONCENTRATE SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°x2°CUSMAP QUADRANGLE, MONTANA(continued)

SAMPLE	LATITUDE	LONGITUDE	S-FEX	S-MGZ	S-CAX	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE
MOL5327P	46 4 29	113 30 21	1.50	.50	2.00	>2.000	150	N	N	N	700	10,000	5.0
MOL5329P	46 4 17	113 30 22	.50	.15	.07	-.070	70	N	N	N	30	300	1.0
MOL5329P	46 4 17	113 30 22	5.00	.30	1.50	>2.000	150	N	N	N	500	>10,000	7.0
MOL5331P	46 5 12	113 30 14	.30	.15	.15	-.070	30	N	N	N	30	500	1.0
MOL5331P	46 5 12	113 30 14	1.50	.70	2.00	>2.000	200	N	N	N	700	3,000	5.0
MOL5333P	46 6 31	113 30 10	.50	.15	.15	-.070	200	N	N	N	50	500	1.0
MOL5333P	46 6 31	113 30 10	2.00	1.00	3.00	>2.000	300	N	N	N	500	3,000	2.0
MOL955P	46 5 44	113 36 5	3.00	.50	1.00	.700	300	N	N	N	100	500	N
QUI0799P	46 28 36	113 38 36	1.00	.20	<.10	-.200	200	N	N	N	70	300	<2.0
QUI1601P	46 28 38	113 38 37	3.00	.70	<.10	.300	150	N	N	N	100	500	2.0
QUI1603P	46 29 3	113 38 2	1.50	.30	<.10	-.150	100	<1.0	N	N	100	300	<2.0
QUI1823P	46 26 10	113 41 50	7.00	1.00	-.15	-.700	300	N	N	N	300	2,000	3.0
QUI1918P	46 29 28	113 41 21	5.00	.70	-.15	-.700	500	N	N	N	200	700	3.0
QUI1920P	46 29 30	113 41 20	7.00	.50	<.10	-.500	200	N	N	N	200	300	2.0
QUI2730P	46 26 8	113 44 47	1.50	.50	.10	-.300	150	<1.0	N	N	50	700	3.0
QUI2732P	46 25 54	113 44 24	1.00	.30	-.30	-.200	150	N	N	N	50	700	3.0
QUI2735P	46 25 19	113 42 49	2.00	.30	.10	-.700	150	N	N	N	150	1,000	2.0
QUI2737P	46 24 44	113 42 17	2.00	.30	<.10	-.500	150	N	N	N	100	2,000	3.0
QUI2739P	46 24 35	113 41 55	2.00	.70	<.10	-.500	100	N	N	N	150	700	2.0
QUI2741P	46 24 4	113 42 0	3.00	.30	.15	-.700	150	N	N	N	150	1,000	2.0
QUI2757P	46 24 46	113 42 41	15.00	.15	1.00	1.500	2,000	N	N	N	30	700	2.0
QUI2759P	46 24 24	113 42 14	15.00	.10	.70	>2.000	3,000	N	N	N	50	300	2.0
QUI2761P	46 23 47	113 41 20	15.00	.70	1.50	>2.000	3,000	N	N	N	50	300	N
QUI2763P	46 22 43	113 40 20	2.00	.50	.10	1.000	300	N	N	N	150	500	2.0
QUI2765P	46 22 55	113 40 13	1.50	.50	.15	.500	50	N	N	N	50	500	2.0
QUI3200P	46 22 52	113 38 59	1.50	.30	.15	.500	20	<1.0	N	N	100	>10,000	3.0
QUI3202P	46 22 35	113 38 35	1.50	1.00	.15	-.500	300	N	N	N	150	1,000	5.0
QUI4242P	46 22 47	113 43 17	.30	.20	1.00	1.000	500	N	N	N	N	200	3.0
QUI4242P	46 22 47	113 43 17	.30	.15	<.05	-.100	20	N	N	N	100	500	1.0
QUI4244P	46 23 29	113 42 21	2.00	.30	5.00	2.000	1,000	N	N	N	<20	500	3.0
QUI4244P	46 23 29	113 42 21	.15	.02	.50	.020	100	N	N	N	<10	300	1.5
QUI514P	46 26 24	113 39 24	7.00	.70	.15	-.700	300	N	N	N	150	1,000	2.0
QUI522P	46 24 38	113 41 52	3.00	.50	.10	-.700	100	N	N	N	100	500	<2.0
QUI543P	46 28 13	113 40 53	5.00	.70	<.10	-.500	150	N	N	N	150	500	<2.0
QUI548P	46 28 12	113 41 33	5.00	.70	.15	-.700	700	N	N	N	150	700	<2.0
QUI549P	46 28 12	113 42 29	5.00	.70	.10	-.700	200	N	N	N	100	1,000	2.0
QUI553P	46 27 42	113 44 49	2.00	.70	.15	-.300	70	N	N	N	50	300	N
S0034P	46 15 24	113 31 47	3.00	.70	.30	-.500	700	N	N	N	300	500	3.0
S0036P	46 15 21	113 31 52	5.00	.70	1.00	-.700	700	N	N	N	100	1,000	2.0
S0039P	46 18 58	113 36 13	1.00	.30	.15	-.300	1,000	1.5	N	N	300	500	5.0
S0041P	46 19 10	113 34 36	1.00	.20	1.00	-.200	1,000	N	N	N	30	1,000	5.0
S0046P	46 20 17	113 32 56	2.00	.20	1.50	-.150	700	N	N	N	20	2,000	3.0
S0048P	46 20 16	113 33 7	3.00	.30	.70	-.200	500	N	N	N	<20	3,000	3.0
S0050P	46 21 13	113 30 54	15.00	.70	.50	-.500	3,000	N	N	N	50	3,000	7.0
S0052P	46 20 58	113 31 3	3.00	.70	.50	-.200	2,000	N	N	N	100	700	5.0

CHAPTER F

LATITUDE 46°00'–46°30' LONGITUDE 113°30'–114°00'

TABLE 2.PAN-CONCENTRATE SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°x2°CUSMAP QUADRANGLE, MONTANA(continued)

SAMPLE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V
MOL5327P	N	N	<10	70	20	300	N	70	<10	50	N	20	<20	N	100
MOL5329P	N	N	<5	N	5	20	N	N	5	10	N	5	N	N	15
MOL5329P	N	N	<10	50	20	300	N	100	<10	150	N	<10	N	N	100
MOL5331P	N	N	<5	<10	<5	20	N	N	5	15	N	N	N	<100	10
MOL5331P	N	N	<10	70	20	500	N	100	<10	70	N	15	20	N	150
MOL5333P	N	N	5	<10	<5	20	N	<20	5	20	N	5	N	<100	15
MOL5333P	150	N	<10	100	15	200	N	100	<10	100	N	20	30	N	150
MOL955P	N	N	N	30	N	70	N	<50	<10	<20	N	10	N	N	50
QUI0799P	N	N	N	20	N	50	N	<50	10	<20	N	N	N	<200	30
QUI1601P	N	N	<10	30	<10	50	N	<50	10	<20	N	N	N	N	50
QUI1603P	N	N	<10	20	<10	50	N	N	15	20	N	N	N	N	30
QUI1823P	N	N	<10	100	<10	70	N	<50	20	<20	N	15	N	<200	150
QUI1918P	N	N	10	100	<10	100	N	<50	20	<20	N	15	N	N	70
QUI1920P	N	N	70	50	<10	50	N	<50	30	<20	N	10	N	N	50
QUI2730P	N	N	<10	50	<10	50	N	<50	<10	20	N	10	N	N	50
QUI2732P	N	N	N	20	<10	50	N	N	<10	20	N	10	N	N	30
QUI2735P	N	N	N	50	<10	70	N	<50	N	20	N	10	N	N	70
QUI2737P	N	N	<10	30	<10	50	N	<50	<10	20	N	10	N	N	70
QUI2739P	N	N	<10	50	<10	50	N	<50	10	20	N	10	N	N	50
QUI2741P	N	N	<10	100	<10	70	N	<50	<10	30	N	10	N	N	50
QUI2757P	N	N	<10	50	<10	150	N	100	<10	30	N	20	N	<200	150
QUI2759P	N	N	10	50	10	1,500	N	200	N	70	N	20	150	N	300
QUI2761P	N	N	20	150	30	300	N	150	15	30	N	20	N	N	200
QUI2763P	N	N	<10	30	<10	<50	N	<50	10	<20	N	<10	N	N	50
QUI2765P	N	N	N	50	<10	50	N	N	<10	<20	N	<10	N	N	50
QUI3200P	N	N	<10	20	<10	50	N	<50	10	<20	N	10	N	N	50
QUI3202P	N	N	<10	20	<10	50	N	<50	20	20	N	10	N	N	70
QUI4242P	N	N	N	70	30	>2,000	N	<50	10	70	N	<10	N	N	50
QUI4242P	N	N	N	15	<5	20	N	N	<5	10	N	5	N	N	15
QUI4244P	1,000	N	N	100	15	>2,000	N	70	10	150	N	<10	<20	N	70
QUI4244P	N	N	N	<10	N	20	N	N	<5	20	N	N	N	100	<10
QUI514P	N	N	10	100	10	10	N	<50	20	20	N	15	N	N	70
QUI522P	N	N	<10	70	<10	50	N	<50	10	20	N	10	N	N	70
QUI543P	N	N	<10	70	<10	50	N	<50	15	20	N	15	N	N	70
QUI548P	N	N	10	100	<10	70	N	<50	20	20	N	15	N	N	70
QUI549P	N	N	<10	100	<10	100	N	<50	15	20	N	15	N	N	70
QUI553P	N	N	N	100	N	50	N	N	15	<20	N	10	N	N	50
S0034P	N	N	<10	100	15	70	N	N	20	30	N	10	N	N	100
S0036P	N	N	15	100	15	100	N	<50	20	20	N	10	N	300	150
S0039P	N	N	N	100	<10	50	N	N	15	20	N	<10	N	<200	30
S0041P	N	N	<10	70	<10	<50	N	N	15	50	N	N	N	500	30
S0046P	N	N	<10	30	<10	50	N	N	10	20	N	N	N	N	50
S0048P	N	N	<10	30	<10	<50	N	N	10	<20	N	N	N	500	200
S0050P	N	N	70	50	150	50	N	<50	50	50	N	10	N	<200	150
S0052P	N	N	15	30	10	50	N	N	10	<20	N	<10	N	N	50

CHAPTER F

LATITUDE 46°00'–46°30' LONGITUDE 113°30'–114°00'
 TABLE 2.PAN-CONCENTRATE SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°x2°CUSMAP QUADRANGLE, MONTANA(continued)

SAMPLE	S-W	S-Y	S-ZN	S-ZR	S-TH	AA-AU
MOL5327P	<100	700	N	>2,000	<200	--
MOL5329P	N	20	N	70	N	<.05
MOL5329P	N	500	N	>2,000	N	--
MOL5331P	N	10	N	70	N	<.05
MOL5331P	<100	700	N	>2,000	N	--
MOL5333P	N	15	N	150	N	<.05
MOL5333P	<100	700	N	>2,000	N	--
MOL955P	N	50	N	1,500	N	<.02
QUI0799P	N	<20	N	200	N	.15
QUI1601P	N	<20	N	200	N	<.02
QUI1603P	N	<20	N	300	N	<.02
QUI1823P	N	50	N	500	N	.16
QUI1918P	N	50	N	500	N	.25
QUI1920P	N	30	N	500	N	2.04
QUI2730P	N	<20	N	500	N	<.05
QUI2732P	N	20	N	200	N	3.62
QUI2735P	N	30	N	1,500	N	<.05
QUI2737P	N	70	N	1,500	N	<.05
QUI2739P	N	20	N	700	N	<.05
QUI2741P	N	30	N	>2,000	N	<.05
QUI2757P	N	70	N	200	N	<.05
QUI2759P	100	300	N	1,000	<200	3.60
QUI2761P	N	150	N	300	N	.89
QUI2763P	N	50	N	700	N	.05
QUI2765P	N	500	N	700	N	.23
QUI3200P	N	70	N	700	N	<.05
QUI3202P	N	70	N	500	N	<.05
QUI4242P	<100	1,500	N	>2,000	>5,000	.06
QUI4242P	N	10	N	200	N	--
QUI4244P	500	1,500	N	>2,000	5,000	.07
QUI4244P	N	N	N	30	N	--
QUI514P	N	50	N	700	N	<.02
QUI522P	N	70	N	500	N	<.02
QUI543P	N	30	N	300	N	.04
QUI548P	N	50	N	300	N	.07
QUI549P	N	50	N	500	N	<.02
QUI553P	N	30	N	100	N	<.02
S0034P	N	70	N	500	N	<.05
S0036P	N	30	N	200	N	<.05
S0039P	N	<20	N	100	N	.05
S0041P	N	N	N	300	N	.10
S0046P	N	30	N	150	N	.09
S0048P	N	300	N	200	N	1.70
S0050P	N	70	N	300	N	14.80
S0052P	N	30	N	300	N	<.05

CHAPTER F

LATITUDE 46°00'–46°30' LONGITUDE 113°30'–114°00'

TABLE 2. PAN-CONCENTRATE SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°x2° CUSMAP QUADRANGLE, MONTANA (continued)

SAMPLE	LATITUDE	LONGITUDE	S-FEX	S-MGX	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE
S0054P	46 21 47	113 30 32	1.50	1.00	.70	.300	700	N	N	N	100	500	3.0
S0057P	46 17 27	113 36 2	2.00	.30	.30	.200	700	N	N	N	150	500	3.0
S0059P	46 17 28	113 35 48	2.00	.50	.50	.300	1,500	N	N	N	150	500	5.0
S0063P	46 16 19	113 43 7	1.50	.10	<.10	.150	100	N	N	N	N	1,000	3.0
S0065P	46 17 35	113 41 8	.10	.50	.15	.150	150	N	N	N	50	1,000	3.0
SAM1355P	46 23 16	113 49 54	3.00	.50	.15	.300	100	N	N	N	150	500	2.0
SAM1717P	46 23 8	113 51 44	3.00	.50	.15	.500	300	N	N	N	100	500	3.0
SAM1743P	46 26 45	113 52 21	7.00	2.00	1.00	1.000	1,000	N	N	N	150	700	3.0
SAM2679P	46 29 56	113 49 23	10.00	1.00	2.00	>2.000	2,000	N	N	N	70	300	<2.0
SAM2682P	46 28 44	113 49 47	15.00	1.50	5.00	>2.000	3,000	N	N	N	50	200	N
SAM2684P	46 28 44	113 49 44	15.00	3.00	5.00	>2.000	3,000	N	N	N	50	200	N
SAM2716P	46 29 39	113 46 40	20.00	1.50	3.00	>2.000	5,000	N	N	N	20	200	N
SAM2722P	46 28 16	113 46 38	7.00	1.50	2.00	2.000	150	N	N	N	100	500	<2.0
SAM2724P	46 27 20	113 46 2	1.50	.50	.10	.300	100	N	N	N	300	500	2.0
SAM2726P	46 27 6	113 46 3	3.00	.70	.15	.200	300	N	N	N	150	700	2.0
SAM2728P	46 26 35	113 45 24	1.50	.30	<.10	.200	150	N	N	N	150	500	2.0
SAM4246P	46 26 14	113 50 24	7.00	2.00	7.00	>2.000	500	N	N	N	1,000	150	N
SAM4246P	46 26 14	113 50 24	1.50	.70	.30	.200	100	N	N	N	70	300	1.0
SAM4248P	46 26 32	113 49 30	5.00	.50	1.00	>2.000	70	N	N	N	150	300	N
SAM4248P	46 26 32	113 49 30	1.00	.30	.07	.150	100	N	N	N	50	500	1.0
SAM4250P	46 26 59	113 49 21	7.00	.70	7.00	>2.000	500	N	N	N	150	500	N
SAM4250P	46 26 59	113 49 21	.30	.30	.05	.100	50	N	N	N	30	300	1.0
SAM4254P	46 28 18	113 48 12	5.00	.50	7.00	>2.000	500	N	N	N	100	200	<2.0
SAM4254P	46 28 18	113 48 12	.30	.30	.30	.150	70	N	N	N	30	300	1.0
SAM4256P	46 26 0	113 46 54	3.00	2.00	5.00	2.000	1,000	2.0	N	N	50	200	N
SAM4256P	46 26 0	113 46 54	.30	.30	<.05	.100	50	N	N	N	20	150	N
SAM4258P	46 24 56	113 47 50	.70	1.00	1.50	2.000	300	N	N	N	500	1,500	N
SAM4258P	46 24 56	113 47 50	.70	.50	.05	.150	150	N	N	N	50	300	1.0
SAM4260P	46 24 24	113 46 56	3.00	.70	5.00	>2.000	1,000	N	N	N	300	300	N
SAM4260P	46 24 24	113 46 56	.20	.10	.30	.050	30	N	N	N	10	200	1.5
SAM4262P	46 24 26	113 46 57	2.00	.30	2.00	>2.000	700	N	N	N	100	200	N
SAM4262P	46 24 26	113 46 57	.30	.10	.15	.070	30	N	N	N	15	150	1.0
SAM4264P	46 24 26	113 46 59	10.00	.70	3.00	>2.000	700	N	N	N	30	300	N
SAM4264P	46 24 26	113 46 59	.50	.15	.15	.100	70	N	N	N	15	200	1.5
SAM4266P	46 23 28	113 45 51	.20	.30	1.00	1.000	700	<1.0	N	N	<20	50	N
SAM4266P	46 23 28	113 45 51	.10	.05	.30	.020	100	N	N	N	<10	200	1.5
SK0766P	46 10 34	113 48 31	15.00	2.00	5.00	>2.000	2,000	N	N	N	20	300	N
SK0768P	46 10 35	113 48 33	10.00	2.00	5.00	2.000	1,000	N	N	N	<20	500	<2.0
SK0771P	46 10 4	113 48 53	20.00	2.00	5.00	2.000	2,000	N	N	N	<20	200	N
SK0773P	46 10 7	113 48 55	30.00	1.50	5.00	2.000	1,500	N	N	N	50	300	N
SK0775P	46 10 1	113 49 5	20.00	3.00	7.00	>2.000	3,000	N	N	N	<20	200	N
SK0782P	46 9 41	113 50 19	15.00	2.00	7.00	2.000	2,000	N	N	N	<20	300	N
SK1240P	46 9 41	113 46 38	15.00	.70	3.00	>2.000	3,000	N	N	N	20	500	2.0
SK1242P	46 9 45	113 46 36	15.00	.50	3.00	>2.000	5,000	N	N	N	30	300	<2.0
SK1244P	46 9 39	113 46 11	15.00	2.00	3.00	>2.000	5,000	N	N	N	20	300	<2.0

CHAPTER F
LATITUDE 46°00'–46°30' LONGITUDE 113°30'–114°00'
TABLE 2.PAN-CONCENTRATE SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°x2° CUSMAP QUADRANGLE, MONTANA (continued)

SAMPLE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V
S0054P	N	N	15	150	<10	<50	N	N	50	20	N	<10	N	200	50
S0057P	N	N	10	20	<10	<50	N	N	15	<20	N	<10	N	N	50
S0059P	N	N	15	50	<10	50	N	N	20	<20	N	<10	N	<200	70
S0063P	N	N	<10	50	<10	<50	N	N	<10	<20	N	N	N	N	30
S0065P	N	N	N	50	N	50	N	N	10	<20	N	<10	N	N	30
SAM1355P	N	N	10	30	N	150	N	<50	10	<20	N	<10	N	N	70
SAM1717P	N	N	10	100	<10	50	N	<50	10	20	N	<10	N	<200	70
SAM1743P	N	N	30	200	30	70	N	<50	70	30	N	15	N	N	200
SAM2679P	N	N	50	150	70	100	N	<50	50	<20	N	15	N	N	200
SAM2682P	N	N	30	200	70	<50	N	<50	70	20	N	20	N	200	300
SAM2684P	N	N	30	500	100	<50	N	<50	150	20	N	20	N	200	300
SAM2716P	N	N	50	500	150	70	N	<50	70	20	N	20	N	N	500
SAM2722P	N	N	30	200	30	70	N	<50	70	<20	N	20	N	N	200
SAM2724P	N	N	N	30	N	50	N	N	10	<20	N	10	N	N	70
SAM2726P	N	N	N	50	<10	500	N	N	10	<20	N	10	N	N	70
SAM2728P	N	N	N	50	<10	50	N	N	10	<20	N	10	N	N	50
SAM4246P	N	N	15	300	20	1,000	N	50	<10	50	N	N	N	N	200
SAM4246P	N	N	5	20	5	30	N	N	10	<10	N	7	N	N	50
SAM4248P	N	N	100	70	200	>2,000	N	<50	30	70	N	N	<20	N	100
SAM4248P	N	N	5	50	<5	30	N	<20	10	<10	N	5	N	N	30
SAM4250P	N	N	15	30	50	100	N	<50	20	20	N	<10	N	700	150
SAM4250P	N	N	N	20	<5	20	N	N	7	<10	N	5	N	N	20
SAM4254P	N	N	<10	50	15	300	N	N	15	<20	N	N	N	500	100
SAM4254P	N	N	5	20	5	20	N	N	10	<10	N	5	N	N	30
SAM4256P	N	N	20	700	70	700	200	70	30	700	N	20	N	N	200
SAM4256P	N	N	<5	15	<5	<20	N	N	5	10	N	N	N	N	15
SAM4258P	N	N	100	300	1,500	>2,000	N	<50	50	30	N	10	<20	N	100
SAM4258P	N	N	N	15	<5	20	N	N	7	<10	N	5	N	N	20
SAM4260P	N	N	10	200	15	>2,000	N	150	10	50	N	<10	70	N	100
SAM4260P	N	N	N	<10	N	N	N	N	<5	10	N	N	N	<100	<10
SAM4262P	N	N	<10	700	30	>2,000	N	700	10	50	N	<10	150	N	300
SAM4262P	N	N	N	<10	<5	<20	N	N	5	10	N	<5	N	N	10
SAM4264P	N	N	300	300	50	>2,000	N	700	10	50	N	10	70	N	200
SAM4264P	N	N	N	15	<5	20	N	<20	5	10	N	<5	N	N	15
SAM4266P	N	N	N	300	15	>2,000	N	50	20	50	N	N	N	N	50
SAM4266P	N	N	N	N	N	20	N	N	<5	20	N	N	N	N	<10
SK0766P	N	N	<10	100	15	>2,000	N	200	10	50	N	30	20	100	200
SK0768P	N	N	70	150	10	1,500	N	150	20	50	N	50	<20	200	300
SK0771P	N	N	15	200	15	>2,000	N	200	15	50	N	50	50	200	500
SK0773P	N	N	20	500	15	>2,000	N	200	20	50	N	50	<20	200	700
SK0775P	N	N	20	150	30	>2,000	N	50	20	30	N	50	<20	<200	300
SK0782P	N	N	50	150	20	>2,000	N	100	15	50	N	50	20	200	300
SK1240P	N	N	<10	200	10	2,000	N	200	10	50	N	20	30	300	300
SK1242P	N	N	15	200	10	>2,000	N	200	10	70	N	30	30	200	500
SK1244P	N	N	15	200	20	>2,000	N	300	10	70	N	50	50	<200	30

CHAPTER F

LATITUDE 46°00'–46°30' LONGITUDE 113°30'–114°00'

TABLE 2. PAN-CONCENTRATE SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°x2° CUSMAP QUADRANGLE, MONTANA (continued)

SAMPLE	S-W	S-Y	S-ZN	S-ZR	S-TH	AA-AU
S0054P	N	50	N	700	N	.06
S0057P	N	150	N	150	N	<.05
S0059P	N	20	N	300	N	.05
S0063P	N	<20	N	150	N	.06
S0065P	N	20	N	300	N	.11
SAM1355P	N	30	N	700	N	.34
SAM1717P	N	70	N	500	N	<.02
SAM1743P	N	50	N	500	N	.03
SAM2679P	N	50	N	500	N	<.02
SAM2682P	N	50	N	500	N	<.02
SAM2684P	N	50	N	200	N	.13
SAM2716P	N	100	N	500	N	.20
SAM2722P	N	50	N	300	N	<.05
SAM2724P	N	20	N	700	N	<.05
SAM2726P	N	50	N	500	N	<.05
SAM2728P	N	20	N	300	N	<.05
SAM4246P	N	300	N	1,000	<200	.22
SAM4246P	N	20	N	200	N	--
SAM4248P	<100	700	N	1,000	<200	.13
SAM4248P	N	20	N	200	N	--
SAM4250P	N	100	N	2,000	N	<.05
SAM4250P	N	15	N	200	N	--
SAM4254P	N	70	N	200	N	<.05
SAM4254P	N	20	N	70	N	--
SAM4256P	N	200	N	>2,000	N	.42
SAM4256P	N	<10	N	50	N	--
SAM4258P	<100	1,000	N	1,500	<200	<.05
SAM4258P	N	15	N	100	N	--
SAM4260P	N	1,500	N	>2,000	1,500	<.05
SAM4260P	N	10	N	70	N	--
SAM4262P	150	1,500	N	>2,000	700	.29
SAM4262P	N	N	N	100	N	--
SAM4264P	100	2,000	N	1,000	<200	<.05
SAM4264P	N	15	N	100	N	--
SAM4266P	<100	3,000	N	>2,000	5,000	<.05
SAM4266P	N	N	N	50	N	--
SK0766P	N	700	N	700	200	<.02
SK0768P	N	500	N	700	<200	<.02
SK0771P	N	700	N	1,000	300	<.02
SK0773P	N	700	N	>2,000	500	<.02
SK0775P	N	500	N	>2,000	<200	<.02
SK0782P	N	700	N	700	300	<.02
SK1240P	N	700	N	2,000	500	<.02
SK1242P	N	1,000	N	>1,000	700	<.02
SK1244P	N	1,500	N	700	200	<.02

CHAPTER F

LATITUDE 46°00'-46°30' LONGITUDE 113°30'-114°00'

TABLE 2.PAN-CONCENTRATE SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1° X 2° CUSMAP QUADRANGLE, MONTANA (continued)

SAMPLE	LATITUDE	LONGITUDE	S-FEX	S-MGX	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE
SK1246P	46 9 48	113 46 7	15.00	.20	3.00	2.000	10,000	N	N	N	20	500	<2.0
SK1248P	46 10 29	113 45 57	10.00	.50	7.00	>2.000	3,000	N	N	N	20	500	<2.0
SK1250P	46 10 32	113 47 0	10.00	.30	5.00	>2.000	1,500	N	N	N	20	300	<2.0
SK1252P	46 10 54	113 45 28	3.00	.70	5.00	2.000	2,000	N	N	N	70	500	2.0
SK1255P	46 11 39	113 45 19	15.00	.70	5.00	>2.000	7,000	N	N	N	50	300	<2.0
SK1257P	46 11 43	113 45 4	15.00	.20	2.00	>2.000	>10,000	N	N	N	30	500	<2.0
SK1807P	46 8 31	113 45 5	10.00	.70	5.00	2.000	3,000	N	N	N	N	700	<2.0
SK1809P	46 8 40	113 45 20	15.00	1.50	5.00	2.000	1,500	N	N	N	50	500	<2.0
SK1811P	46 9 1	113 45 35	7.00	1.00	3.00	1.500	2,000	N	N	N	50	700	3.0
SK1813P	46 8 58	113 45 39	15.00	1.50	7.00	>2.000	2,000	N	N	N	N	300	N
SK1815P	46 9 4	113 45 50	20.00	1.50	10.00	2.000	3,000	N	N	N	N	300	N
SK1902P	46 8 21	113 49 13	15.00	1.50	7.00	2.000	3,000	N	N	N	<20	150	<2.0
SK1904P	46 8 9	113 49 44	20.00	1.50	7.00	2.000	3,000	N	N	N	20	200	<2.0
SK1906P	46 8 7	113 49 46	7.00	.70	3.00	2.000	1,000	N	N	N	<20	500	<2.0
SK2269P	46 7 46	113 51 10	10.00	1.50	5.00	2.000	2,000	N	N	N	20	300	<2.0
SK2271P	46 8 32	113 52 7	7.00	1.00	3.00	1.000	1,500	N	N	N	20	500	<2.0
SK2302P	46 9 42	113 51 28	2.00	1.00	2.00	1.500	500	N	N	N	20	200	2.0
SK2309P	46 8 18	113 52 1	10.00	7.00	7.00	.700	2,000	N	N	N	150	500	2.0
SK2311P	46 12 34	113 51 9	15.00	7.00	7.00	>2.000	2,000	N	N	N	30	200	<2.0
SK2313P	46 13 17	113 50 2	5.00	1.00	1.50	1.000	300	N	N	N	20	150	3.0
SK2315P	46 13 1	113 50 21	7.00	2.00	2.00	1.000	500	N	N	N	20	50	2.0
SK2317P	46 11 57	113 51 57	7.00	3.00	3.00	1.000	700	N	N	N	50	200	<2.0
SK2322P	46 14 33	113 49 56	7.00	2.00	7.00	.700	500	N	N	N	100	200	3.0
SK2324P	46 14 38	113 49 59	7.00	3.00	7.00	1.500	1,500	2.0	N	N	200	70	<2.0
SK2326P	46 11 2	113 45 12	15.00	.10	.70	2.000	>10,000	10.0	N	N	<20	200	<2.0
SK2662P	46 11 34	113 52 13	5.00	.15	5.00	1.000	700	N	N	N	20	200	2.0
SK2664P	46 11 45	113 52 8	10.00	3.00	10.00	2.000	3,000	N	N	N	20	700	<2.0
SK2670P	46 11 48	113 51 59	7.00	3.00	7.00	2.000	1,500	N	N	N	20	300	<2.0
SK2673P	46 10 48	113 50 20	3.00	3.00	5.00	.700	500	N	N	N	70	50	2.0
SK2675P	46 11 10	113 50 35	2.00	2.00	5.00	1.000	500	N	N	N	20	200	3.0
SK2677P	46 11 11	113 50 37	10.00	3.00	7.00	>2.000	2,000	N	N	N	<20	200	<2.0
SK2701P	46 14 46	113 47 1	7.00	2.00	3.00	.500	500	N	N	N	<20	50	<2.0
SK2703P	46 14 51	113 47 25	10.00	5.00	5.00	1.500	1,500	N	N	N	20	100	<2.0
SK2705P	46 14 29	113 45 8	1.00	.30	<1.0	.300	150	N	N	N	100	700	2.0
SK382P	46 9 7	113 49 11	15.00	1.50	7.00	1.500	1,500	N	N	N	N	500	N
SK4297P	46 14 38	113 52 25	1.00	1.00	15.00	>2.000	700	N	N	N	N	<50	N
SK4297P	46 14 38	113 52 25	.70	.30	1.00	.150	150	N	N	N	<10	1,000	<1.0
SK962P	46 12 12	113 48 18	15.00	1.00	7.00	2.000	1,500	N	N	N	<20	300	N
SK964P	46 12 13	113 48 14	20.00	1.00	3.00	>2.000	10,000	N	N	N	20	150	N
SK966P	46 12 0	113 47 54	20.00	1.50	7.00	2.000	1,500	N	N	N	20	300	N
SK971P	46 11 40	113 46 57	15.00	1.00	10.00	>2.000	2,000	N	N	N	<20	150	N
SK973P	46 12 4	113 46 48	7.00	1.50	7.00	2.000	1,500	N	N	N	<20	500	<2.0
SK975P	46 12 8	113 46 35	15.00	1.00	3.00	>2.000	7,000	N	N	N	N	300	N
SK981P	46 11 59	113 45 45	20.00	.70	5.00	>2.000	10,000	N	N	N	30	200	N
SK983P	46 11 57	113 45 48	7.00	1.50	7.00	>2.000	3,000	N	N	N	<20	200	N

CHAPTER F

LATITUDE 46°00'–46°30' LONGITUDE 113°30'–114°00'

TABLE 2. PAN-CONCENTRATE SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°x2° CUSMAP QUADRANGLE, MONTANA (continued)

SAMPLE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V
SK1246P	N	N	10	200	10	>2,000	N	300	10	50	N	50	N	<200	300
SK1248P	N	N	15	100	15	>2,000	N	200	10	50	N	20	30	300	300
SK1250P	N	N	15	100	10	>2,000	N	150	10	50	N	20	20	200	300
SK1252P	N	N	10	50	<10	1,500	N	150	10	70	N	20	N	300	200
SK1255P	N	N	15	100	20	>2,000	N	500	10	50	N	50	50	<200	300
SK1257P	N	N	N	150	10	>2,000	N	300	10	50	N	50	20	<200	300
SK1807P	N	N	<10	70	70	1,500	N	150	10	50	N	20	20	500	300
SK1809P	N	N	10	100	10	2,000	N	150	10	30	N	30	<20	300	300
SK1811P	N	N	<10	70	<10	700	N	150	10	50	N	20	N	300	150
SK1813P	N	N	10	150	20	>2,000	N	100	10	50	N	50	30	300	500
SK1815P	N	N	15	150	20	>2,000	N	150	10	50	N	50	50	300	500
SK1902P	N	N	10	150	10	1,000	N	150	10	50	N	70	20	<200	300
SK1904P	N	N	15	100	10	2,000	N	150	10	50	N	70	20	<200	300
SK1906P	N	N	30	30	10	1,500	N	100	20	50	N	20	<20	300	150
SK2269P	N	N	20	100	20	1,500	N	70	50	30	N	20	N	200	200
SK2271P	N	N	10	70	<10	200	N	<50	10	30	N	15	N	300	150
SK2302P	N	N	10	50	<10	1,000	N	50	15	20	N	10	N	<200	70
SK2309P	200	N	70	50	50	700	N	<50	70	30	N	20	N	N	100
SK2311P	N	N	70	300	30	200	<10	50	100	<20	N	50	N	200	500
SK2313P	N	N	70	150	20	1,000	N	<50	150	<20	N	<10	N	N	100
SK2315P	N	N	150	30	20	1,000	20	<50	200	20	N	10	N	N	70
SK2317P	N	N	50	200	50	700	N	<50	150	20	N	20	N	<200	150
SK2322P	N	N	200	70	50	700	N	<50	50	200	N	10	N	N	70
SK2324P	N	N	100	300	50	500	N	<50	200	20	N	20	N	N	200
SK2326P	N	N	N	70	<10	1,000	N	1,000	10	20	N	150	50	<200	200
SK2662P	N	N	50	70	<10	700	N	<50	70	<20	N	15	N	300	100
SK2664P	N	N	20	70	15	200	N	50	10	<20	N	30	N	2,000	500
SK2670P	N	N	30	150	10	1,000	N	<50	30	<20	N	30	N	200	200
SK2673P	N	N	50	50	10	300	N	<50	100	<20	N	10	N	N	50
SK2675P	N	N	30	20	<10	100	N	<50	30	<20	N	10	N	<200	70
SK2677P	N	N	30	300	15	150	N	<50	20	<20	N	20	N	200	500
SK2701P	N	N	200	50	20	500	N	<50	300	<20	N	10	N	<200	70
SK2703P	N	N	100	500	50	300	N	<50	200	<20	N	30	N	<200	300
SK2705P	N	N	N	20	N	<50	N	N	<10	N	N	<10	N	N	30
SK382P	N	N	20	100	15	2,000	N	100	10	50	N	50	N	200	200
SK4297P	N	N	10	20	20	700	N	50	N	N	N	N	20	1,500	300
SK4297P	N	N	5	10	15	<20	N	N	<5	<10	N	5	N	1,000	30
SK962P	N	N	<10	100	<10	2,000	N	200	10	30	N	50	30	300	200
SK964P	N	N	<10	100	<10	2,000	N	200	<10	70	N	70	50	<200	150
SK966P	N	N	20	300	10	1,000	N	150	10	70	N	70	<20	300	300
SK971P	N	N	N	150	10	>2,000	N	300	10	70	N	50	70	200	300
SK973P	N	N	10	50	10	700	N	200	10	70	N	20	30	300	150
SK975P	N	N	<10	70	20	2,000	N	200	10	50	N	70	30	<200	150
SK981P	N	N	<10	150	20	>2,000	N	300	10	50	N	70	50	<200	200
SK983P	N	N	<10	100	10	2,000	N	300	<10	70	N	50	50	<200	200

CHAPTER F

LATITUDE 46°00'–46°30' LONGITUDE 113°30'–114°00'

TABLE 2. PAN-CONCENTRATE SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°x2° CUSMAP QUADRANGLE, MONTANA (continued)

SAMPLE	S-W	S-Y	S-ZN	S-ZR	S-TH	AA-AU
SK1246P	N	2,000	N	1,000	700	<.02
SK1248P	N	700	N	700	700	<.02
SK1250P	N	700	N	1,000	500	<.02
SK1252P	N	500	N	200	<200	<.02
SK1255P	N	1,000	N	2,000	700	.06
SK1257P	N	1,500	N	1,000	700	<.02
SK1807P	N	700	N	700	200	<.02
SK1809P	N	500	N	700	200	<.02
SK1811P	N	500	N	700	<200	<.02
SK1813P	N	700	N	>2,000	700	<.02
SK1815P	N	1,000	N	>2,000	500	<.02
SK1902P	N	700	N	700	200	.04
SK1904P	N	700	N	1,500	<200	<.02
SK1906P	N	300	N	300	<200	<.02
SK2269P	N	500	N	2,000	N	<.02
SK2271P	N	200	N	500	N	<.02
SK2302P	N	150	N	700	N	<.02
SK2309P	700	150	N	200	N	.04
SK2311P	N	200	N	>2,000	N	<.02
SK2313P	N	150	N	1,500	N	<.02
SK2315P	N	70	N	1,500	N	<.02
SK2317P	N	300	N	500	N	.10
SK2322P	700	70	N	150	N	2.02
SK2324P	N	300	N	200	N	.03
SK2326P	N	5,000	N	500	200	<.02
SK2662P	N	100	N	200	N	<.02
SK2664P	N	150	N	500	N	<.02
SK2670P	N	200	N	700	N	<.02
SK2673P	N	70	N	200	N	<.02
SK2675P	N	300	N	150	N	<.02
SK2677P	N	150	N	>2,000	N	<.02
SK2701P	N	100	N	500	N	<.02
SK2703P	N	50	N	200	N	<.02
SK2705P	N	30	N	500	N	<.02
SK382P	N	500	N	1,000	<200	<.02
SK4297P	N	700	N	1,000	N	<.05
SK4297P	N	10	N	30	N	--
SK962P	N	700	N	700	1,000	<.02
SK964P	N	1,500	N	1,500	1,500	<.02
SK966P	N	700	N	>2,000	300	<.02
SK971P	N	1,500	N	>2,000	700	.22
SK973P	N	700	N	2,000	200	<.02
SK975P	N	700	N	1,000	300	<.02
SK981P	N	1,500	N	>2,000	500	.10
SK983P	N	1,000	N	1,500	200	<.02

CHAPTER F

LATITUDE 46°00'-46°30' LONGITUDE 113°30'-114°00'

TABLE 2.PAN-CONCENTRATE SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°x2°CUSMAP QUADRANGLE, MONTANA(continued)

SAMPLE	LATITUDE	LONGITUDE	S-FE%	S-MG%	S-CA%	S-Ti%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE
SK993P	46 8 1	113 48 4	20.00	1.50	7.00	2.000	2,000	N	N	N	<20	200	N
SK995P	46 7 59	113 48 2	15.00	1.00	3.00	2.000	2,000	N	N	N	<20	200	N
SLV3608P	46 11 6	113 46 14	20.00	1.00	1.50	.700	700	N	N	N	70	300	3.0
STC1032	46 15 39	113 37 59	1.00	.15	2.00	.200	500	1.0	N	N	70	1,000	3.0
STC1032	46 15 48	113 37 58	.70	.20	1.00	.150	300	<1.0	N	N	50	500	2.0
STC1034P	46 15 53	113 37 57	.30	.30	2.00	.030	50	N	N	N	15	700	1.5
STC1034P	46 15 53	113 37 57	<.10	.50	7.00	2.000	200	N	N	N	<20	300	N
STC1036P	46 15 43	113 37 53	.50	.15	.50	.050	20	N	N	N	70	300	1.5
STC1036P	46 15 43	113 37 53	2.00	.15	1.50	>2.000	100	N	N	N	700	500	5.0
STC1037P	46 15 42	113 37 56	.30	.15	1.00	.070	15	N	N	N	70	300	1.5
STC1037P	46 15 42	113 37 56	.50	.20	.70	>2.000	70	N	N	N	1,000	1,500	3.0
STC1038P	46 15 41	113 37 48	.30	.15	.30	.070	20	N	N	N	20	300	1.0
STC1038P	46 15 41	113 37 48	1.00	.15	.70	>2.000	100	N	N	N	700	500	5.0
STC1039P	46 15 42	113 37 33	.70	.20	.30	.150	20	N	N	N	150	300	1.0
STC1039P	46 15 42	113 37 33	.70	.10	.30	>2.000	70	N	N	70	200	500	5.0
STC2768P	46 21 44	113 38 13	1.50	.50	.15	.200	200	N	N	N	50	5,000	3.0
STC2770P	46 21 23	113 38 12	1.50	1.50	2.00	.300	300	N	N	N	50	500	2.0
STC2772P	46 21 23	113 38 12	5.00	.70	.70	.700	700	N	N	N	70	5,000	<2.0
STC3235P	46 17 36	113 40 46	7.00	.20	<.10	1.500	150	N	N	N	300	700	2.0
STC3239P	46 17 33	113 40 56	1.00	.15	<.10	.300	20	N	N	N	70	700	2.0
STC3239P	46 17 33	113 40 56	3.00	.15	<.10	.700	300	N	N	N	70	1,500	3.0
STC3241P	46 17 35	113 40 57	5.00	.50	.20	.700	200	N	N	N	50	5,000	2.0
STC3249P	46 18 30	113 40 1	2.00	.50	.15	.700	300	N	N	N	70	>10,000	2.0
STC3254P	46 18 48	113 40 9	2.00	.30	.15	.700	200	N	N	N	150	1,000	2.0
STC3256P	46 19 19	113 39 59	1.50	.30	<.10	.700	50	N	N	N	100	700	<2.0
STC3295P	46 19 33	113 39 8	3.00	.50	5.00	7.000	200	N	N	N	500	7,000	<2.0
STC3295P	46 19 33	113 39 8	.50	.20	.50	.100	200	N	N	N	20	300	1.5
STC3297P	46 19 14	113 38 8	5.00	.30	7.00	.700	300	70.0	N	70	70	>10,000	100.0
STC3297P	46 19 14	113 38 8	.70	.20	.70	.150	100	2.0	N	N	30	300	1.0
STC3299P	46 19 11	113 38 6	3.00	.15	2.00	1.500	300	N	N	N	700	>10,000	5.0
STC3299P	46 19 11	113 38 6	.70	.15	.30	.150	150	<.5	N	N	50	300	1.0
STC4222P	46 20 33	113 39 47	15.00	1.00	.50	>2.000	500	N	N	N	700	10,000	N
STC4222P	46 20 33	113 39 47	2.00	1.00	.50	.200	200	N	N	N	50	500	1.0
STC4224P	46 20 25	113 39 56	5.00	1.50	1.50	>2.000	200	N	N	N	1,500	500	2.0
STC4224P	46 20 25	113 39 56	.50	.15	<.05	.050	70	<.5	N	N	20	200	<1.0
STC4226P	46 19 30	113 41 18	7.00	2.00	2.00	>2.000	500	N	N	N	1,000	3,000	<2.0
STC4226P	46 19 30	113 41 18	.70	.30	.05	.100	50	N	N	N	70	300	<1.0
STC4228P	46 18 23	113 43 4	7.00	1.00	.30	2.000	100	N	N	N	500	1,000	3.0
STC4228P	46 18 23	113 43 4	.70	.30	<.05	.150	70	N	N	N	70	200	1.0
STC4230P	46 17 55	113 43 52	5.00	3.00	7.00	>2.000	300	N	N	N	500	>10,000	N
STC4230P	46 17 55	113 43 52	.50	.30	.07	.150	70	N	N	N	30	300	1.0
STC4232P	46 17 47	113 43 43	7.00	1.00	.70	2.000	150	N	N	N	200	>10,000	3.0
STC4232P	46 17 47	113 43 43	.50	.20	.05	.100	70	5.0	N	N	30	200	<1.0
STC4238P	46 16 1	113 42 46	5.00	.50	.15	>2.000	100	N	N	N	1,000	10,000	3.0
STC4238P	46 16 1	113 42 46	.30	.10	<.05	.100	50	.5	N	N	30	300	1.0

CHAPTER F

LATITUDE 46°00'–46°30' LONGITUDE 113°30'–114°00'

TABLE 2.PAN-CONCENTRATE SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°x2°CUSMAP QUADRANGLE, MONTANA(continued)

SAMPLE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V
SK993P	N	N	10	150	10	>2,000	N	200	10	50	N	70	30	<200	300
SK995P	N	N	<10	100	10	>2,000	N	200	10	50	N	50	20	<200	300
SLV3608P	20	N	50	100	1,000	70	N	N	70	70	N	<10	N	N	300
STC1032	N	N	<10	20	20	70	N	N	15	70	N	N	N	1,000	20
STC1032	N	N	<10	<20	10	50	N	N	<10	50	N	N	N	700	20
STC1034P	N	N	N	<10	<5	20	N	N	7	30	N	<5	N	1,000	10
STC1034P	N	N	N	<20	N	300	N	N	N	100	N	100	N	N	<20
STC1036P	N	N	<5	10	<5	20	N	N	5	20	N	5	N	300	15
STC1036P	N	N	N	50	15	1,000	N	<50	<10	70	N	20	N	N	70
STC1037P	N	N	<5	<10	<5	20	N	N	5	20	N	N	N	500	10
STC1037P	N	N	N	70	15	2,000	N	<50	<10	200	N	30	N	N	70
STC1038P	N	N	N	10	5	20	N	N	5	20	N	5	N	200	10
STC1038P	N	N	N	70	15	1,000	N	<50	<10	70	N	50	100	N	70
STC1039P	N	N	N	20	<5	30	N	<20	<5	20	N	5	N	200	20
STC1039P	N	N	N	50	15	1,000	N	<50	<10	70	N	50	N	N	70
STC2768P	N	N	N	20	<10	50	N	N	10	<20	N	<10	N	N	50
STC2770P	N	N	N	20	<10	50	N	N	10	<20	N	10	N	N	30
STC2772P	N	N	15	50	10	50	N	N	<10	<20	N	10	N	N	70
STC3235P	N	N	<10	150	20	100	N	<50	<10	20	N	10	N	N	200
STC3239P	N	N	N	50	<10	50	N	<50	10	<20	N	10	N	N	50
STC3239P	N	N	10	30	<10	50	N	<50	10	<20	N	10	N	N	70
STC3241P	N	N	100	100	<10	200	N	<50	20	<20	N	10	N	N	100
STC3249P	N	N	<10	50	10	100	N	<50	10	20	N	10	N	N	70
STC3254P	N	N	<10	100	10	50	N	<50	10	50	N	10	N	N	70
STC3256P	N	N	<10	50	<10	70	N	<50	<10	<20	N	10	N	N	70
STC3295P	N	N	<10	<20	100	>2,000	N	<50	<10	200	N	N	N	N	200
STC3295P	N	N	<5	15	<5	20	N	N	5	20	N	<5	N	500	15
STC3297P	N	N	20	30	50	1,500	N	N	50	100	N	N	N	1,000	50
STC3297P	N	N	5	<10	7	<20	N	N	7	30	N	<5	N	300	20
STC3299P	N	N	<10	20	15	300	N	<50	10	70	N	N	N	2,000	30
STC3299P	N	N	5	15	5	<20	N	N	10	20	N	5	N	150	15
STC4222P	N	N	15	300	20	700	N	100	70	<200	N	<200	N	<200	200
STC4222P	N	N	10	100	20	20	N	N	50	10	N	7	N	<100	70
STC4224P	N	N	<10	200	50	700	N	<50	N	150	N	N	N	N	150
STC4224P	N	N	N	15	<5	N	N	N	5	10	N	N	N	N	10
STC4226P	N	N	10	200	150	700	N	50	20	150	N	N	30	N	100
STC4226P	N	N	N	30	<5	<20	N	N	7	10	N	<5	N	N	20
STC4228P	N	N	10	70	<10	100	10	<50	50	150	N	N	N	N	100
STC4228P	N	N	N	20	<5	<20	N	N	5	10	N	<5	N	N	20
STC4230P	N	N	<10	150	15	2,000	N	<50	30	70	N	N	500	500	150
STC4230P	N	N	N	20	<5	<20	N	N	7	<10	N	<5	N	N	20
STC4232P	N	N	15	200	<10	700	N	<50	30	20	N	N	N	N	100
STC4232P	N	N	5	15	<5	20	N	<10	7	<10	N	N	N	N	15
STC4238P	N	N	<10	200	70	150	N	<50	<10	30	N	N	N	N	70
STC4238P	N	N	N	10	<5	<20	N	N	<5	<10	N	<5	N	N	10

CHAPTER F

LATITUDE 46°00'–46°30' LONGITUDE 113°30'–114°00'
 TABLE 2. PAN-CONCENTRATE SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°x2° CUSMAP QUADRANGLE, MONTANA (continued)

SAMPLE	S-W	S-Y	S-ZN	S-ZR	S-TH	AA-AU
SK993P	N	1,000	N	1,500	200	<.02
SK995P	N	700	N	1,500	500	<.02
SLV3608P	N	500	N	>2,000	N	63.00
STC1032	N	N	N	200	N	--
STC1032	N	N	N	200	N	--
STC1034P	N	N	N	50	N	.22
STC1034P	<100	300	N	>2,000	N	--
STC1036P	N	10	N	300	N	.39
STC1036P	N	1,000	N	>2,000	<200	--
STC1037P	N	<10	N	150	N	.12
STC1037P	N	1,500	N	>2,000	<200	--
STC1038P	N	10	N	70	N	.06
STC1038P	N	1,500	N	>2,000	N	--
STC1039P	N	20	N	700	N	.42
STC1039P	N	1,500	N	>2,000	N	--
STC2768P	N	N	N	500	N	<.05
STC2770P	N	20	N	700	N	<.05
STC2772P	N	150	N	2,000	N	1.67
STC3235P	N	150	N	>2,000	N	<.05
STC3239P	N	50	N	300	N	<.05
STC3239P	N	<20	N	700	N	.07
STC3241P	N	150	N	700	N	3.90
STC3249P	N	50	N	500	N	.07
STC3254P	N	20	N	1,000	N	<.05
STC3256P	N	300	N	1,500	N	<.05
STC3295P	N	700	N	>2,000	N	<.05
STC3295P	N	10	N	70	N	--
STC3297P	N	150	N	2,000	N	.22
STC3297P	N	10	N	100	N	--
STC3299P	N	150	N	>2,000	N	<.05
STC3299P	N	10	N	100	N	--
STC4222P	N	1,500	N	>2,000	N	.17
STC4222P	N	20	N	200	N	--
STC4224P	N	1,000	N	>2,000	N	.29
STC4224P	N	10	N	70	N	--
STC4226P	N	1,000	N	>2,000	<200	<.05
STC4226P	N	15	N	200	N	--
STC4228P	N	1,500	N	>2,000	N	<.05
STC4228P	N	15	N	150	N	--
STC4230P	<100	700	N	>2,000	700	.18
STC4230P	N	10	N	150	N	--
STC4232P	N	150	N	>2,000	N	.10
STC4232P	N	15	N	150	N	--
STC4238P	N	500	N	>2,000	N	.26
STC4238P	N	N	N	70	N	--

CHAPTER F

LATITUDE 46°00'–48°30' LONGITUDE 113°30'–114°00'
 TABLE 2.PAN-CONCENTRATE SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°x2°CUSMAP QUADRANGLE, MONTANA(continued)

SAMPLE	LATITUDE	LONGITUDE	S-FEX	S-MGZ	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE
STC4274P	46 20 58	113 42 27	10.00	.30	.30	>2.000	700	N	N	N	1,500	1,500	N
STC4274P	46 20 58	113 42 27	.20	.15	<.05	.070	15	N	N	N	20	150	<1.0
WHE0073P	46 4 20	113 44 34	7.00	.70	2.00	1.000	700	N	N	N	300	300	N
WHE0076P	46 5 18	113 43 55	3.00	.50	.20	.700	150	N	N	N	200	700	<2.0
WHE0079P	46 6 13	113 41 57	7.00	.50	.70	.700	300	N	N	N	150	500	N
WHE0686P	46 7 28	113 43 54	30.00	.70	2.00	2.000	1,000	N	N	N	100	200	N
WHE0688P	46 7 29	113 43 49	7.00	1.00	5.00	2.000	1,000	N	N	N	N	500	2.0
WHE0691P	46 6 59	113 42 41	20.00	.70	3.00	1.500	1,500	N	N	N	30	500	<2.0
WHE0694P	46 7 17	113 42 24	5.00	.20	3.00	1.500	700	N	N	N	<20	500	2.0
WHE0696P	46 7 15	113 41 9	7.00	.20	2.00	2.000	700	N	N	N	100	500	<2.0
WHE0699P	46 6 41	113 40 3	7.00	.50	2.00	1.500	700	N	N	N	150	500	<2.0
WHE0701P	46 6 59	113 38 35	3.00	.50	3.00	1.000	500	N	N	N	<20	500	2.0
WHE0703P	46 0 47	113 44 56	5.00	7.00	7.00	.500	2,000	N	N	N	150	700	<2.0
WHE0706P	46 0 56	113 44 59	5.00	5.00	5.00	.300	2,000	N	N	N	100	1,500	<2.0
WHE0708P	46 1 24	113 44 47	5.00	5.00	5.00	.500	1,000	N	N	N	100	1,000	<2.0
WHE0710P	46 1 22	113 44 47	5.00	5.00	5.00	.500	1,000	N	N	N	100	1,000	<2.0
WHE0712P	46 1 24	113 44 4	3.00	3.00	5.00	.500	700	N	N	N	100	1,000	<2.0
WHE0714P	46 1 26	113 44 3	3.00	3.00	3.00	.500	700	N	N	N	100	700	<2.0
WHE0752P	46 0 20	113 44 29	3.00	2.00	3.00	.300	1,000	N	N	N	50	700	<2.0
WHE0761P	46 7 18	113 38 7	7.00	.30	5.00	>2.000	1,000	N	N	N	20	500	N
WHE0828P	46 7 17	113 42 24	3.00	.50	2.00	.500	500	N	N	N	<20	1,000	3.0
WHE0830P	46 7 15	113 42 23	3.00	.20	1.50	1.000	300	N	N	N	<20	500	<2.0
WHE0832P	46 1 25	113 42 27	7.00	.70	5.00	>2.000	1,500	N	N	N	<20	500	N
WHE0834P	46 1 26	113 42 23	5.00	.70	3.00	1.500	1,000	N	N	N	<20	500	2.0
WHE0836P	46 1 10	113 42 5	15.00	.70	5.00	2.000	1,000	N	N	N	<20	300	N
WHE0839P	46 0 40	113 41 46	15.00	.70	5.00	1.500	1,000	20.0	N	N	<20	300	N
WHE0841P	46 0 33	113 41 44	10.00	1.00	5.00	2.000	1,500	N	N	N	200	300	<2.0
WHE0843P	46 0 26	113 41 50	7.00	1.00	5.00	2.000	1,500	N	N	N	N	300	2.0
WHE0845P	46 0 20	113 42 12	7.00	.70	5.00	2.000	1,000	N	N	N	30	300	<2.0
WHE0847P	46 0 22	113 42 16	5.00	2.00	5.00	1.000	700	N	N	N	20	700	3.0
WHE0849P	46 0 4	113 42 34	10.00	.70	3.00	2.000	2,000	N	N	N	<20	500	N
WHE1638P	46 1 28	113 39 46	1.50	.20	3.00	1.500	500	N	N	N	20	1,000	2.0
WHE1640P	46 1 38	113 39 52	7.00	.30	7.00	>2.000	1,500	N	N	N	20	300	N
WHE1643P	46 1 22	113 38 31	1.50	.70	3.00	.700	700	N	N	N	30	1,000	3.0
WHE1645P	46 1 17	113 38 31	1.00	.70	.15	.200	200	N	N	N	100	700	2.0
WHE1911P	46 0 10	113 38 12	1.50	.50	<.10	.200	150	N	N	N	150	500	<2.0
WHE1913P	46 0 9	113 38 6	5.00	.50	<.10	.500	150	N	N	N	50	300	<2.0
WHE2122P	46 3 42	113 40 12	30.00	.30	2.00	1.500	1,000	N	N	N	N	200	N
WHE2124P	46 3 22	113 40 13	20.00	.20	2.00	1.000	700	N	N	N	N	200	<2.0
WHE2126P	46 3 18	113 40 15	50.00	.10	1.00	.300	1,000	N	N	N	N	100	N
WHE2128P	46 3 3	113 40 32	20.00	.30	3.00	1.000	1,000	N	N	N	<20	200	<2.0
WHE2130P	46 3 6	113 40 45	50.00	.20	1.50	.700	1,000	N	N	N	N	150	N
WHE2132P	46 3 13	113 41 9	30.00	.15	2.00	.700	1,000	N	N	N	N	200	N
WHE2134P	46 3 17	113 41 12	3.00	.30	1.50	.300	500	N	N	N	30	300	2.0
WHE2136P	46 1 45	113 41 54	10.00	.30	2.00	.700	700	N	N	N	N	300	2.0

CHAPTER F

LATITUDE 46°00'–46°30' LONGITUDE 113°30'–114°00'

TABLE 2.PAN-CONCENTRATE SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°x2°CUSMAP QUADRANGLE, MONTANA(continued)

SAMPLE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V
STC4274P	N	N	<10	150	10	150	N	70	10	50	N	N	N	N	100
STC4274P	N	N	N	15	<5	20	N	N	7	<10	N	N	N	N	10
WHE0073P	N	N	N	100	<10	100	N	<50	10	20	N	<10	N	<200	70
WHE0076P	N	N	N	100	<10	50	N	<50	<10	20	N	<10	N	<200	70
WHE0079P	N	N	N	100	<10	50	N	<50	10	20	N	10	N	<200	70
WHE0686P	N	N	<10	200	15	2,000	N	100	<10	50	N	20	<20	<200	500
WHE0688P	N	N	<10	50	<10	500	N	70	<10	50	N	20	<20	300	150
WHE0691P	N	N	10	150	15	1,000	N	100	<10	70	N	20	<20	300	300
WHE0694P	N	N	N	30	<10	1,500	N	70	10	70	N	10	N	300	100
WHE0696P	N	N	<10	50	<10	1,000	N	200	<10	50	N	10	N	200	150
WHE0699P	N	N	<10	70	<10	1,000	N	70	<10	50	N	10	N	300	150
WHE0701P	N	N	N	20	<10	1,500	N	100	<10	70	N	10	N	500	70
WHE0703P	N	N	10	50	10	100	N	<50	15	70	N	15	N	N	70
WHE0706P	N	N	10	50	10	70	N	<50	10	70	N	10	N	N	70
WHE0708P	N	N	10	30	<10	70	N	<50	15	30	N	10	N	N	70
WHE0710P	N	N	10	30	10	100	N	<50	10	50	N	10	N	<200	100
WHE0712P	N	N	<10	50	<10	100	N	<50	10	50	N	10	N	<200	70
WHE0714P	N	N	<10	50	10	150	N	<50	10	30	N	10	N	<200	100
WHE0752P	N	N	<10	50	<10	70	N	<50	10	30	N	10	N	N	70
WHE0761P	N	N	<10	50	15	>2,000	N	300	10	70	N	15	70	200	200
WHE0828P	N	N	N	30	<10	700	N	<50	10	50	N	10	N	300	100
WHE0830P	N	N	N	30	<10	1,000	N	70	10	30	N	10	N	<200	70
WHE0832P	N	N	<10	70	15	>2,000	N	200	10	50	N	50	30	300	150
WHE0834P	N	N	<10	30	<10	1,000	N	100	10	50	N	20	N	300	100
WHE0836P	N	N	<10	100	15	>2,000	N	300	10	70	N	50	20	200	200
WHE0839P	N	N	<10	100	10	>2,000	15	200	10	50	N	70	20	200	200
WHE0841P	N	N	<10	100	15	>2,000	N	200	10	50	N	50	<20	<200	200
WHE0843P	N	N	<10	100	10	1,500	N	200	<10	50	N	50	30	200	150
WHE0845P	N	N	<10	70	10	>2,000	N	150	10	50	N	50	<20	200	150
WHE0847P	N	N	<10	50	<10	700	N	50	10	50	N	20	N	<200	100
WHE0849P	300	N	10	30	10	>2,000	N	50	10	70	N	50	N	<200	150
WHE1638P	N	N	<10	30	<10	2,000	N	150	15	50	N	10	N	300	150
WHE1640P	N	N	N	70	10	>2,000	N	200	10	70	N	20	70	<200	300
WHE1643P	N	N	<10	<20	<10	1,000	N	70	10	50	N	<10	N	200	100
WHE1645P	N	N	<10	20	<10	50	N	N	15	20	N	N	N	N	50
WHE1911P	N	N	N	30	N	70	N	N	<10	20	N	<10	N	N	50
WHE1913P	N	N	N	50	N	50	N	<50	<10	20	N	<10	N	N	50
WHE2122P	N	N	15	300	30	1,500	N	150	10	50	N	<10	20	N	700
WHE2124P	N	N	15	300	30	700	N	150	15	30	N	10	N	N	500
WHE2126P	N	N	20	500	50	1,500	N	50	20	20	N	<10	N	N	1,500
WHE2128P	N	N	15	200	15	1,000	N	70	<10	30	N	<10	N	<200	1,000
WHE2130P	N	N	15	300	30	500	N	50	10	20	N	10	N	N	1,000
WHE2132P	N	N	15	300	15	1,500	N	50	10	30	N	<10	N	<200	700
WHE2134P	N	N	N	70	<10	1,000	N	<50	<10	<20	N	<10	N	200	700
WHE2136P	N	N	<10	70	<10	1,500	N	70	<10	30	N	10	N	200	200

CHAPTER F

LATITUDE 46°00'–46°30' LONGITUDE 113°30'–114°00'

TABLE 2. PAN-CONCENTRATE SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°x2° CUSMAP QUADRANGLE, MONTANA (continued)

SAMPLE	S-W	S-Y	S-ZN	S-ZR	S-TH	AA-AU
STC4274P	N	500	N	>2,000	N	<.05
STC4274P	N	<10	N	70	N	--
WHE0073P	100	150	N	>2,000	N	<.02
WHE0076P	N	70	N	1,500	N	<.02
WHE0079P	N	100	N	>2,000	N	6.70
WHE0686P	N	700	N	2,000	<200	<.02
WHE0688P	N	300	N	2,000	<200	<.02
WHE0691P	N	500	N	2,000	500	<.02
WHE0694P	N	300	N	300	200	<.02
WHE0696P	N	700	N	2,000	300	<.02
WHE0699P	N	300	N	>2,000	1,000	<.02
WHE0701P	N	200	N	1,500	<200	<.02
WHE0703P	N	50	N	200	N	<.02
WHE0706P	N	50	N	150	N	<.02
WHE0708P	N	100	N	300	N	<.02
WHE0710P	N	50	N	300	N	<.02
WHE0712P	N	50	N	300	N	<.02
WHE0714P	N	50	N	500	N	<.02
WHE0752P	N	50	N	200	N	<.02
WHE0761P	N	1,000	N	200	500	.11
WHE0828P	N	70	N	300	N	<.02
WHE0830P	N	150	N	1,000	N	<.02
WHE0832P	N	700	N	1,500	200	<.02
WHE0834P	N	300	N	1,500	N	<.02
WHE0836P	N	700	N	2,000	500	<.02
WHE0839P	300	700	N	>2,000	500	3.50
WHE0841P	100	700	N	>2,000	500	.90
WHE0843P	N	700	N	1,000	200	.32
WHE0845P	N	700	N	1,000	200	.30
WHE0847P	<100	150	N	500	N	.30
WHE0849P	<100	300	N	700	500	<.02
WHE1638P	N	500	N	500	<200	8.56
WHE1640P	N	1,500	N	1,000	700	6.60
WHE1643P	N	200	N	1,000	<200	.05
WHE1645P	N	N	N	500	N	.03
WHE1911P	N	20	N	500	N	<.02
WHE1913P	N	50	N	1,500	N	2.18
WHE2122P	N	700	N	1,500	N	<.05
WHE2124P	N	500	N	700	N	.40
WHE2126P	N	200	N	1,000	<200	.10
WHE2128P	N	500	N	1,000	N	<.05
WHE2130P	N	300	N	>2,000	N	<.05
WHE2132P	N	300	N	700	200	.25
WHE2134P	N	70	N	300	N	<.05
WHE2136P	N	200	N	2,000	N	<.05

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TABLE 2.PAN-CONCENTRATE SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1° X 2° CUSMAP QUADRANGLE, MONTANA (continued)

SAMPLE	LATITUDE	LONGITUDE	S-FEX	S-MGZ	S-CAZ	S-TIZ	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE
WHE2138P	46 1 34	113 42 24	50.00	.15	1.50	1.000	2,000	N	N	N	N	150	N
WHE2140P	46 1 24	113 42 28	5.00	.30	2.00	1.000	1,000	N	N	N	N	300	2.0
WHE2144P	46 0 56	113 42 2	30.00	.20	2.00	1.000	1,500	N	N	N	N	300	N
WHE298P	46 6 28	113 44 2	5.00	.20	.70	1.000	300	N	N	N	20	500	N
WHE300P	46 6 40	113 44 9	10.00	.30	1.50	1.500	1,000	N	N	N	20	200	<2.0
WHE302P	46 6 32	113 43 13	10.00	.10	1.50	1.500	700	N	N	N	70	200	N
WHE304P	46 7 18	113 38 12	3.00	.15	1.50	.700	300	N	N	N	100	300	<2.0
WHE306P	46 6 45	113 40 30	15.00	.20	1.50	.700	300	N	N	N	20	300	N
WHE308P	46 6 39	113 39 34	1.50	.20	2.00	1.500	300	N	N	N	<20	700	<2.0
WHE310P	46 6 1	113 39 32	7.00	.20	3.00	2.000	700	N	N	N	20	500	N
WHE312P	46 6 1	113 39 32	3.00	.20	2.00	1.000	500	N	N	N	N	500	<2.0
WHE314P	46 5 27	113 39 58	2.00	.15	2.00	.500	300	N	N	N	<20	700	N
WHE316P	46 5 6	113 39 54	7.00	.50	3.00	1.500	500	N	N	N	<20	700	N
WHE318P	46 5 1	113 40 0	10.00	.20	3.00	2.000	700	N	N	N	70	500	N
WHE344P	46 0 22	113 44 19	3.00	2.00	3.00	.200	700	N	N	N	<20	1,000	<2.0
WHE354P	46 3 22	113 37 38	5.00	1.50	3.00	.200	700	N	N	N	70	500	<2.0
WHE359P	46 5 42	113 34 30	2.00	.50	2.00	.700	300	N	N	N	20	700	<2.0
WHE465P	46 2 32	113 41 25	10.00	.30	3.00	1.500	1,000	N	N	N	100	200	N
WHE473P	46 2 54	113 42 11	7.00	.50	5.00	2.000	700	N	N	N	50	700	<2.0
WHE475P	46 2 54	113 42 11	7.00	.70	5.00	1.000	700	N	N	N	20	500	N
WHE477P	46 3 0	113 42 10	7.00	.70	2.00	1.000	300	N	N	N	100	700	N
WHE479P	46 3 13	113 41 7	15.00	.50	3.00	1.500	700	N	N	N	N	500	N
WHE481P	46 3 17	113 41 11	5.00	1.00	3.00	.700	700	N	N	N	70	1,000	2.0
WHE483P	46 3 30	113 40 56	5.00	.50	3.00	1.000	700	N	N	N	30	700	2.0
WHE485P	46 3 15	113 40 40	15.00	.50	5.00	1.500	700	N	N	N	<20	700	N
WHE487P	46 3 17	113 40 39	10.00	.70	5.00	1.500	1,000	N	N	N	N	500	N
WHE489P	46 3 41	113 40 37	10.00	.50	5.00	>2.000	1,000	N	N	N	20	500	N
WHE491P	46 3 55	113 40 40	7.00	.50	1.50	.700	500	N	N	N	150	1,000	N
WHE5318P	46 4 30	113 40 9	50.00	.10	1.00	.500	1,000	N	N	N	N	500	N
WHE913P	46 2 34	113 41 28	15.00	.50	10.00	>2.000	3,000	N	N	N	<20	150	N
WIM1309P	46 17 49	113 59 26	5.00	.70	2.00	.700	700	N	N	N	30	1,000	3.0
WIM1311P	46 17 43	113 58 52	30.00	1.50	3.00	>2.000	2,000	N	N	N	N	300	<2.0
WIM1313P	46 17 44	113 58 13	7.00	.20	2.00	1.500	700	N	N	N	N	500	3.0
WIM1315P	46 17 46	113 58 11	10.00	.30	3.00	1.500	700	N	N	N	20	700	3.0
WIM1317P	46 17 9	113 56 43	7.00	1.50	5.00	1.500	2,000	N	N	N	20	700	5.0
WIM1319P	46 17 38	113 56 16	20.00	.70	2.00	>2.000	1,500	N	N	N	<20	500	3.0
WIM1321P	46 16 19	113 59 1	5.00	5.00	15.00	.700	700	N	N	N	20	500	3.0
WIM1323P	46 17 5	113 59 27	10.00	.20	3.00	1.500	1,000	N	N	N	30	1,000	3.0
WIM1325P	46 16 29	113 57 8	10.00	3.00	10.00	1.500	2,000	N	N	N	30	700	3.0
WIM1327P	46 17 41	113 53 20	5.00	2.00	5.00	1.500	1,000	N	N	N	150	300	3.0
WIM1329P	46 17 27	113 54 45	5.00	5.00	10.00	.700	1,000	N	N	N	70	500	2.0
WIM1331P	46 16 17	113 55 38	15.00	3.00	10.00	>2.000	3,000	N	N	N	50	1,000	2.0
WIM1333P	46 19 45	113 57 21	3.00	3.00	7.00	.700	700	N	N	N	150	700	2.0
WIM1335P	46 19 50	113 59 44	7.00	5.00	15.00	.700	1,500	N	N	N	20	700	3.0
WIM1338P	46 20 50	113 59 16	1.50	3.00	10.00	.300	500	N	N	N	150	300	3.0

CHAPTER F

LATITUDE 46°00'–46°30' LONGITUDE 113°30'–114°00'

TABLE 2.PAN-CONCENTRATE SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°x2°CUSMAP QUADRANGLE, MONTANA(continued)

SAMPLE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V
WHE2138P	N	N	30	500	70	2,000	N	70	20	20	N	10	N	N	1,500
WHE2140P	N	N	N	50	<10	1,500	N	70	10	20	N	10	N	200	150
WHE2144P	N	N	15	200	20	2,000	N	70	15	20	N	10	N	<200	700
WHE298P	N	N	N	20	<10	500	N	<50	10	20	N	10	N	<200	100
WHE300P	N	N	N	100	<10	700	N	50	10	20	N	15	N	<200	100
WHE302P	N	N	N	150	<10	700	N	70	10	20	N	10	N	<200	100
WHE304P	N	N	N	70	<10	700	N	70	10	20	N	10	N	<200	100
WHE306P	N	N	<10	100	<10	500	N	50	10	20	N	<10	N	<200	150
WHE308P	N	N	<10	20	<10	700	N	100	10	30	N	<10	<20	200	100
WHE310P	50	N	<10	50	10	2,000	N	100	10	50	N	15	30	200	150
WHE312P	N	N	N	20	<10	1,000	N	100	10	50	N	10	<20	200	100
WHE314P	N	N	N	30	N	700	N	50	10	50	N	15	N	300	70
WHE316P	N	N	<10	70	10	2,000	N	100	<10	30	N	10	<20	<200	150
WHE318P	N	N	<10	70	20	2,000	N	150	10	50	N	15	30	200	150
WHE344P	N	N	<10	30	20	50	N	N	15	50	N	10	N	N	50
WHE354P	N	N	30	30	30	<50	N	N	15	50	N	10	N	N	70
WHE359P	N	N	<10	20	<10	500	N	50	<10	50	N	10	N	200	70
WHE465P	N	N	N	70	10	150	N	150	10	50	N	20	20	<200	150
WHE473P	N	N	N	50	10	1,500	N	150	<10	70	N	20	20	300	150
WHE475P	N	N	10	100	10	2,000	N	200	<10	50	N	20	<20	<200	150
WHE477P	N	N	N	50	<10	1,000	N	70	10	30	N	15	N	<200	100
WHE479P	N	N	10	150	10	>2,000	N	100	10	50	N	15	20	300	200
WHE481P	N	N	10	50	<10	1,500	N	70	10	50	N	15	N	300	150
WHE483P	N	N	<10	50	<10	1,000	N	70	10	70	N	15	<20	300	100
WHE485P	N	N	10	150	10	2,000	N	150	10	50	N	20	20	300	200
WHE487P	N	N	<10	100	10	>2,000	N	150	<10	50	N	15	30	<200	150
WHE489P	N	N	<10	100	20	2,000	N	300	<10	70	N	15	70	<200	300
WHE491P	N	N	N	70	N	1,000	N	50	10	50	N	15	N	<200	100
WHE5318P	N	N	50	1,000	30	>2,000	N	50	50	20	N	<10	N	N	1,000
WHE913P	N	N	10	150	20	>2,000	N	300	10	70	N	50	50	N	200
WIM1309P	N	N	<10	20	<10	200	N	<50	10	50	N	<10	N	1,000	70
WIM1311P	N	N	10	100	7	1,500	N	50	<10	30	N	15	N	200	300
WIM1313P	N	N	15	20	<10	150	N	<50	<10	20	N	N	N	700	70
WIM1315P	N	N	<10	20	<10	300	N	<50	<10	30	N	<10	N	1,000	100
WIM1317P	N	N	10	20	<10	700	N	<50	<10	30	N	10	N	700	70
WIM1319P	N	N	<10	50	10	500	N	<50	N	30	N	15	N	700	300
WIM1321P	N	N	7	30	<10	50	N	<50	20	<20	N	15	N	<200	100
WIM1323P	N	N	<10	50	<10	1,000	N	<50	<10	30	N	<10	N	500	150
WIM1325P	N	N	30	30	20	700	N	<50	20	<20	N	15	N	500	300
WIM1327P	N	N	15	30	70	1,500	N	<50	30	<20	N	15	N	N	200
WIM1329P	N	N	15	50	<10	700	N	<50	20	20	N	15	N	300	150
WIM1331P	N	N	50	50	30	300	N	50	10	<20	N	20	N	1,000	700
WIM1333P	N	N	10	30	<10	300	N	<50	10	<20	N	15	N	N	70
WIM1335P	N	N	10	50	15	700	N	<50	30	<20	N	20	N	<200	100
WIM1338P	N	N	<10	30	<10	70	N	<50	10	20	N	10	N	N	50

CHAPTER F

LATITUDE 46°00'–46°30' LONGITUDE 113°30'–114°00'
 TABLE 2.PAN-CONCENTRATE SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°x2°CUSMAP QUADRANGLE, MONTANA(continued)

SAMPLE	S-W	S-Y	S-ZN	S-ZR	S-TH	AA-AU
WHE2138P	N	300	N	>2,000	N	<.05
WHE2140P	N	300	N	700	N	<.05
WHE2144P	N	500	N	700	N	<.05
WHE298P	N	150	N	500	N	<.02
WHE300P	N	200	N	2,000	<200	.04
WHE302P	N	300	N	1,500	N	.11
WHE304P	N	300	N	1,500	N	.14
WHE306P	N	200	N	700	N	.03
WHE308P	N	300	N	300	N	.03
WHE310P	N	700	N	>2,000	700	<.02
WHE312P	N	300	N	300	<200	<.02
WHE314P	N	150	N	1,000	N	<.02
WHE316P	N	500	N	700	200	<.02
WHE318P	N	1,000	N	700	300	.07
WHE344P	N	30	N	150	N	<.02
WHE354P	N	30	N	200	N	.75
WHE359P	N	150	N	700	N	<.02
WHE465P	N	700	N	1,500	200	<.02
WHE473P	N	700	N	2,000	200	<.02
WHE475P	N	700	N	1,500	300	<.02
WHE477P	N	300	N	2,000	<200	<.02
WHE479P	N	700	N	700	300	<.02
WHE481P	N	300	N	700	<200	<.02
WHE483P	N	300	N	2,000	<200	<.02
WHE485P	N	700	N	1,500	200	<.02
WHE487P	N	1,000	N	700	300	<.02
WHE489P	N	1,500	N	>2,000	200	.45
WHE491P	N	3,000	N	1,000	N	<.02
WHE5318P	N	500	N	>2,000	N	.02
WHE913P	N	2,000	N	2,000	1,000	<.02
WIM1309P	N	50	N	700	N	<.02
WIM1311P	N	700	N	2,000	N	<.02
WIM1313P	N	70	N	700	N	<.02
WIM1315P	N	300	N	700	N	<.02
WIM1317P	N	300	N	700	N	<.02
WIM1319P	N	500	N	1,000	N	<.02
WIM1321P	N	70	N	500	N	<.02
WIM1323P	N	700	N	1,000	N	<.02
WIM1325P	N	100	N	700	N	<.02
WIM1327P	N	100	N	150	N	<.02
WIM1329P	N	50	N	150	N	<.02
WIM1331P	N	200	N	1,500	N	<.02
WIM1333P	N	30	N	500	N	<.02
WIM1335P	N	70	N	200	N	<.02
WIM1338P	N	30	N	150	N	<.02

CHAPTER F

LATITUDE 46°00'--46°30' LONGITUDE 113°30'--114°00'

TABLE 2.PAN-CONCENTRATE SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°x2°CUSMAP QUADRANGLE, MONTANA(continued)

SAMPLE	LATITUDE	LONGITUDE	S-FEX	S-MGZ	S-CAX	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE
WIM1340P	46 22 18	113 59 40	20.00	1.50	7.00	1.500	700	N	N	N	200	300	5.0
WIM1342P	46 21 49	113 59 0	15.00	3.00	15.00	>2.000	2,000	N	N	N	100	150	<2.0
WIM1346P	46 22 1	113 57 24	1.50	1.00	7.00	.500	300	N	N	N	200	200	2.0
WIM1359P	46 22 25	113 55 4	7.00	2.00	2.00	.700	700	N	N	N	200	300	3.0
WIM1368P	46 17 37	113 54 54	7.00	2.00	5.00	1.500	700	N	N	N	150	500	3.0
WIM1370P	46 17 43	113 55 18	15.00	.70	2.00	>2.000	1,000	N	N	N	100	500	<2.0
WIM1372P	46 17 43	113 59 52	10.00	1.00	3.00	1.500	1,000	N	N	N	70	1,500	3.0
WIM1729P	46 21 0	113 55 39	5.00	3.00	7.00	1.500	1,500	N	N	N	100	200	2.0
WIM1731P	46 20 43	113 56 2	5.00	3.00	7.00	1.500	1,000	N	N	N	100	150	2.0
WIM1733P	46 21 25	113 56 0	3.00	.50	.50	.700	300	N	N	N	100	200	3.0
WIM1735P	46 21 52	113 55 49	3.00	2.00	20.00	.200	700	N	N	N	N	150	<2.0
WIM2603P	46 15 18	113 54 1	15.00	5.00	15.00	2.000	2,000	N	N	N	20	200	<2.0
WIM2605P	46 15 20	113 54 8	10.00	7.00	20.00	1.500	3,000	N	N	N	20	200	<2.0
WIM4282P	46 20 22	113 53 10	7.00	1.50	7.00	>2.000	300	N	N	N	1,500	300	N
WIM4282P	46 20 22	113 53 10	.70	.15	.05	.150	30	N	N	N	50	100	1.5
WIM4284P	46 18 42	113 53 45	5.00	3.00	10.00	2.000	700	N	N	N	150	150	N
WIM4284P	46 18 42	113 53 45	.50	.50	1.00	.100	100	N	N	N	30	300	<1.0
WIM4286P	46 18 3	113 53 46	7.00	3.00	10.00	1.500	1,000	N	N	N	100	200	N
WIM4286P	46 18 3	113 53 46	1.00	.50	1.50	.150	150	N	N	N	20	500	1.0

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LATITUDE 46°00'–48°30' LONGITUDE 113°30'–114°00'

TABLE 2.PAN-CONCENTRATE SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°x2°CUSMAP QUADRANGLE, MONTANA(continued)

SAMPLE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SM	S-SR	S-V
WIM1340P	N	N	300	50	150	1,000	20	<50	300	200	N	10	N	N	200
WIM1342P	N	N	150	150	100	1,500	N	<50	70	20	N	20	N	<200	300
WIM1346P	N	N	<10	30	N	150	N	<50	10	<20	N	<10	N	<200	70
WIM1359P	N	N	15	70	20	100	<10	<50	50	20	N	10	N	<200	150
WIM1368P	N	N	15	100	20	300	N	<50	20	<20	N	10	N	300	200
WIM1370P	N	N	10	150	15	700	N	<50	10	<20	N	15	N	300	500
WIM1372P	N	N	10	100	<10	200	N	<50	10	20	N	10	N	700	150
WIM1729P	N	N	15	50	15	700	N	<50	20	20	N	15	N	N	200
WIM1731P	N	N	15	70	50	700	N	<50	30	<20	N	15	N	<200	200
WIM1733P	N	N	15	100	10	50	<10	<50	30	20	N	10	N	<200	100
WIM1735P	N	N	20	50	<10	70	N	N	50	20	N	10	N	N	50
WIM2603P	N	N	50	100	50	100	N	<50	15	<20	N	70	N	700	700
WIM2605P	N	N	70	100	50	70	N	<50	20	20	N	100	N	1,000	500
WIM282P	N	N	<10	300	10	>2,000	N	50	<10	30	N	N	N	N	150
WIM282P	N	N	N	15	<5	20	N	N	5	N	N	5	N	N	15
WIM4284P	N	N	15	150	10	2,000	N	<50	20	20	N	15	N	N	100
WIM4284P	N	N	N	<10	5	20	N	N	<5	<10	N	N	N	300	15
WIM4286P	N	N	15	50	10	300	N	<50	30	50	N	15	N	N	150
WIM4286P	N	N	N	20	7	30	N	N	<5	15	N	5	N	500	20

CHAPTER F

LATITUDE 46°00'–46°30' LONGITUDE 113°30'–114°00'

TABLE 2. PAN-CONCENTRATE SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°x2° CUSMAP QUADRANGLE, MONTANA (continued)

SAMPLE	S-W	S-Y	S-ZN	S-ZR	S-TH	AA-AU
WIM1340P	N	100	N	200	N	<.02
WIM1342P	N	150	N	300	N	<.02
WIM1346P	N	<20	N	300	N	<.02
WIM1359P	N	70	N	300	N	<.02
WIM1368P	N	50	N	700	N	<.05
WIM1370P	N	100	N	>2,000	N	<.05
WIM1372P	N	50	N	700	N	<.05
WIM1729P	N	50	N	200	N	<.02
WIM1731P	N	50	N	300	N	<.02
WIM1733P	N	50	N	150	N	<.02
WIM1735P	N	70	N	150	N	1.19
WIM2603P	N	100	N	150	N	<.05
WIM2605P	N	70	N	500	N	.13
WIM4282P	N	1,000	N	>2,000	N	<.05
WIM4282P	N	20	N	70	N	--
WIM4284P	200	150	N	700	<200	<.05
WIM4284P	N	N	N	100	N	--
WIM4286P	N	70	N	1,500	N	<.05
WIM4286P	N	15	N	300	N	--

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LATITUDE 46°00'-46°30' LONGITUDE 113°30'-114 00'

TABLE 3. STREAM-SEDIMENT SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°X2° CUSMAP QUADRANGLE, MONTANA (contd)

SAMPLE	LATITUDE	LONGITUDE	S-FEZ	S-MGX	S-CAZ	S-TIX	S-MN	S-A6	S-AS	S-AU	S-B	S-BA	S-BE	S-BI
80386B	46 19 0	113 46 34	3.00	3.00	1.50	.50	1,500	N	N	N	150	500	3.0	N
80387B	46 22 19	113 46 32	3.00	3.00	1.50	.30	1,000	N	N	N	150	300	2.0	N
80388B	46 2 26	113 46 41	2.00	2.00	1.00	.30	500	N	N	N	200	300	3.0	N
80567B	46 22 40	113 53 35	2.00	1.00	.30	.20	300	N	N	N	200	500	2.0	N
80571B	46 19 26	113 53 38	2.00	1.00	.50	.30	300	N	N	N	150	500	2.0	N
80DL30B	46 12 37	113 53 24	1.00	.50	.50	.20	150	N	N	N	200	300	2.0	N
80DL38B	46 22 45	113 46 28	2.00	.30	.50	.20	500	N	N	N	50	500	2.0	N
80DL39B	46 22 46	113 46 28	2.00	.50	1.50	.20	500	N	N	N	20	500	2.0	N
80DL44B	46 25 46	113 46 9	3.00	.70	2.00	.30	1,000	N	N	N	70	500	2.0	N
80DL83B	46 6 13	113 54 3	2.00	1.00	1.00	.30	200	N	N	N	50	200	2.0	N
ALD0530S	46 27 0	113 35 42	3.00	.30	.50	.30	1,500	N	N	N	100	700	3.0	N
ALD0532S	46 28 0	113 35 37	2.00	.30	.30	.30	500	N	N	N	50	700	7.0	N
ALD0534S	46 26 55	113 35 40	2.00	.30	.50	.30	300	N	N	N	100	1,000	5.0	N
ALD0536S	46 26 23	113 36 9	3.00	.50	.50	.20	500	N	N	N	150	700	7.0	N
ALD0538S	46 25 51	113 36 58	3.00	.50	.30	.30	500	N	N	N	150	700	7.0	N
ALD1212S	46 27 15	113 36 23	3.00	.70	.70	.20	700	N	N	N	150	700	2.0	N
ALD1213S	46 27 15	113 36 19	1.00	.30	.70	.15	700	N	N	N	70	300	7.0	N
ALD1223S	46 24 6	113 36 13	2.00	.50	.70	.15	500	N	N	N	100	500	7.0	N
ALD1225S	46 24 5	113 36 9	3.00	.70	.70	.20	1,000	N	N	N	200	1,000	7.0	N
ALD1607S	46 29 26	113 37 6	2.00	.50	.20	.20	300	N	N	N	100	700	3.0	N
ALD1609S	46 29 34	113 36 42	2.00	.30	.20	.20	300	N	N	N	70	1,000	3.0	N
ALD1611S	46 29 34	113 36 40	2.00	.50	.70	.20	500	N	N	N	100	1,000	5.0	N
ALD1613S	46 29 54	113 36 40	2.00	.20	.15	.15	1,500	N	N	N	20	500	7.0	N
ALD1615S	46 29 55	113 36 44	2.00	.50	.30	.20	300	N	N	N	70	1,000	2.0	N
ALD1832S	46 28 26	113 35 54	5.00	.70	.70	.30	2,000	N	N	N	300	2,000	7.0	N
ALD1833S	46 28 26	113 35 50	5.00	.50	1.00	.70	5,000	N	N	N	200	2,000	3.0	N
ALD1835S	46 28 50	113 36 5	1.50	.50	.70	.15	700	N	N	N	70	500	2.0	N
ALD1837S	46 29 1	113 36 19	3.00	.70	.70	.20	500	N	N	N	150	700	3.0	N
ALD2386S	46 22 45	113 32 35	3.00	1.00	1.50	.20	3,000	N	N	N	100	1,500	3.0	N
ALD2390S	46 23 20	113 30 47	5.00	1.50	2.00	.30	>5,000	N	N	N	150	2,000	3.0	N
ALD2392S	46 22 41	113 30 40	3.00	1.00	1.50	.30	700	N	N	N	70	1,500	5.0	N
ALD2394S	46 25 18	113 32 20	3.00	1.50	3.00	.30	1,000	N	N	N	50	1,000	2.0	N
ALD2396S	46 24 43	113 32 40	7.00	1.50	3.00	.30	1,500	N	N	N	70	1,000	2.0	N
ALD2398S	46 24 47	113 33 35	5.00	1.50	2.00	.30	1,000	N	N	N	70	1,000	2.0	N
ALD2744S	46 29 52	113 30 14	1.50	.30	.30	.30	500	N	N	N	100	700	2.0	N
ALD2746S	46 29 14	113 30 7	1.50	.30	.20	.30	500	N	N	N	200	700	2.0	N
ALD2748S	46 28 13	113 30 40	.70	.20	.30	.15	300	N	N	N	150	500	2.0	N
ALD2750S	46 27 25	113 30 1	2.00	.70	.50	.30	500	N	N	N	200	700	2.0	N
ALD2754S	46 25 38	113 30 5	7.00	1.50	3.00	.50	1,000	N	N	N	70	700	2.0	N
ALD2756S	46 25 31	113 30 16	7.00	1.50	2.00	.30	700	N	N	N	100	1,500	3.0	N
ALD2775S	46 24 11	113 32 40	10.00	1.50	3.00	.30	1,000	N	N	N	70	500	1.5	N
ALD3149S	46 29 52	113 30 14	1.50	.30	.20	.20	300	N	N	N	10	300	1.5	N
ALD3151S	46 29 14	113 30 8	1.50	.30	.30	.30	300	N	N	N	10	300	1.5	N
ALD3223S	46 24 48	113 30 3	2.00	.70	.50	.30	500	N	N	N	200	1,000	3.0	N
ALD3225S	46 24 13	113 30 21	5.00	1.50	3.00	.30	1,000	N	N	N	50	700	1.5	N

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LATITUDE 46°00'-46°30' LONGITUDE 113°30'-114 00'

TABLE 3. STREAM-SEDIMENT SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°X2° CUSMAP QUADRANGLE,MONTANA (cont)

SAMPLE	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN
80386B	N	10	70	50	50	N	<20	20	30	N	10	N	<100	70	N	100	N
80387B	N	7	30	20	50	N	<20	15	30	N	7	N	N	70	N	30	N
80388B	N	10	30	30	50	N	<20	30	20	N	7	N	N	70	N	50	N
80567B	N	5	50	5	30	N	N	10	10	N	5	N	<100	30	N	30	N
80571B	N	5	50	15	30	N	N	10	10	N	5	N	100	50	N	30	N
80DL30B	N	5	10	<5	20	N	N	7	<10	N	5	N	<100	30	N	20	N
80DL38B	N	5	15	<5	20	N	N	5	20	N	5	N	100	30	N	15	N
80DL39B	N	7	15	<5	50	N	N	7	20	N	7	N	200	30	N	20	N
80DL44B	N	7	30	<5	20	N	<20	10	30	N	7	N	300	70	N	30	N
80DL83B	N	5	15	<5	20	N	N	7	<10	N	5	N	<100	30	N	20	N
AL00530S	N	7	50	15	50	N	<20	30	30	N	10	N	100	70	N	70	N
AL00532S	N	5	20	10	30	N	N	30	30	N	7	N	100	30	N	30	N
AL00534S	N	5	20	5	30	N	N	15	20	N	7	N	100	30	N	15	N
AL00536S	N	7	50	20	50	N	<20	30	20	N	10	N	<100	50	N	70	N
AL00538S	N	7	70	15	50	N	N	30	20	N	10	N	<100	50	N	30	N
AL01212S	N	7	50	50	30	N	N	20	20	N	10	N	100	50	N	50	N
AL01213S	N	N	20	10	30	N	N	10	15	N	7	N	100	30	N	50	70
AL01223S	N	7	15	15	30	N	<20	10	20	N	7	N	<100	30	N	70	300
AL01225S	N	7	50	20	30	N	<20	20	30	N	10	N	<100	70	N	70	N
AL01607S	N	7	30	20	30	N	<20	20	30	N	7	N	N	30	N	50	N
AL01609S	N	7	50	20	30	N	<20	15	20	N	10	N	N	30	N	30	N
AL01611S	N	7	30	20	50	N	<20	15	20	N	10	N	N	50	N	30	N
AL01613S	N	50	20	200	30	30	N	7	50	N	7	N	<100	30	N	50	N
AL01615S	N	5	50	15	30	N	<20	15	20	N	10	N	N	30	N	30	N
AL01832S	N	7	70	30	30	N	<20	30	30	N	15	N	100	70	N	100	N
AL01833S	N	7	70	50	30	N	<20	20	30	N	15	N	200	100	N	30	N
AL01835S	N	5	15	30	30	N	<20	15	15	N	7	N	N	30	N	30	N
AL01837S	N	7	70	50	30	N	<20	20	20	N	10	N	N	50	N	70	N
AL02386S	N	10	70	20	30	N	<20	20	20	N	7	N	300	100	N	30	N
AL02390S	N	20	70	30	30	N	<20	30	30	N	10	N	300	100	N	30	N
AL02392S	N	7	150	30	50	N	<20	50	30	N	10	N	300	70	N	30	N
AL02394S	N	10	30	15	30	N	<20	30	20	N	10	N	500	70	N	30	N
AL02396S	N	15	150	15	30	N	<20	50	30	N	10	N	500	150	N	30	N
AL02398S	N	10	70	15	30	N	<20	30	20	N	10	N	500	100	N	30	N
AL02744S	N	7	100	20	30	5	<20	10	30	N	7	N	<100	50	N	50	N
AL02746S	N	7	30	7	70	N	N	10	30	N	7	N	<100	50	N	30	N
AL02748S	N	5	10	5	30	N	N	5	30	N	5	N	<100	20	N	15	N
AL02750S	N	7	30	20	50	N	<20	10	30	N	7	N	N	30	N	30	N
AL02754S	N	15	30	15	100	N	<20	50	30	N	10	N	300	300	N	70	N
AL02756S	N	15	30	15	30	N	<20	50	30	N	10	N	500	300	N	50	N
AL02775S	N	20	300	20	50	N	<20	50	30	N	30	N	500	500	N	50	N
AL03149S	N	5	20	15	20	15	N	5	15	N	5	N	N	20	N	50	N
AL03151S	N	5	30	15	20	<5	<20	5	20	N	<5	N	N	30	N	30	N
AL03223S	N	7	100	20	50	N	<20	20	30	N	7	N	<100	70	<50	30	N
AL03225S	N	10	150	15	20	N	<20	20	20	N	10	N	300	150	N	20	N

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LATITUDE 46°00'-46°30' LONGITUDE 113°30'-114 00'
TABLE 3. STREAM-SEDIMENT SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°X2° CUSMAP QUADRANGLE,MONTANA (cont.)

SAMPLE	S-ZR	S-TH	AA-CU	AA-PB	AA-ZN	AA-AG	AA-CD	AA-BI	AA-SB
803868	300	N	--	--	--	--	--	--	--
803878	200	N	--	--	--	--	--	--	--
803888	200	N	--	--	--	--	--	--	--
805678	300	N	--	--	--	--	--	--	--
805718	300	N	--	--	--	--	--	--	--
80DL308	700	N	--	--	--	--	--	--	--
80DL388	150	N	--	--	--	--	--	--	--
80DL398	200	N	--	--	--	--	--	--	--
80DL448	200	N	--	--	--	--	--	--	--
80DL838	200	N	--	--	--	--	--	--	--
ALD0530S	300	N	2.00	1.8	1.2	.02	.04	<.5	<1.0
ALD0532S	500	N	1.30	.5	.6	<.02	.03	<.5	<1.0
ALD0534S	500	N	.10	<.5	<.5	<.02	.03	<.5	<1.0
ALD0536S	500	N	.80	.7	.7	<.02	.03	<.5	<1.0
ALD0538S	300	N	.40	<.5	1.1	<.02	.04	<.5	<1.0
ALD1212S	200	N	3.70	1.9	1.1	<.02	.04	--	<1.0
ALD1213S	50	N	.80	2.1	.8	<.02	.04	<.5	<1.0
ALD1223S	150	N	.80	1.0	.9	<.02	.04	<.5	<1.0
ALD1225S	200	N	.60	.8	<.5	<.02	<.02	<.5	<1.0
ALD1607S	150	N	1.80	1.0	2.2	<.02	.05	--	<1.0
ALD1609S	200	N	1.00	.8	1.3	<.02	.04	--	<1.0
ALD1611S	200	N	1.80	1.2	2.0	<.02	.04	--	<1.0
ALD1613S	100	N	24.00	1.2	25.0	.06	.80	--	<1.0
ALD1615S	200	N	1.50	1.0	1.9	<.02	.05	--	<1.0
ALD1832S	300	N	1.10	1.8	1.3	<.02	.05	<.5	<1.0
ALD1833S	300	N	1.00	1.2	3.0	<.02	.05	<.5	<1.0
ALD1835S	100	N	2.50	1.0	.5	<.02	.03	<.5	<1.0
ALD1837S	200	N	2.30	.8	.5	<.02	.02	<.5	<1.0
ALD2386S	300	N	2.00	2.0	4.0	<.05	.05	N	N
ALD2390S	150	N	9.00	7.0	21.0	.05	.20	N	N
ALD2392S	300	N	13.00	8.0	16.0	.07	.22	N	N
ALD2394S	300	N	3.00	3.0	6.0	<.05	.05	N	N
ALD2396S	700	N	4.00	3.0	10.0	<.05	.09	1.0	N
ALD2398S	500	N	5.00	5.0	10.0	<.05	.19	N	N
ALD2744S	1,000	N	9.00	5.0	4.0	.14	.47	N	N
ALD2746S	500	N	3.00	3.0	3.0	<.05	.13	N	N
ALD2748S	300	N	2.00	2.0	2.0	.07	.13	N	N
ALD2750S	500	N	6.00	3.0	4.0	.09	.18	N	N
ALD2754S	>1,000	N	3.00	3.0	3.0	<.05	.13	N	1.0
ALD2756S	500	N	4.00	5.0	6.0	<.05	.16	N	N
ALD2775S	700	N	5.00	6.0	5.0	<.05	.16	N	1.0
ALD3149S	1,000	N	3.00	2.0	3.0	<.05	.20	1.0	N
ALD3151S	>1,000	N	6.00	4.0	4.0	.09	.50	1.0	N
ALD3223S	500	N	8.00	8.0	22.0	.13	.42	N	N
ALD3225S	300	N	5.00	4.0	8.0	<.05	.28	2.0	N

CHAPTER F

LATITUDE 46°00'-46°30' LONGITUDE 113°30'-114 00'

TABLE 3. STREAM-SEDIMENT SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°X2° CUSMAP QUADRANGLE,MONTANA (cont)

SAMPLE	LATITUDE	LONGITUDE	S-FEX	S-MGX	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE	S-BI
ALD3227S	46 24 8	113 30 22	7.00	1.50	3.00	.50	700	N	N	N	70	700	1.5	N
ALD3228S	46 24 13	113 30 9	1.50	.50	.50	.30	700	N	N	N	100	700	2.0	N
ALD4205S	46 24 32	113 31 6	3.00	1.50	1.50	.20	1,000	N	N	N	20	700	1.0	N
ALD4207S	46 25 56	113 33 6	3.00	1.50	2.00	.30	700	N	N	N	15	700	1.0	N
ALD4209S	46 25 59	113 33 4	3.00	1.50	1.50	.30	500	N	N	N	15	500	1.0	N
ALD4211S	46 27 0	113 33 7	2.00	1.00	1.50	.30	500	N	N	N	15	500	1.0	N
ALD4213S	46 26 5	113 30 58	3.00	1.00	1.50	.30	700	N	N	N	50	500	1.0	N
ALD4215S	46 23 46	113 34 59	3.00	.70	1.50	.30	1,000	N	N	N	50	700	1.5	N
BAL2207S	46 3 57	113 53 16	3.00	2.00	7.00	.50	1,000	N	N	N	15	200	3.0	N
BAL2209S	46 3 20	113 53 19	5.00	1.50	2.00	.70	1,000	N	N	N	50	500	3.0	N
BAL2211S	46 3 17	113 53 19	3.00	1.00	2.00	.50	1,000	N	N	N	30	700	5.0	N
BAL2213S	46 3 27	113 54 11	5.00	1.50	3.00	.70	1,500	N	N	N	30	700	5.0	N
BAL2215S	46 3 37	113 55 53	3.00	1.50	3.00	.30	500	N	N	N	30	500	3.0	N
BAL2217S	46 3 49	113 56 53	3.00	1.50	3.00	.50	700	N	N	N	50	500	3.0	N
BAL2219S	46 3 51	113 59 0	3.00	1.00	3.00	.50	700	N	N	N	50	700	2.0	N
BAL2221S	46 3 49	113 58 3	3.00	1.50	3.00	.30	700	N	N	N	30	1,500	3.0	N
BAL2223S	46 4 38	113 58 16	3.00	.50	.70	.30	500	N	N	N	30	1,500	5.0	N
BAL2225S	46 5 54	113 59 11	3.00	1.00	1.50	.30	1,000	N	N	N	100	1,000	5.0	N
BAL2227S	46 5 20	113 59 4	3.00	1.00	1.50	.30	700	N	N	N	50	1,000	3.0	N
BAL2229S	46 6 24	113 59 58	3.00	1.00	2.00	.30	700	N	N	N	20	700	3.0	N
BAL2231S	46 1 18	113 53 11	3.00	.70	1.50	.30	1,000	N	N	N	30	1,500	3.0	N
BAL2233S	46 1 14	113 52 52	3.00	.70	1.50	.50	1,000	N	N	N	70	1,500	5.0	N
BAL2236S	46 1 15	113 52 44	3.00	.70	1.50	.30	700	N	N	N	50	1,000	2.0	N
BAL2238S	46 1 16	113 52 31	5.00	1.50	3.00	.70	700	N	N	N	70	700	2.0	N
BAL2240S	46 0 13	113 53 49	3.00	.70	1.50	.30	1,000	N	N	N	20	1,000	5.0	N
BAL2242S	46 0 14	113 53 51	1.50	.50	1.50	.30	300	N	N	N	15	1,500	2.0	N
BAL2244S	46 0 33	113 59 18	3.00	.70	2.00	.30	700	N	N	N	20	1,500	2.0	N
BAL2246S	46 6 38	113 55 15	2.00	1.50	3.00	.30	500	N	N	N	70	500	7.0	N
BAL2248S	46 6 38	113 55 13	2.00	1.50	3.00	.30	500	N	N	N	70	300	7.0	N
BAL2250S	46 6 45	113 55 20	2.00	1.50	2.00	.30	500	N	N	N	100	300	2.0	N
BAL2252S	46 5 49	113 54 42	2.00	.70	1.50	.30	1,000	N	N	N	150	300	7.0	N
BAL2254S	46 5 55	113 55 31	3.00	1.00	3.00	.30	1,000	N	N	N	70	300	7.0	N
BAL2258S	46 6 0	113 52 32	1.00	.50	.70	.30	150	.5	N	N	100	500	1.5	N
BAL2276S	46 0 15	113 54 33	3.00	.70	1.50	.30	500	1.0	N	N	10	1,500	3.0	N
BAL2278S	46 0 8	113 56 36	3.00	.70	2.00	.30	500	1.0	N	N	10	1,500	2.0	N
BAL2280S	46 0 9	113 56 40	1.50	.30	2.00	.30	300	N	N	N	<10	1,000	3.0	N
BAL2282S	46 0 1	113 57 47	3.00	.70	1.50	.50	1,000	N	N	N	10	1,000	2.0	N
BAL2284S	46 1 28	113 58 53	3.00	.70	2.00	.30	700	N	N	N	10	1,000	2.0	N
BAL2286S	46 1 59	113 59 32	5.00	1.50	3.00	.30	1,000	N	N	N	15	700	2.0	N
BAL2637S	46 6 58	113 59 1	2.00	.70	1.50	.30	1,000	<.5	N	N	50	700	7.0	N
BAL2639S	46 6 54	113 59 54	3.00	1.00	1.50	.50	500	N	N	N	70	500	3.0	N
BAL2642S	46 1 31	113 53 32	3.00	.70	2.00	.50	700	N	N	N	10	1,000	3.0	N
BAL2644S	46 1 47	113 54 22	3.00	.70	2.00	.50	700	<.5	N	N	20	1,500	3.0	N
BAL2646S	46 2 34	113 54 54	3.00	.70	1.50	.30	1,000	N	N	N	10	500	5.0	N
BAL2648S	46 2 33	113 55 19	3.00	1.50	5.00	.30	1,500	N	N	N	10	500	3.0	N

CHAPTER F

LATITUDE 46°00'-46°30' LONGITUDE 113°30'-114 00"

TABLE 3. STREAM-SEDIMENT SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°X2° CUSMAP QUADRANGLE,MONTANA (cont)

SAMPLE	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN
AL03227S	N	15	150	15	20	N	<20	30	20	N	10	N	300	200	N	30	N
AL03228S	N	7	20	15	30	N	<20	15	30	N	5	N	N	50	N	20	N
AL04205S	N	15	150	15	30	N	N	30	20	N	10	N	300	100	N	20	N
AL04207S	N	15	100	20	20	N	N	30	20	N	10	N	300	100	N	15	N
AL04209S	N	10	20	7	30	N	N	15	20	N	10	N	300	50	N	30	N
AL04211S	N	10	20	5	30	N	N	15	20	N	10	N	300	50	N	20	N
AL04213S	N	15	100	10	20	N	<20	30	20	N	10	N	300	70	N	30	N
AL04215S	N	10	50	10	30	N	<20	20	20	N	10	N	200	50	N	30	N
BAL2207S	N	10	70	10	150	N	<20	10	15	N	10	N	200	100	N	50	N
BAL2209S	N	15	20	10	50	N	<20	15	30	N	20	N	500	100	N	50	N
BAL2211S	N	7	15	20	30	N	<20	7	30	N	7	N	300	70	N	30	N
BAL2213S	N	15	50	20	150	N	<20	7	30	N	20	N	500	150	N	70	N
BAL2215S	N	7	15	70	20	N	<20	10	20	N	10	N	150	50	N	50	N
BAL2217S	N	7	20	10	200	N	<20	10	20	N	10	N	300	70	N	100	N
BAL2219S	N	10	30	10	50	N	<20	7	20	N	10	N	300	70	N	100	N
BAL2221S	N	10	20	15	100	N	<20	10	30	N	7	N	500	70	N	30	N
BAL2223S	N	5	15	15	150	N	<20	7	30	N	5	N	100	30	N	70	N
BAL2225S	N	10	20	50	50	N	<20	30	30	N	10	N	300	70	N	50	N
BAL2227S	N	10	30	20	70	N	<20	20	30	N	10	N	200	70	N	50	N
BAL2229S	N	10	20	10	500	N	<20	10	30	N	7	N	300	70	N	70	N
BAL2231S	N	7	30	10	200	N	<20	15	50	N	7	N	700	50	N	70	N
BAL2233S	N	7	20	15	150	N	<20	15	30	N	7	N	500	70	N	50	N
BAL2236S	N	7	20	7	1,000	N	N	10	20	N	7	N	500	70	N	200	N
BAL2238S	N	7	70	15	30	N	<20	15	20	N	7	N	150	70	N	30	N
BAL2240S	N	7	50	20	70	5	<20	20	20	N	70	N	500	50	N	100	N
BAL2242S	N	5	10	7	70	5	<20	10	20	N	5	N	500	20	N	20	N
BAL2244S	N	7	30	15	500	5	<20	10	20	N	5	N	500	50	N	70	N
BAL2246S	N	7	15	30	30	5	<20	15	20	N	5	N	N	50	N	30	N
BAL2248S	N	7	20	30	50	5	<20	10	20	N	7	N	N	30	N	50	N
BAL2250S	N	10	20	20	70	5	<20	10	20	N	7	N	N	30	N	30	N
BAL2252S	N	7	30	15	20	N	<20	7	20	N	7	N	<100	50	N	30	N
BAL2254S	N	7	70	15	30	N	<20	7	20	N	7	N	<100	50	N	50	N
BAL2258S	N	<5	20	10	30	N	<20	5	30	N	5	N	<100	30	N	20	N
BAL2276S	N	7	70	10	200	N	<20	7	30	N	7	N	500	50	N	30	N
BAL2278S	N	7	50	100	300	N	<20	7	150	N	5	15	700	50	N	50	N
BAL2280S	N	5	15	5	500	N	<20	<5	30	N	<5	N	500	30	N	30	N
BAL2282S	N	7	15	15	700	N	<20	5	30	N	7	N	500	70	N	100	N
BAL2284S	N	7	20	15	700	N	<20	5	30	N	7	N	500	70	N	100	N
BAL2286S	N	15	100	15	100	N	<20	15	30	N	10	N	700	100	N	30	N
BAL2637S	N	7	30	30	150	N	<20	15	30	N	7	N	300	30	N	70	N
BAL2639S	N	7	15	10	30	N	<20	10	20	N	5	N	N	30	N	50	N
BAL2642S	N	7	20	10	300	N	<20	10	30	N	7	N	500	50	N	100	N
BAL2644S	N	7	30	10	300	N	<20	15	30	N	7	N	500	50	N	30	N
BAL2646S	N	7	70	10	150	N	<20	15	30	N	7	N	100	50	N	30	N
BAL2648S	N	7	20	10	1,000	N	N	15	30	N	7	N	300	30	N	70	N

CHAPTER F

TABLE 3. STREAM--SEDIMENT SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°X2° CUSMAP QUADRANGLE, MONTANA (cont.)

SAMPLE	S-ZR	S-TH	AA-CU	AA-PB	AA-ZN	AA-AG	AA-CD	AA-BI	AA-SB
ALD3227S	100	N	5.00	4.0	10.0	<.05	.36	1.0	N
ALD3228S	200	N	8.00	8.0	16.0	.06	.48	1.0	N
ALD4205S	300	N	7.00	3.0	20.0	.05	.05	1.0	1.0
ALD4207S	300	N	12.00	4.0	25.0	.05	.05	N	1.0
ALD4209S	300	N	3.00	3.0	11.0	<.05	.05	N	N
ALD4211S	300	N	3.00	2.0	10.0	<.05	.05	N	1.0
ALD4213S	300	N	5.00	4.0	8.0	<.05	<.05	N	N
ALD4215S	300	N	6.00	4.0	14.0	<.05	N	N	1.0
BAL2207S	300	N	3.00	2.0	4.0	N	.45	N	N
BAL2209S	500	N	2.00	3.0	8.0	N	.45	N	N
BAL2211S	200	N	20.00	4.0	9.0	<.05	.33	N	N
BAL2213S	700	N	3.00	4.0	5.0	N	.36	N	N
BAL2215S	300	N	1.00	2.0	3.0	N	.36	N	N
BAL2217S	300	N	2.00	3.0	5.0	N	.40	N	N
BAL2219S	700	N	1.00	3.0	5.0	N	.40	N	N
BAL2221S	300	N	2.00	4.0	7.0	N	.40	N	N
BAL2223S	200	N	5.00	5.0	6.0	N	.45	N	N
BAL2225S	300	N	21.00	6.0	7.0	.07	.50	N	N
BAL2227S	300	N	10.00	6.0	8.0	<.05	.50	N	N
BAL2229S	300	N	3.00	4.0	10.0	N	.50	N	N
BAL2231S	300	N	2.00	5.0	9.0	<.05	.50	1.0	1.0
BAL2233S	300	N	2.00	6.0	10.0	N	.50	1.0	N
BAL2236S	300	N	2.00	4.0	8.0	N	.55	N	2.0
BAL2238S	200	N	1.00	3.0	5.0	N	.45	N	N
BAL2240S	300	N	11.00	5.0	17.0	N	.60	N	N
BAL2242S	200	N	3.00	3.0	6.0	N	.50	N	N
BAL2244S	200	N	3.00	5.0	5.0	N	.50	N	N
BAL2246S	200	N	17.00	2.0	6.0	.17	.10	1.0	N
BAL2248S	300	N	18.00	2.0	6.0	.14	.11	1.0	N
BAL2250S	300	N	7.00	1.0	3.0	<.05	.06	N	1.0
BAL2252S	300	N	6.00	6.0	11.0	.09	.21	1.0	N
BAL2254S	300	N	9.00	5.0	17.0	.19	.30	1.0	1.0
BAL2258S	300	N	--	--	--	--	--	--	--
BAL2276S	300	N	2.00	3.0	4.0	<.05	.07	1.0	N
BAL2278S	200	N	2.00	62.0	4.0	.38	.06	N	N
BAL2280S	500	N	1.00	2.0	3.0	.19	<.05	N	N
BAL2282S	300	N	3.00	5.0	5.0	.09	.07	N	1.0
BAL2284S	300	N	4.00	7.0	8.0	.08	.11	N	N
BAL2286S	200	N	3.00	2.0	27.0	<.05	.06	N	1.0
BAL2637S	150	N	20.00	10.0	17.0	.31	.34	1.0	1.0
BAL2639S	300	N	5.00	2.0	4.0	<.05	.19	1.0	1.0
BAL2642S	500	N	3.00	6.0	9.0	.15	.17	N	N
BAL2644S	500	N	3.00	6.0	12.0	.13	.22	1.0	N
BAL2646S	300	N	4.00	7.0	12.0	.08	.25	1.0	N
BAL2648S	200	<100	4.00	4.0	12.0	.10	.20	N	N

CHAPTER F

LATITUDE 46°00'-46°30' LONGITUDE 113°30'-114 00'

TABLE 3. STREAM-SEDIMENT SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°X2° CUSMAP QUADRANGLE,MONTANA (contd)

SAMPLE	LATITUDE	LONGITUDE	S-FEZ	S-MGZ	S-CAZ	S-TIZ	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE	S-BI
BAL2650S	46 3 4	113 56 33	3.00	2.00	5.00	.30	700	N	N	N	10	500	2.0	N
BAL2652S	46 3 8	113 57 33	3.00	1.50	3.00	.30	700	N	N	N	10	1,000	2.0	N
BAL2654S	46 3 31	113 58 13	5.00	1.00	2.00	.50	700	N	N	N	10	700	2.0	N
BAL2659S	46 6 39	113 56 39	3.00	.30	.30	.50	300	N	N	N	50	700	3.0	N
BAL2661S	46 6 37	113 56 46	2.00	.50	.50	.30	500	N	N	N	30	1,000	3.0	N
BAL4300S	46 7 25	113 52 55	3.00	3.00	3.00	.30	700	N	N	N	20	200	1.5	N
BAL4302S	46 4 18	113 54 58	2.00	1.50	3.00	.50	500	N	N	N	<10	150	2.0	N
BAL4304S	46 2 45	113 52 53	.50	.05	.50	.07	1,500	N	N	N	10	150	3.0	N
BRF1350S	46 18 26	113 49 55	3.00	2.00	.70	.30	700	N	N	N	300	300	1.5	N
BRF1352S	46 18 38	113 51 15	3.00	1.50	1.50	.20	500	N	N	N	300	300	1.5	N
BRF1354S	46 19 27	113 51 4	3.00	1.50	1.00	.20	500	N	N	N	300	500	2.0	N
BRF2288S	46 17 43	113 48 20	2.00	.70	.70	.30	500	N	N	N	100	300	2.0	N
BRF2290S	46 18 29	113 48 8	3.00	1.00	.70	.30	1,500	N	N	N	150	1,000	2.0	N
BRF2292S	46 19 17	113 48 20	3.00	1.00	1.00	1.00	700	N	N	N	100	300	1.5	N
BRF2294S	46 19 15	113 48 22	1.50	.70	.50	.30	200	N	N	N	150	300	1.5	N
BRF2295S	46 21 0	113 48 43	3.00	1.00	.50	.50	1,000	N	N	N	70	700	2.0	N
BRF2296S	46 20 35	113 49 4	2.00	.70	.30	.30	300	N	N	N	30	500	2.0	N
BRF2298S	46 20 58	113 49 30	1.50	.30	1.00	.30	500	N	N	N	30	500	2.0	N
BRF2299S	46 22 2	113 50 4	1.50	.50	.30	.20	150	N	N	N	50	300	2.0	N
BRF2301S	46 22 25	113 50 10	1.00	.30	.20	.20	150	N	N	N	50	300	2.0	N
BRF2687S	46 15 47	113 50 50	2.00	1.50	.70	.30	700	N	N	N	100	150	2.0	N
BRF2689S	46 15 45	113 50 52	2.00	2.00	1.50	.30	1,000	N	N	N	30	150	1.5	N
BRF2691S	46 15 48	113 50 12	3.00	1.50	1.50	.50	700	N	N	N	70	150	2.0	N
BRF2693S	46 15 29	113 49 34	3.00	1.50	1.50	.50	500	N	N	N	70	150	1.5	N
BRF2695S	46 15 16	113 47 16	3.00	1.50	3.00	.70	700	N	N	N	30	100	1.5	N
BRF2697S	46 16 22	113 48 35	2.00	1.50	3.00	.50	500	N	N	N	50	50	1.0	N
BRF2700S	46 15 50	113 46 12	1.50	.50	.70	.20	700	N	N	N	50	150	1.5	N
BRF4235S	46 17 48	113 45 53	1.50	.50	.50	.20	300	N	N	N	100	300	1.0	N
BRF4237S	46 16 49	113 45 1	.70	.30	.50	.30	150	N	N	N	30	150	<1.0	N
BRF4239S	46 16 7	113 42 48	.15	.10	.30	.07	500	N	N	N	30	1,500	15.0	N
BRF4269S	46 21 9	113 45 48	1.00	.30	.50	.30	500	<.5	N	N	20	300	2.0	N
BRF4271S	46 19 55	113 45 36	.30	.15	.50	.15	300	N	N	N	20	500	3.0	N
BRF4273S	46 18 57	113 45 31	1.50	.50	.70	.20	500	N	N	N	15	200	1.5	N
BRF4277S	46 20 13	113 50 50	.70	.50	.70	.15	200	N	N	N	70	300	1.5	N
BRF4279S	46 21 30	113 49 56	1.00	.50	.30	.15	300	N	N	N	70	300	1.5	N
BRF4281S	46 21 39	113 51 57	.70	.30	.50	.15	150	N	N	N	50	150	2.0	N
BRF4291S	46 16 52	113 52 1	1.50	1.50	.70	.20	300	N	N	N	150	150	1.5	N
CGL1358S	46 22 59	113 54 47	3.00	1.50	2.00	.30	1,000	<.5	N	N	10	500	3.0	N
CGL1362S	46 23 18	113 54 19	3.00	1.00	1.50	.30	300	<.5	N	N	50	300	30.0	N
CGL1365S	46 29 35	113 59 22	1.00	.70	1.00	.30	200	N	N	N	100	700	2.0	N
CGL1367S	46 27 23	113 59 58	2.00	.70	1.50	.30	300	N	N	N	100	1,000	3.0	N
CGL1682S	46 26 40	113 57 45	5.00	.70	.70	.30	700	N	N	N	100	700	2.0	N
CGL1684S	46 25 57	113 57 58	3.00	.70	.70	.30	500	N	N	N	100	700	2.0	N
CGL1686S	46 26 29	113 59 9	3.00	.70	.70	.50	500	N	N	N	100	1,000	1.5	N
CGL1688S	46 24 25	113 57 48	.30	.50	>20.00	.03	300	3.0	N	N	15	100	N	N

CHAPTER 1F

LATITUDE 46°00'-46°30' LONGITUDE 113°30'-114°00'

TABLE 3. STREAM-SEDIMENT SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°X2° CUSMAP QUADRANGLE, MONTANA (cont.)

SAMPLE	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-SV	S-W	S-Y	S-ZN
BAL2650S	N	10	20	7	100	N	<20	15	20	N	7	N	300	50	N	30	N
BAL2652S	N	7	30	7	700	N	<20	15	20	N	7	N	300	50	N	70	N
BAL2654S	N	10	30	15	100	N	<20	10	30	N	15	N	500	100	N	50	N
BAL2659S	N	10	50	7	100	N	<20	10	30	N	7	N	<100	30	N	70	N
BAL2661S	N	7	50	15	70	N	<20	10	30	N	7	N	150	30	N	30	N
BAL4300S	N	10	20	70	30	N	<20	15	15	N	7	N	N	50	N	30	N
BAL4302S	N	7	10	<5	50	N	<20	7	<10	N	7	N	150	50	N	30	N
BAL4304S	N	N	<10	7	30	N	N	<5	20	N	<5	N	N	20	N	15	N
BRF1350S	N	7	30	20	50	N	<20	15	15	N	10	N	100	50	N	30	N
BRF1352S	N	7	30	20	150	N	<20	10	15	N	10	N	100	50	N	50	N
BRF1354S	N	7	50	20	30	N	<20	20	15	N	10	N	100	30	N	50	N
BRF2288S	N	10	50	15	30	N	<20	15	30	N	7	N	N	70	N	20	N
BRF2290S	N	10	100	20	30	N	<20	15	30	N	7	N	<100	70	N	30	N
BRF2292S	N	15	10	20	20	N	<20	20	30	N	7	N	N	100	N	20	N
BRF2294S	N	7	30	10	30	N	<20	7	15	N	5	N	N	50	N	70	N
BRF2295S	N	10	100	20	20	N	<20	30	30	N	7	N	N	50	N	30	N
BRF2296S	N	7	30	10	50	N	<20	10	30	N	5	N	<100	50	N	70	N
BRF2298S	N	7	15	10	150	N	<20	7	30	N	5	N	150	30	N	50	N
BRF2299S	N	5	20	7	30	N	<20	10	20	N	5	N	N	30	N	15	N
BRF2301S	N	5	15	5	30	N	<20	10	15	N	5	N	N	20	N	30	N
BRF2687S	N	7	70	20	100	N	<20	15	20	N	7	N	N	50	N	30	N
BRF2689S	N	7	30	20	50	N	<20	15	15	N	7	N	N	30	N	30	N
BRF2691S	N	7	70	20	70	N	<20	20	20	N	10	N	<100	50	N	50	N
BRF2693S	N	7	30	15	70	N	<20	15	10	N	7	N	N	70	N	30	N
BRF2695S	N	10	150	20	30	N	<20	50	15	N	10	N	N	70	N	50	N
BRF2697S	N	10	70	7	50	N	<20	30	15	N	10	N	N	50	N	100	N
BRF2700S	N	7	50	5	150	N	<20	15	15	N	7	N	N	50	N	50	N
BRF4235S	N	7	20	15	20	N	N	10	20	N	5	N	N	30	N	20	N
BRF4237S	N	7	10	10	30	N	N	10	20	N	5	N	N	30	N	20	N
BRF4239S	N	N	<10	7	30	N	N	<5	15	N	<5	N	N	15	N	30	N
BRF4269S	N	5	20	10	30	N	<20	7	30	N	<5	N	<100	30	N	30	N
BRF4271S	N	N	15	5	30	N	N	<5	15	N	<5	N	N	20	N	20	N
BRF4273S	N	N	15	10	30	N	N	15	20	N	7	N	N	50	N	20	N
BRF4277S	N	<5	10	--	30	N	N	7	10	N	5	N	N	30	N	20	N
BRF4279S	N	<5	10	5	20	N	N	7	10	N	5	N	N	30	N	20	N
BRF4281S	N	N	10	5	30	N	N	7	10	N	5	N	N	30	N	20	N
BRF4291S	N	5	20	15	20	N	<20	10	15	N	5	N	N	50	N	20	N
CGL1358S	N	10	70	15	50	N	<20	20	30	N	15	N	200	50	N	50	N
CGL1362S	N	7	70	30	70	N	<20	50	20	N	10	N	150	70	N	30	N
CGL1365S	N	5	20	10	30	N	N	10	15	N	5	N	N	50	N	20	N
CGL1367S	N	7	70	15	30	N	<20	15	30	N	5	N	200	50	N	30	N
CGL1682S	N	10	50	15	70	N	<20	20	30	N	10	N	500	70	N	20	N
CGL1684S	N	7	50	20	50	N	<20	20	20	N	7	N	100	70	N	30	N
CGL1686S	N	7	50	20	70	N	<20	20	20	N	7	N	100	70	N	70	N
CGL1688S	N	N	15	<5	20	N	N	<5	20	N	10	N	100	70	N	70	N

CHAPTER F

TABLE 3. STREAM-SEDIMENT SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°X2° CUSMAP QUADRANGLE, MONTANA (cont.)

SAMPLE	S-ZR	S-TH	AA-CU	AA-PB	AA-ZN	AA-AG	AA-CD	AA-BI	AA-SB
BAL2650S	200	N	2.00	2.0	9.0	.05	.09	1.0	N
BAL2652S	300	N	3.00	2.0	7.0	.05	.09	1.0	N
BAL2654S	500	N	3.00	4.0	9.0	.07	.10	1.0	N
BAL2659S	500	N	3.00	2.0	5.0	<.05	.11	1.0	N
BAL2661S	300	N	6.00	5.0	9.0	<.05	.16	1.0	N
BAL4300S	300	N	37.00	5.0	10.0	.14	N	2.0	N
BAL4302S	300	N	2.00	1.0	5.0	<.05	N	N	N
BAL4304S	50	N	--	--	--	--	--	--	--
BRF1350S	200	N	8.00	6.0	15.0	.05	.14	<.5	<1.0
BRF1352S	150	N	10.00	7.0	4.0	.06	.12	<.5	<1.0
BRF1354S	200	N	10.00	6.0	16.0	<.05	.14	<1.0	<1.0
BRF2288S	200	N	7.00	5.0	10.0	<.05	.13	N	N
BRF2290S	300	N	6.00	11.0	14.0	.07	.20	N	N
BRF2292S	300	N	6.00	4.0	6.0	.06	.12	N	1.0
BRF2294S	300	N	4.00	2.0	5.0	<.05	.09	N	N
BRF2295S	200	N	6.00	7.0	8.0	.12	.23	1.0	1.0
BRF2296S	500	N	2.00	4.0	2.0	.08	.06	N	N
BRF2298S	700	N	4.00	7.0	4.0	.17	.15	N	N
BRF2299S	300	N	2.00	2.0	2.0	.05	.10	N	N
BRF2301S	200	N	3.00	2.0	2.0	.09	.11	N	1.0
BRF2687S	200	N	11.00	3.0	6.0	<.05	.19	2.0	N
BRF2689S	200	N	14.00	6.0	12.0	.05	.22	3.0	N
BRF2691S	300	N	12.00	5.0	7.0	<.05	.16	1.0	N
BRF2693S	200	N	8.00	3.0	7.0	<.05	.13	1.0	N
BRF2695S	200	N	12.00	4.0	18.0	<.05	.16	1.0	1.0
BRF2697S	300	N	3.00	4.0	11.0	<.05	.17	N	N
BRF2700S	200	N	3.00	4.0	18.0	N	.29	N	N
BRF4235S	200	N	10.00	7.0	10.0	<.05	.10	N	1.0
BRF4237S	200	N	7.00	9.0	18.0	<.05	.21	N	5.0
BRF4239S	50	N	11.00	16.0	6.0	.11	.73	1.0	1.0
BRF4269S	300	N	4.00	8.0	6.0	.24	.21	N	N
BRF4271S	200	N	7.00	13.0	10.0	.20	.49	N	1.0
BRF4273S	150	N	11.00	11.0	24.0	.12	.18	N	N
BRF4277S	100	N	11.00	7.0	15.0	.11	.08	N	N
BRF4279S	200	N	7.00	5.0	9.0	.18	N	N	N
BRF4281S	200	N	8.00	13.0	44.0	.40	N	N	N
BRF4291S	200	N	15.00	5.0	15.0	<.05	.13	N	2.0
CGL1358S	200	N	10.00	8.0	15.0	.20	.14	<1.0	<1.0
CGL1362S	200	N	29.00	8.0	12.0	.13	.14	<1.0	<1.0
CGL1365S	200	N	8.00	3.0	3.0	.07	.12	N	1.0
CGL1367S	300	N	18.00	6.0	6.0	N	.44	N	2.0
CGL1682S	150	N	4.00	9.0	8.0	<.05	.08	<1.0	<1.0
CGL1684S	300	N	8.00	6.0	15.0	<.05	.10	<1.0	<1.0
CGL1686S	300	N	3.00	5.0	8.0	<.05	.05	<1.0	<1.0
CGL1688S	150	N	4.00	2.0	50.0	<.05	.07	<1.0	<1.0

CHAPTER F

LATITUDE 46°00'-46°30' LONGITUDE 113°30'-114 00'

TABLE 3. STREAM-SEDIMENT SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°X2° CUSMAP QUADRANGLE,MONTANA (cont)

SAMPLE	LATITUDE	LONGITUDE	S-PEZ	S-MGX	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE	S-BI
CGL1690S	46 24 13	113 59 32	3.00	2.00	5.00	.30	500	N	N	N	30	500	1.5	N
CGL1694S	46 29 51	113 58 39	3.00	.70	.70	.30	500	N	N	N	100	700	1.5	N
CGL1696S	46 28 47	113 57 21	3.00	.70	1.00	.30	500	N	N	N	200	700	1.5	N
CGL1698S	46 27 19	113 56 10	3.00	.70	.70	.30	500	N	N	N	200	700	2.0	N
CGL1700S	46 29 38	113 56 29	3.00	.70	.70	.30	300	N	N	N	70	1,000	1.5	N
CGL1702S	46 28 18	113 56 40	2.00	.50	1.00	.15	300	<.5	N	N	50	500	3.0	N
CGL1704S	46 28 16	113 53 44	5.00	1.50	.70	.30	1,500	N	N	N	100	1,000	2.0	N
CGL1706S	46 26 23	113 54 54	2.00	.50	.70	.20	300	N	N	N	100	700	2.0	N
CGL1708S	46 25 26	113 55 17	5.00	1.50	.70	.30	500	N	N	N	100	1,000	1.5	N
CGL1710S	46 25 25	113 55 13	2.00	1.00	20.00	.20	700	N	N	N	50	700	1.5	N
CGL1712S	46 24 32	113 54 9	3.00	.70	.70	.30	1,000	N	N	N	70	1,000	2.0	N
CGL1714S	46 23 46	113 54 12	5.00	3.00	1.00	.30	500	N	N	N	10	200	5.0	N
CGL1716S	46 23 34	113 53 17	3.00	5.00	1.50	.50	1,000	N	N	N	30	500	1.5	N
CGL1720S	46 24 34	113 59 10	3.00	2.00	3.00	.30	700	N	N	N	30	1,000	1.5	N
CGL1738S	46 28 19	113 56 47	3.00	1.00	2.00	.30	500	N	N	N	50	1,500	1.5	N
CGL1740S	46 27 48	113 56 4	3.00	.70	.70	.30	500	7.0	N	N	70	2,000	1.5	N
CGL1742S	46 29 21	113 53 40	3.00	.50	1.00	.30	500	N	N	N	150	500	3.0	N
CGL1746S	46 26 55	113 53 55	3.00	.70	.70	.30	1,000	N	N	N	150	700	2.0	N
CGL1748S	46 27 22	113 55 25	3.00	.70	.70	.30	700	N	N	N	150	2,000	2.0	N
CGL1750S	46 29 49	113 59 48	2.00	1.00	5.00	.30	500	<.5	N	N	70	1,000	7.0	N
CGL1752S	46 23 15	113 52 34	2.00	.70	.70	.30	300	N	N	N	150	500	3.0	N
CGL1754S	46 23 16	113 52 31	1.00	.50	1.00	.30	200	N	N	N	70	300	2.0	N
CGL1756S	46 23 46	113 54 8	1.50	1.50	1.50	.50	300	N	N	N	70	150	3.0	N
CGL1758S	46 25 27	113 54 31	1.50	.30	.30	.20	150	N	N	N	70	500	2.0	N
CGL1760S	46 25 24	113 54 33	2.00	.70	.50	.30	200	N	N	N	200	300	2.0	N
CGL1762S	46 26 54	113 54 36	2.00	.70	.30	.30	500	N	N	N	100	1,000	2.0	N
CGL1764S	46 27 45	113 52 35	3.00	.70	.70	.50	100	N	N	N	100	1,500	3.0	N
CGL1766S	46 28 22	113 53 18	2.00	.50	1.00	.30	1,000	N	N	N	70	700	7.0	N
CGL1768S	46 27 19	113 54 52	2.00	.50	.50	.20	200	N	N	N	300	700	2.0	N
CGL5824S	46 23 21	113 52 33	1.50	.50	1.00	.30	150	N	N	N	100	300	2.0	N
C061040S	46 15 22	113 37 6	1.50	.30	.50	.30	500	N	N	N	150	500	1.5	N
C062775S	46 17 21	113 35 27	3.00	.70	1.50	.30	1,000	N	N	N	300	700	7.0	N
C063260S	46 17 6	113 35 15	1.50	.30	2.00	.20	150	N	N	N	70	700	7.0	N
C063262S	46 17 21	113 35 27	2.00	.70	1.00	.30	700	N	N	N	200	700	3.0	N
C063265S	46 17 33	113 35 41	1.50	.30	.70	.20	1,000	N	N	N	100	700	3.0	N
C063269S	46 18 31	113 34 12	.70	.50	15.00	.10	500	N	N	N	70	200	2.0	N
C063271S	46 19 4	113 33 53	2.00	.70	1.50	.20	700	N	N	N	150	500	3.0	N
C063281S	46 22 9	113 30 16	2.00	.70	1.00	.30	1,000	N	N	N	70	700	1.5	N
C063283S	46 21 48	113 30 9	2.00	.50	.50	.30	300	N	N	N	70	500	2.0	N
C063285S	46 21 8	113 30 55	1.50	.30	.70	.30	700	N	N	N	70	300	2.0	N
C063287S	46 19 12	113 35 1	5.00	.30	.30	.15	1,500	.5	500	N	200	500	3.0	N
C063289S	46 19 10	113 36 0	1.50	.20	.20	.30	700	3.0	<200	N	150	300	1.5	N
C063292S	46 20 18	113 35 48	1.50	.15	.50	.20	1,000	N	N	N	150	300	2.0	N
C063302S	46 21 19	113 36 20	1.50	.15	.70	.20	700	N	N	N	150	500	3.0	N
C063304S	46 20 59	113 35 57	.50	.10	.50	.15	300	N	N	N	50	700	1.5	N

CHAPTER F

LATITUDE 46°00'–46°30' LONGITUDE 113°30'–114 00'

TABLE 3. STREAM-SEDIMENT SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°X2° CUSMAP QUADRANGLE, MONTANA (cont.)

SAMPLE	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-SV	S-W	S-Y	S-ZM
CGL1690S	N	7	50	15	50	N	<20	15	20	N	7	N	100	70	N	30	N
CGL1694S	N	7	30	15	50	7	<20	20	20	N	10	N	100	70	N	30	N
CGL1696S	N	7	50	15	70	N	<20	15	150	N	7	N	100	100	N	20	N
CGL1698S	N	7	50	20	70	5	<20	30	30	N	10	N	100	70	N	150	N
CGL1700S	N	7	50	15	50	N	<20	20	10	N	7	N	<100	100	N	30	N
CGL1702S	N	<5	50	20	50	70	N	10	15	N	7	N	<100	50	N	50	N
CGL1704S	N	10	70	30	30	5	<20	20	20	N	10	N	150	70	N	30	N
CGL1706S	N	5	20	5	30	N	<20	7	20	N	5	N	100	50	N	20	N
CGL1708S	N	10	70	20	50	N	<20	20	20	N	10	N	100	70	N	30	N
CGL1710S	N	5	30	15	30	N	N	10	15	N	7	N	150	30	N	50	N
CGL1712S	N	7	50	30	50	N	<20	20	20	N	10	N	150	70	N	50	N
CGL1714S	N	7	70	50	50	N	<20	20	30	N	15	N	<100	100	N	70	N
CGL1716S	N	7	70	20	30	N	<20	20	50	N	15	N	100	100	N	100	N
CGL1720S	N	7	70	20	70	N	<20	20	30	N	15	N	300	70	N	70	N
CGL1738S	N	7	50	15	50	10	<20	15	30	N	10	N	500	70	N	20	N
CGL1740S	N	7	50	15	30	N	<20	15	20	N	7	N	100	70	N	30	N
CGL1742S	N	5	30	50	70	7	<20	15	20	N	7	N	100	70	N	70	N
CGL1746S	N	7	50	15	50	5	<20	15	20	N	7	N	100	70	N	30	N
CGL1748S	N	7	50	15	70	7	<20	20	20	N	10	N	100	70	N	30	N
CGL1750S	N	7	15	20	70	N	<20	15	30	N	5	N	200	30	N	20	N
CGL1752S	N	7	70	15	50	N	<20	20	20	N	7	N	<100	50	N	30	N
CGL1754S	N	5	20	7	30	N	N	10	10	N	5	N	N	30	N	20	N
CGL1756S	N	7	15	10	30	N	<20	10	20	N	5	N	N	30	N	30	N
CGL1758S	N	7	20	5	30	N	<20	15	20	N	5	N	N	30	N	20	N
CGL1760S	N	7	50	10	70	N	<20	15	20	N	5	N	<100	30	N	100	N
CGL1762S	N	7	70	15	30	N	<20	15	20	N	5	N	<100	50	N	20	N
CGL1764S	N	10	100	20	30	N	<20	30	50	N	7	N	200	50	N	50	N
CGL1766S	N	5	50	30	50	N	<20	30	30	N	10	N	<100	50	N	100	N
CGL1768S	N	5	30	10	50	N	<20	10	20	N	5	N	N	30	N	30	N
CGL5824S	N	5	50	7	30	N	<20	15	30	N	5	N	N	50	N	30	N
CGL1040S	N	5	15	10	50	N	<20	7	30	N	5	N	150	50	N	20	N
CGL2777S	N	10	70	20	30	N	<20	50	30	N	7	N	300	50	N	30	N
CGL3260S	N	7	50	20	30	N	<20	30	30	N	5	N	700	30	N	50	N
CGL3262S	N	10	50	20	30	N	<20	30	30	N	7	N	300	30	N	30	N
CGL3265S	N	10	15	20	30	N	<20	30	30	N	7	N	150	30	N	50	N
CGL3269S	N	N	20	15	30	N	N	7	30	N	<5	N	300	20	N	20	N
CGL3271S	N	10	20	15	30	N	<20	30	30	N	7	N	300	30	N	20	N
CGL3281S	N	7	70	10	30	N	<20	20	15	N	7	N	200	50	N	15	N
CGL3283S	N	7	30	15	30	N	<20	15	20	N	7	N	<100	30	N	20	N
CGL3285S	N	5	10	15	20	N	N	10	30	N	5	N	200	30	N	15	N
CGL3287S	N	50	20	15	20	N	N	70	30	N	7	N	100	30	N	30	<200
CGL3289S	N	7	15	7	30	N	<20	15	150	N	5	N	<100	30	N	20	N
CGL3292S	N	7	15	15	30	N	N	15	20	N	7	N	<100	30	N	70	N
CGL3302S	N	7	20	15	20	N	N	10	30	N	5	N	300	30	N	10	N
CGL3304S	N	<5	10	15	20	N	N	5	30	N	<5	N	N	30	N	15	N

CHAPTER F

LATITUDE 46°00'-46°30' LONGITUDE 113°30'-114 00'
 TABLE 3. STREAM-SEDIMENT SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°X2° CUSMAP QUADRANGLE, MONTANA (cont)

SAMPLE	S-ZR	S-TH	AA-CU	AA-PB	AA-ZN	AA-AG	AA-CD	AA-BI	AA-SB
CGL1690S	300	N	7.00	9.0	10.0	.06	.09	<1.0	<1.0
CGL1694S	700	N	5.00	6.0	13.0	<.05	.11	<1.0	<1.0
CGL1696S	150	N	4.00	5.0	9.0	<.05	.07	<1.0	<1.0
CGL1698S	500	N	9.00	6.0	15.0	<.05	.11	<1.0	<1.0
CGL1700S	100	N	5.00	5.0	10.0	<.05	.08	<1.0	<1.0
CGL1702S	150	N	13.00	5.0	5.0	.18	.13	<1.0	<1.0
CGL1704S	200	N	9.00	5.0	18.0	<.05	.11	<1.0	<1.0
CGL1706S	200	N	1.00	1.0	4.0	<.05	<.05	<1.0	<1.0
CGL1708S	300	N	13.00	4.0	6.0	<.05	.08	<1.0	<1.0
CGL1710S	100	N	8.00	3.0	15.0	<.05	.08	<1.0	<1.0
CGL1712S	300	N	14.00	7.0	7.0	.05	.10	<1.0	<1.0
CGL1714S	200	N	13.00	16.0	5.0	.10	.23	<1.0	<1.0
CGL1716S	300	N	5.00	19.0	5.0	.05	.12	<1.0	<1.0
CGL1720S	300	N	5.00	15.0	20.0	.10	.11	<1.0	<1.0
CGL1738S	150	N	3.00	6.0	5.0	<.05	.07	<1.0	1.5
CGL1740S	300	N	2.00	6.0	6.0	<.05	.07	<1.0	<1.0
CGL1742S	300	N	21.00	6.0	25.0	<.05	.14	<1.0	<1.0
CGL1746S	300	N	4.00	7.0	16.0	.10	.23	<1.0	<1.0
CGL1748S	700	N	3.00	4.0	7.0	<.05	.09	<1.0	<1.0
CGL1750S	200	N	25.00	15.0	150.0	.20	.77	N	4.0
CGL1752S	300	N	10.00	6.0	2.0	N	.25	N	N
CGL1754S	200	N	3.00	3.0	N	N	.13	N	N
CGL1756S	200	N	5.00	4.0	N	N	.19	N	N
CGL1758S	300	N	3.00	2.0	N	N	.19	N	N
CGL1760S	300	N	3.00	3.0	N	<.05	.15	N	N
CGL1762S	300	N	5.00	4.0	120.0	N	.15	N	N
CGL1764S	200	N	4.00	15.0	3.0	.06	.33	N	N
CGL1766S	200	N	20.00	11.0	8.0	.16	.41	N	N
CGL1768S	500	N	4.00	2.0	N	<.05	.15	N	N
CGL5824S	300	N	1.00	8.0	4.0	.09	.06	2.0	3.0
C0G1040S	500	N	2.00	6.0	4.0	N	N	N	N
C0G2777S	200	N	11.00	6.0	14.0	.05	.25	N	1.0
C0G3260S	150	N	18.00	7.0	5.0	<.05	.62	1.0	N
C0G3262S	200	N	11.00	6.0	22.0	<.05	.58	1.0	N
C0G3265S	300	N	20.00	8.0	18.0	.09	.74	1.0	3.0
C0G3269S	50	N	13.00	16.0	17.0	.12	1.02	1.0	N
C0G3271S	150	N	12.00	8.0	32.0	.06	.63	1.0	2.0
C0G3281S	300	N	5.00	4.0	14.0	<.05	.05	N	N
C0G3283S	300	N	16.00	7.0	21.0	<.05	.15	N	1.0
C0G3285S	200	N	9.00	13.0	33.0	.06	.40	N	1.0
C0G3287S	200	N	14.00	19.0	290.0	.78	.50	N	41.0
C0G3289S	300	N	7.00	110.0	104.0	1.40	1.40	N	18.0
C0G3292S	200	N	N	1.0	1.0	.05	.32	3.0	8.0
C0G3302S	200	N	18.00	14.0	78.0	.09	.60	N	3.0
C0G3304S	100	N	30.00	31.0	2.0	.13	1.27	2.0	5.0

CHAPTER F

LATITUDE 46°00'–46°30' LONGITUDE 113°30'–114 00'

TABLE 3. STREAM-SEDIMENT SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°X2° CUSMAP QUADRANGLE,MONTANA (cont.)

SAMPLE	LATITUDE	LONGITUDE	S-FEX	S-MGZ	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE	S-BI
C0G3306S	46 19 51	113 34 44	.70	.15	.50	.15	500	N	N	N	70	700	3.0	N
C0G3308S	46 20 23	113 35 8	1.50	.20	.50	.20	500	N	N	N	70	300	15.0	N
C0G3311S	46 20 56	113 36 21	1.50	.50	.30	.20	200	N	N	N	70	500	2.0	N
C0G3320S	46 19 55	113 32 12	2.00	1.00	1.50	.20	700	N	N	N	70	300	1.0	N
C0G3325S	46 21 0	113 32 54	1.50	.50	.70	.20	500	N	N	N	70	500	3.0	N
C0G3327S	46 19 25	113 31 11	1.50	.30	.30	.20	300	N	N	N	70	700	1.0	N
C0G3329S	46 19 33	113 32 23	1.50	.70	2.00	.20	700	N	N	N	100	300	1.5	N
C0G3331S	46 18 14	113 32 10	.70	.30	1.00	1.50	150	N	N	N	100	300	1.0	N
C0G3333S	46 17 43	113 33 9	1.50	.70	1.00	1.50	300	N	N	N	50	300	1.0	N
C0G3335S	46 17 34	113 32 53	1.00	.20	1.00	1.50	300	N	N	N	20	300	5.0	N
C0G3337S	46 16 56	113 31 37	1.50	.70	1.00	3.00	500	N	N	N	70	300	5.0	N
C0G3339S	46 16 50	113 31 31	1.00	.50	.70	.20	500	N	N	N	150	300	3.0	N
C0G3341S	46 16 49	113 31 33	1.50	.70	1.00	.30	700	N	N	N	100	500	5.0	N
C0G3343S	46 15 28	113 31 28	2.00	.70	.70	.30	700	N	N	N	70	300	2.0	N
C0G3364S	46 20 38	113 30 38	2.00	.50	.30	.30	500	N	N	N	200	300	1.0	N
C0G3366S	46 20 44	113 30 32	2.00	.70	.50	.30	300	N	N	N	100	500	1.5	N
C0G3385S	46 17 8	113 30 4	2.00	.70	2.00	.20	300	N	N	N	100	500	2.0	N
C0G3386S	46 16 45	113 30 12	1.50	.30	.50	.20	300	N	N	N	150	300	2.0	N
C0G3398S	46 15 19	113 37 5	1.50	.30	1.00	.20	500	N	N	N	50	700	3.0	N
C0G4217S	46 21 21	113 34 15	1.00	.15	.30	.15	700	N	N	N	100	300	1.0	N
C0G4219S	46 20 0	113 36 31	3.00	.15	.50	.15	>5,000	N	700	N	100	700	7.0	N
C0G4221S	46 19 4	113 36 36	2.00	.20	.50	.15	1,500	<.5		N	200	300	5.0	N
C0G5343S	46 18 10	113 30 7	2.00	.70	.70	.30	200	N	N	N	150	500	2.0	N
C0G5345S	46 15 12	113 30 33	3.00	.30	.50	.30	300	N	N	N	100	500	3.0	N
FP11S	46 0 9	113 36 24	1.50	1.00	.50	.20	500	N	N	N	100	1,000	2.0	N
FP12S	46 0 9	113 36 24	1.50	1.00	.50	.20	500	N	N	N	100	1,000	2.0	N
FP13S	46 0 9	113 36 24	2.00	.70	.20	.30	300	N	N	N	70	1,000	1.5	N
FP15S	46 0 37	113 36 52	.70	.30	.07	.15	200	N	N	N	70	500	1.5	N
FP17S	46 1 52	113 36 41	1.50	.50	1.00	.20	700	N	N	N	50	700	2.0	N
FP2S	46 0 20	113 40 30	1.50	.50	.50	.15	500	N	N	N	70	700	3.0	N
FP6S	46 1 46	113 40 53	3.00	.50	.20	.30	500	10.0	N	N	70	500	2.0	N
FP9S	46 0 9	113 36 24	2.00	.70	.20	.50	300	N	N	N	70	1,000	2.0	N
G11375S	46 9 27	113 59 24	2.00	.50	1.00	.30	300	N	N	N	15	1,000	7.0	N
G11377S	46 9 37	113 59 35	2.00	1.50	2.00	.30	300	N	N	N	50	300	1.5	N
G11379S	46 9 41	113 57 17	2.00	.70	1.00	.30	300	.5	N	N	70	1,000	5.0	N
G11381S	46 9 52	113 57 18	2.00	1.50	1.50	.30	1,500	N	N	N	50	700	3.0	N
G11383S	46 9 40	113 56 28	2.00	.30	.50	.30	300	N	N	N	100	300	3.0	N
G11385S	46 10 4	113 56 8	1.50	.50	1.00	.30	200	N	N	N	100	500	1.5	N
G11387S	46 9 57	113 55 9	2.00	.70	.50	.50	1,000	N	N	N	100	1,000	3.0	N
G11389S	46 10 17	113 54 27	2.00	1.50	2.00	.30	500	N	N	N	50	200	1.5	N
G11391S	46 10 39	113 54 10	1.50	1.50	20.00	.15	500	N	N	N	50	700	2.0	N
G11393S	46 11 36	113 52 45	2.00	1.50	3.00	.30	1,000	N	N	N	10	1,000	2.0	N
G11395S	46 11 20	113 53 24	3.00	.70	3.00	.50	1,000	N	N	N	10	1,000	2.0	N
G11397S	46 10 8	113 54 19	3.00	1.50	3.00	.30	500	N	N	N	150	500	3.0	N
G11399S	46 9 53	113 53 53	.50	.70	20.00	.07	300	N	N	N	50	300	1.5	N

CHAPTER F

LATITUDE 46°00'-46°30' LONGITUDE 113°30'-114 00'

TABLE 3. STREAM-SEDIMENT SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°X2° CUSMAP QUADRANGLE,MONTANA (cont)

SAMPLE	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN
C0G3306S	N	7	30	20	30	N	N	7	30	N	<5	N	<100	30	N	10	N
C0G3308S	N	7	15	15	20	N	N	15	20	N	5	N	<100	30	N	15	N
C0G3311S	N	5	20	10	30	N	<20	15	30	N	7	N	100	30	N	20	N
C0G3320S	N	10	50	7	30	N	<20	20	20	N	10	N	200	50	N	15	N
C0G3325S	N	7	30	20	30	N	N	10	30	N	7	N	<100	50	N	20	N
C0G3327S	N	7	10	10	30	N	N	5	30	N	7	N	N	30	N	20	N
C0G3329S	N	7	15	15	20	N	N	10	20	N	7	N	N	30	N	15	N
C0G3331S	N	5	15	10	30	N	N	7	20	N	5	N	N	30	N	15	N
C0G3333S	N	7	15	10	20	N	N	15	20	N	5	N	300	30	N	10	N
C0G3335S	N	5	20	15	30	N	N	30	30	N	5	N	300	30	N	20	N
C0G3337S	N	7	30	20	30	N	N	20	30	N	7	N	200	30	N	30	N
C0G3339S	N	5	15	15	30	N	N	15	30	N	5	N	200	30	N	20	N
C0G3341S	N	7	70	15	30	N	<20	30	30	N	7	N	200	50	N	30	N
C0G3343S	N	10	30	20	30	N	<20	15	30	N	7	N	100	50	N	20	N
C0G3345S	N	10	10	15	30	N	<20	15	20	N	7	N	N	50	N	20	N
C0G3346S	N	7	20	15	30	N	<20	15	20	N	7	N	<100	50	N	20	N
C0G3385S	N	7	30	30	30	N	N	15	30	N	7	N	N	30	N	20	N
C0G3386S	N	7	15	15	30	N	N	10	20	N	5	N	N	30	N	15	N
C0G3398S	N	10	20	10	30	N	N	20	30	N	5	N	300	30	N	20	N
C0G4217S	N	5	<10	7	20	N	N	10	20	N	<5	N	<100	20	N	20	N
C0G4219S	N	70	20	15	20	N	N	150	20	N	5	N	100	30	N	30	<200
C0G4221S	N	7	15	20	20	N	N	20	30	N	5	N	200	30	N	15	<200
C0G5343S	N	7	30	20	50	N	<20	30	30	N	7	N	N	50	N	30	N
C0G5345S	N	7	20	20	50	N	<20	7	30	N	7	N	<100	50	N	30	N
FP11S	N	7	30	10	50	N	<20	20	50	N	7	N	<100	50	N	20	N
FP12S	N	7	30	15	50	N	<20	15	50	N	7	N	<100	30	N	30	N
FP13S	N	7	50	15	50	N	<20	20	30	N	10	N	150	30	N	30	N
FP15S	N	<5	20	<5	20	N	N	7	15	N	5	N	N	30	N	10	N
FP17S	N	7	20	10	30	N	<20	10	30	N	10	N	150	50	N	50	N
FP2S	N	5	30	7	30	N	N	7	20	N	5	N	150	30	N	15	N
FP6S	70	10	30	200	100	<5	<20	15	1,000	N	10	N	N	70	<50	70	5,000
FP9S	N	7	30	15	50	N	<20	30	30	N	10	N	100	70	N	50	N
GI1375S	N	5	20	15	300	N	<20	7	50	N	5	N	300	50	N	70	N
GI1379S	N	7	70	10	30	N	<20	10	20	N	5	N	<100	70	N	30	N
GI1381S	N	7	30	15	30	5	<20	15	30	N	5	N	<100	50	N	30	N
GI1381S	N	7	50	15	50	5	<20	10	30	N	5	N	<100	50	N	30	N
GI1383S	N	7	30	10	20	5	<20	15	30	N	5	N	N	50	N	20	N
GI1385S	N	<5	20	7	30	5	<20	5	20	N	5	N	N	50	N	30	N
GI1387S	N	7	30	10	50	5	<20	15	30	N	5	N	N	70	N	30	N
GI1389S	N	7	30	10	30	5	<20	15	15	N	5	N	N	50	N	20	N
GI1391S	N	5	30	30	30	5	N	10	20	N	5	N	N	30	N	70	N
GI1393S	N	7	100	10	20	5	N	7	30	N	10	N	200	70	N	50	N
GI1395S	N	10	70	15	20	5	<20	10	30	N	15	N	300	100	N	30	N
GI1397S	N	7	50	10	20	N	<20	7	15	N	10	N	<100	70	N	50	N
GI1399S	N	N	20	10	20	N	N	5	20	N	5	N	<100	15	N	10	N

CHAPTER F

LATITUDE 46°00'-46°30' LONGITUDE 113°30'-114 00'

TABLE 3. STREAM-SEDIMENT SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°X2° CUSMAP QUADRANGLE,MONTANA (cont)

SAMPLE	S-ZR	S-TH	AA-CU	AA-PB	AA-ZN	AA-AG	AA-CD	AA-BI	AA-SB
C0G3306S	70	N	22.00	18.0	55.0	.10	.73	1.0	3.0
C0G3308S	200	N	15.00	7.0	21.0	.05	.40	N	2.0
C0G3311S	200	N	5.00	4.0	5.0	N	.05	N	N
C0G3320S	300	N	4.00	3.0	22.0	<.05	.25	N	1.0
C0G3325S	300	N	23.00	17.0	35.0	.09	.60	N	2.0
C0G3327S	300	N	8.00	11.0	16.0	<.05	.43	N	3.0
C0G3329S	150	N	14.00	7.0	20.0	<.05	.34	N	1.0
C0G3331S	150	N	11.00	6.0	12.0	.06	N	N	1.0
C0G3333S	150	N	7.00	5.0	23.0	.08	N	N	1.0
C0G3335S	70	N	19.00	9.0	32.0	.32	.14	N	1.0
C0G3337S	150	N	19.00	12.0	40.0	.22	.16	1.0	1.0
C0G3339S	100	N	12.00	8.0	22.0	.15	<.05	N	1.0
C0G3341S	150	N	15.00	10.0	25.0	.19	.12	N	1.0
C0G3343S	150	N	18.00	12.0	32.0	.07	.28	N	2.0
C0G3364S	300	N	8.00	5.0	17.0	<.05	<.05	N	1.0
C0G3366S	300	N	13.00	11.0	33.0	.05	.13	N	1.0
C0G3385S	200	N	37.00	8.0	36.0	.13	.35	1.0	11.0
C0G3386S	150	N	15.00	10.0	30.0	.06	.34	N	2.0
C0G3398S	300	N	7.00	6.0	31.0	<.05	.12	N	1.0
C0G4217S	300	N	5.00	3.0	4.0	<.05	N	N	N
C0G4219S	100	N	19.00	18.0	150.0	.90	.47	1.0	25.0
C0G4221S	100	N	23.00	35.0	120.0	.87	.11	N	4.0
C0G5343S	300	N	16.00	15.0	19.0	.09	.31	N	2.0
C0G5345S	300	N	17.00	11.0	11.0	N	.24	N	3.0
FP11S	300	N	15.00	25.0	50.0	--	--	--	--
FP12S	500	N	10.00	20.0	40.0	--	--	--	--
FP13S	300	N	10.00	15.0	30.0	--	--	--	--
FP15S	300	N	<5.00	5.0	10.0	--	--	--	--
FP17S	300	N	10.00	25.0	190.0	--	--	--	--
FP2S	300	N	<5.00	10.0	25.0	--	--	--	--
FP6S	300	N	265.00	980.0	3+300.0	--	--	--	--
FP9S	300	N	5.00	15.0	30.0	--	--	--	--
GI1375S	300	N	4.00	8.0	4.0	.36	.18	1.0	2.0
GI1377S	200	N	10.00	2.0	2.0	N	.13	N	4.0
GI1379S	300	N	5.00	5.0	4.0	.30	.17	N	3.0
GI1381S	200	N	8.00	5.0	2.0	.15	.18	N	3.0
GI1383S	200	N	3.00	3.0	2.0	.09	.12	N	3.0
GI1385S	300	N	10.00	2.0	2.0	.09	.13	N	3.0
GI1387S	200	N	2.00	4.0	10.0	<.05	.13	N	N
GI1389S	200	N	5.00	3.0	5.0	<.05	.14	N	N
GI1391S	100	N	24.00	2.0	5.0	<.05	.20	N	N
GI1393S	200	N	3.00	5.0	10.0	<.05	.19	N	N
GI1395S	500	N	7.00	6.0	10.0	.05	.23	N	N
GI1397S	700	N	3.00	2.0	4.0	N	.16	N	N
GI1399S	30	N	4.00	4.0	4.0	N	.11	N	N

CHAPTER F

LATITUDE 46°00'--46°30' LONGITUDE 113°30'--114 00'

TABLE 3. STREAM-SEDIMENT SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°X2° CUSMAP QUADRANGLE,MONTANA (cont)

SAMPLE	LATITUDE	LONGITUDE	S-FEX	S-MGX	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE	S-BI
GI1770S	46 11 57	113 59 48	7.00	5.00	10.00	.70	1,000	N	N	N	10	500	1.0	N
GI1772S	46 11 57	113 59 55	3.00	2.00	5.00	.30	700	N	N	N	10	500	2.0	N
GI1774S	46 11 44	113 58 24	5.00	3.00	7.00	.50	1,000	N	N	N	10	500	2.0	N
GI1776S	46 11 38	113 58 20	2.00	1.50	3.00	.50	500	N	N	N	300	500	3.0	N
GI1778S	46 14 27	113 57 59	1.50	1.50	3.00	.30	500	N	N	N	30	300	3.0	N
GI1780S	46 14 12	113 58 18	3.00	3.00	5.00	.30	700	N	N	N	30	1,000	2.0	N
GI1783S	46 13 41	113 59 36	3.00	1.50	3.00	.30	500	N	N	N	100	700	2.0	N
GI1785S	46 12 48	113 59 52	2.00	1.50	5.00	.30	700	N	N	N	100	1,000	3.0	N
GI1787S	46 12 41	113 59 57	5.00	2.00	7.00	.50	1,000	N	N	N	50	700	1.5	N
GI1789S	46 12 55	113 55 47	2.00	1.50	3.00	.30	1,000	N	N	N	70	700	2.0	N
GI1791S	46 13 21	113 54 50	1.50	1.50	3.00	.30	700	N	N	N	70	300	2.0	N
GI1793S	46 13 18	113 54 46	2.00	1.50	3.00	.20	1,500	N	N	N	50	500	2.0	N
GI1795S	46 12 15	113 55 57	2.00	1.50	3.00	.20	1,500	.5	N	N	--	1,000	2.0	N
GI1797S	46 11 48	113 56 34	3.00	1.50	15.00	.50	1,000	N	N	N	15	500	5.0	N
GI2274S	46 9 29	113 52 57	2.00	.70	1.50	.30	500	.5	N	N	<10	1,500	3.0	N
GI2306S	46 9 27	113 53 9	1.50	1.50	2.00	.15	500	N	N	N	70	1,000	3.0	N
GI2308S	46 8 53	113 52 40	2.00	1.50	2.00	.30	500	N	N	N	70	700	2.0	N
GI2611S	46 10 7	113 58 52	2.00	1.50	3.00	.30	500	N	N	N	50	700	3.0	N
GI2613S	46 9 52	113 59 42	1.50	1.00	3.00	.20	300	N	N	N	30	700	3.0	N
GI2657S	46 8 10	113 59 57	3.00	1.00	1.50	.50	700	N	N	N	20	700	3.0	N
GI4292S	46 14 25	113 56 31	2.00	2.00	2.00	.30	700	N	N	N	20	200	1.5	N
GI4294S	46 8 53	113 57 3	1.50	.70	.70	.30	300	N	N	N	20	500	3.0	N
GI4296S	46 8 20	113 56 9	.70	.50	.30	.20	300	N	N	N	30	300	3.0	N
KEN0068S	46 2 24	113 46 35	2.00	.70	.70	.20	500	N	N	N	100	1,000	1.5	N
KEN0070S	46 3 13	113 45 56	1.50	.30	.50	.20	500	N	N	N	100	500	1.5	N
KEN0072S	46 3 14	113 45 49	2.00	.70	1.00	.20	500	<.5	N	N	70	500	2.0	N
KEN0084S	46 4 17	113 47 40	1.50	.70	.50	.15	300	N	N	N	200	300	2.0	N
KEN0091S	46 4 46	113 46 44	3.00	1.00	.20	.30	500	N	N	N	200	500	2.0	N
KEN0093S	46 5 22	113 47 24	.70	.20	.70	.10	500	N	N	N	30	300	10.0	N
KEN0094S	46 5 18	113 47 50	2.00	.70	.50	.20	300	N	N	N	150	700	3.0	N
KEN0096S	46 5 17	113 48 36	1.50	.30	.30	.15	200	N	N	N	200	500	2.0	N
KEN0097S	46 5 46	113 48 45	1.50	.70	.30	.15	500	N	N	N	200	700	3.0	N
KEN0387S	46 5 32	113 45 5	1.50	.50	.30	.15	300	N	N	N	150	700	2.0	N
KEN0389S	46 5 38	113 45 2	1.50	.30	.20	.15	300	N	N	N	70	700	2.0	N
KEN0391S	46 4 29	113 45 57	1.00	.30	.50	.20	300	N	N	N	200	700	2.0	N
KEN0393S	46 4 27	113 45 55	1.00	.30	.50	.20	200	N	N	N	200	500	2.0	N
KEN0728S	46 0 15	113 45 56	3.00	3.00	7.00	.20	1,500	1.5	N	N	30	700	2.0	N
KEN0856S	46 0 16	113 45 58	2.00	2.00	7.00	.20	700	N	N	N	30	500	2.0	N
KEN0882S	46 1 14	113 47 17	.70	.30	.30	.15	200	N	N	N	100	500	2.0	N
KEN0884S	46 1 19	113 47 20	1.00	.70	.30	.30	200	N	N	N	100	700	2.0	N
KEN0886S	46 1 17	113 47 28	2.00	.70	.70	.30	200	N	N	N	70	500	2.0	N
KEN0888S	46 0 58	113 48 12	3.00	1.00	2.00	.30	500	N	N	N	10	700	2.0	N
KEN0890S	46 0 39	113 48 40	1.00	.50	.50	.15	200	N	N	N	70	500	2.0	N
KEN0892S	46 0 38	113 48 44	3.00	.50	1.50	.30	700	N	N	N	50	500	3.0	N
KEN0894S	46 0 33	113 48 35	1.00	.50	.50	.15	300	N	N	N	10	500	2.0	N

CHAPTER F

LATITUDE 46°00'–46°30' LONGITUDE 113°30'–114 00'

TABLE 3. STREAM-SEDIMENT SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°X2° CUSMAP QUADRANGLE,MONTANA (cont)

SAMPLE	S-CD	S-CC	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN
GI1770S	N	70	500	30	20	N	<20	150	20	N	50	N	300	200	N	30	N
GI1772S	N	10	150	20	30	N	<20	50	30	N	15	N	300	70	N	30	N
GI1774S	N	15	300	7	50	N	<20	70	20	N	30	N	500	100	N	50	N
GI1776S	N	7	50	50	30	N	<20	30	30	N	7	N	100	50	N	30	N
GI1778S	N	7	50	15	30	N	<20	15	30	N	5	N	100	50	N	30	N
GI1780S	N	10	100	30	50	N	<20	30	20	N	10	N	<100	50	N	50	N
GI1783S	N	10	70	30	50	N	<20	30	30	N	7	N	100	70	N	30	N
GI1785S	N	7	70	20	100	N	<20	20	50	N	7	N	100	30	N	30	N
GI1787S	N	20	100	50	30	N	<20	30	20	N	7	N	200	200	N	50	N
GI1789S	N	10	30	20	100	N	<20	20	30	N	7	N	<100	50	N	100	N
GI1791S	N	10	100	15	50	N	<20	20	30	N	7	N	<100	50	N	100	N
GI1793S	N	10	30	20	50	N	<20	15	30	N	7	N	<100	200	N	70	N
GI1795S	N	15	50	10	30	N	<20	15	30	N	20	N	500	150	N	70	N
GI1797S	N	7	100	50	30	N	<20	30	20	N	10	N	150	100	N	100	N
GI2274S	N	7	50	10	300	N	<20	7	30	N	7	N	500	50	N	50	N
GI2306S	N	7	50	20	30	N	<20	15	20	N	7	N	<100	30	N	30	N
GI2308S	N	7	50	15	50	N	<20	15	20	N	7	N	<100	30	N	30	N
GI2611S	N	7	30	10	50	N	<20	10	15	N	7	N	N	50	N	50	N
GI2613S	N	7	50	10	100	N	<20	7	30	N	5	N	150	50	N	50	N
GI2657S	N	10	100	20	70	N	<20	50	30	N	7	N	200	70	N	70	N
GI4292S	N	10	20	20	30	N	<20	15	30	N	7	N	<100	50	N	30	N
GI4294S	N	5	<10	15	50	N	<20	7	30	N	5	N	150	50	N	30	N
GI4296S	N	<5	10	5	30	N	<20	<5	15	N	5	N	<100	30	N	30	N
KEN0068S	N	5	30	10	50	5	<20	10	15	N	7	N	<100	30	N	30	N
KEN0070S	N	5	20	10	30	N	<20	5	15	N	5	N	<100	30	N	30	N
KEN0072S	N	7	20	30	30	7	<20	10	20	N	7	N	<100	50	N	20	N
KEN0084S	N	7	20	7	30	N	<20	10	15	N	5	N	N	50	N	10	N
KEN0091S	N	7	70	70	30	N	<20	20	15	N	10	N	<100	70	N	20	N
KEN0093S	N	N	15	50	70	N	<20	5	20	N	5	N	<100	30	N	50	N
KEN0094S	N	5	50	20	30	N	<20	15	20	N	7	N	<100	70	N	30	N
KEN0096S	N	<5	20	<5	30	N	<20	<5	15	N	5	N	<100	30	N	10	N
KEN0097S	N	5	50	10	30	N	<20	7	15	N	5	N	<100	50	N	15	N
KEN0387S	N	5	50	10	30	N	<20	<5	30	N	5	N	<100	30	N	20	N
KEN0389S	N	5	30	10	70	N	<20	<5	30	N	5	N	<100	30	N	20	N
KEN0391S	N	<5	50	10	30	N	<20	5	15	N	5	N	100	50	N	20	N
KEN0393S	N	N	20	10	30	N	<20	5	20	N	5	N	100	50	N	15	N
KEN0728S	N	10	50	100	30	N	<20	15	50	N	10	N	<100	70	N	50	N
KEN0856S	N	7	50	70	30	N	<20	15	30	N	7	N	<100	50	N	50	N
KEN0882S	N	<5	15	<5	20	N	<20	5	15	N	<5	N	<100	30	N	20	N
KEN0884S	N	7	50	7	20	N	<20	15	10	N	10	N	<100	50	N	20	N
KEN0886S	N	7	50	15	30	7	<20	15	20	N	10	N	100	50	N	30	N
KEN0888S	N	7	30	20	50	5	<20	15	50	N	10	N	150	50	N	50	N
KEN0890S	N	N	20	<5	30	N	<20	7	20	N	5	N	<100	30	N	10	N
KEN0892S	N	7	20	15	200	N	<20	10	50	N	10	N	300	50	N	50	N
KEN0894S	N	<5	30	5	30	N	<20	5	20	N	5	N	<100	30	N	20	N

CHAPTER F

TABLE 3. STREAM-SEDIMENT SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°X2° CUSMAP QUADRANGLE, MONTANA (cont.)

LATITUDE 46°00'-46°30' LONGITUDE 113°30'-114°00'

SAMPLE	S-ZR	S-TH	AA-CU	AA-PB	AA-ZN	AA-AG	AA-CD	AA-BI	AA-SB
GI1770S	100	N	8.00	2.0	N	.21	.19	N	N
GI1772S	200	N	5.00	3.0	1.0	N	.16	N	1.0
GI1774S	200	N	3.00	2.0	N	N	.13	N	2.0
GI1776S	150	N	30.00	4.0	4.0	N	.23	N	3.0
GI1778S	100	N	9.00	7.0	5.0	<.05	.31	N	4.0
GI1780S	200	N	18.00	3.0	N	.07	.19	N	2.0
GI1783S	200	N	27.00	6.0	110.0	.07	.32	N	3.0
GI1785S	300	N	9.00	4.0	4.0	N	.13	N	4.0
GI1787S	200	N	35.00	4.0	9.0	.08	.12	N	3.0
GI1789S	300	N	12.00	6.0	5.0	.06	.17	N	6.0
GI1791S	200	N	18.00	10.0	10.0	N	.35	N	N
GI1793S	100	N	16.00	8.0	7.0	.13	.28	N	N
GI1795S	500	N	4.00	6.0	11.0	.30	.16	N	N
GI1797S	300	N	N	4.0	24.0	.07	1.04	1.0	3.0
GI2274S	200	N	--	--	--	--	--	--	--
GI2306S	200	N	9.00	3.0	3.0	.07	.17	N	1.0
GI2308S	300	N	8.00	2.0	6.0	.05	.28	1.0	1.0
GI2611S	300	N	5.00	3.0	2.0	N	.13	N	N
GI2613S	300	N	7.00	3.0	4.0	.13	.13	N	N
GI2657S	300	N	10.00	7.0	15.0	.14	.13	1.0	1.0
GI4292S	200	N	15.00	8.0	17.0	<.05	.08	N	N
GI4294S	300	N	13.00	7.0	24.0	.14	.11	N	N
GI4296S	500	N	5.00	7.0	N	<.05	.28	N	N
KEN0068S	200	N	.40	<.5	.7	<.02	.02	<.5	<1.0
KEN0070S	700	N	.40	<.5	.7	<.02	.02	<.5	<1.0
KEN0072S	300	N	2.00	.8	1.9	.02	.04	<.5	<1.0
KEN0084S	300	N	.20	<.5	.6	<.02	.03	<.5	<1.0
KEN0091S	500	N	1.80	<.5	1.1	<.02	.02	<.5	<1.0
KEN0093S	70	N	10.00	1.5	1.1	<.02	.05	<.5	<1.0
KEN0094S	300	N	.60	<.5	.6	<.02	.02	<.5	<1.0
KEN0096S	300	N	.10	<.5	<.5	<.02	.02	<.5	<1.0
KEN0097S	300	N	.20	<.5	.5	<.02	.03	<.5	<1.0
KEN0387S	300	N	.40	1.0	.5	<.02	.04	--	<1.0
KEN0389S	200	N	.40	1.0	<.5	<.02	.03	--	<1.0
KEN0391S	300	N	.60	.8	.5	<.02	.03	--	<1.0
KEN0393S	200	N	.40	.6	<.5	<.02	.02	--	<1.0
KEN0728S	200	N	9.80	2.5	1.7	<.02	.03	<.5	<1.0
KEN0856S	200	N	3.80	1.0	1.3	<.02	.04	<.5	<1.0
KEN0882S	300	N	.10	<.5	<.5	<.02	.02	<.5	<1.0
KEN0884S	500	N	.20	<.5	.6	<.02	.02	<.5	<1.0
KEN0886S	300	N	.30	<.5	.7	<.02	.02	<.5	<1.0
KEN0888S	200	N	.70	<.5	1.2	<.02	.02	<.5	<1.0
KEN0890S	300	N	.20	<.5	.6	<.02	.02	<.5	<1.0
KEN0892S	500	N	.50	.5	2.5	.02	.03	<.5	<1.0
KEN0894S	500	N	.20	<.5	.6	<.02	.02	<.5	<1.0

CHAPTER F

LATITUDE 46°00'-46°30' LONGITUDE 113°30'-114 00'

TABLE 3. STREAM-SEDIMENT SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°X2° CUSMAP QUADRANGLE, MONTANA (cont.)

SAMPLE	LATITUDE	LONGITUDE	S-FEX	S-MG%	S-CAZ	S-TIZ	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE	S-BI
KEN0931S	46 6 57	113 46 9	.30	.10	.10	.07	70	N	N	N	20	500	2.0	N
KEN0932S	46 7 0	113 46 11	1.00	.30	.70	.15	200	N	N	N	150	500	7.0	N
KEN0935S	46 7 3	113 46 22	1.50	.30	.50	.20	150	N	N	N	100	1,000	1.5	N
KEN0938S	46 7 0	113 48 11	2.00	1.50	1.50	.30	300	N	N	N	30	500	1.0	N
KEN0940S	46 6 58	113 49 0	1.50	.50	.70	.30	150	N	N	N	70	500	2.0	N
KEN0941S	46 6 48	113 48 15	1.50	.30	.50	.30	100	N	N	N	100	500	2.0	N
KEN0943S	46 6 38	113 48 30	1.00	.30	.30	.20	100	N	N	N	100	500	1.5	N
KEN0945S	46 6 42	113 49 20	1.50	.30	.30	.15	200	N	N	N	100	500	1.5	N
KEN0946S	46 6 42	113 49 20	1.50	.30	.50	.15	200	N	N	N	300	500	2.0	N
KEN0948S	46 6 45	113 49 14	1.00	.30	.50	.15	150	N	N	N	100	700	2.0	N
KEN0950S	46 7 7	113 50 11	.50	.70	>20.00	.07	200	N	N	N	10	150	<1.0	N
KEN2201S	46 4 36	113 51 30	5.00	1.00	1.50	.70	500	N	N	N	50	1,000	2.0	N
KEN2203S	46 4 36	113 51 32	3.00	1.00	1.50	.50	500	N	N	N	50	700	2.0	N
KEN2205S	46 4 38	113 51 36	1.50	.50	1.50	.30	500	N	N	N	15	700	3.0	N
KEN2256S	46 6 0	113 52 27	2.00	1.00	2.00	.30	300	N	N	N	70	500	1.5	N
KEN2260S	46 6 19	113 51 40	1.50	.70	1.50	.30	300	.5	N	N	300	500	3.0	N
KEN2262S	46 6 35	113 51 29	2.00	3.00	3.00	.30	700	.5	N	N	150	150	1.5	N
KEN2264S	46 6 45	113 51 32	1.50	.50	.70	.20	200	.5	N	N	200	300	1.5	N
KEN2266S	46 7 28	113 51 13	1.50	.70	1.00	.50	200	.5	N	N	100	500	2.0	N
KEN2268S	46 7 25	113 51 2	3.00	1.00	2.00	.50	500	.5	N	N	100	300	2.0	N
KEN2615S	46 0 32	113 49 25	2.00	.70	2.00	.30	1,000	N	N	N	10	700	3.0	N
KEN2617S	46 1 40	113 50 25	2.00	1.50	3.00	.30	1,000	N	N	N	<10	500	3.0	N
KEN2619S	46 1 24	113 49 38	3.00	1.00	3.00	.30	700	N	N	N	20	700	2.0	N
KEN2621S	46 1 45	113 49 46	2.00	.30	1.50	.20	1,000	N	N	N	10	500	5.0	N
KEN2623S	46 2 5	113 49 36	3.00	.50	1.50	.20	2,000	N	N	N	70	700	5.0	N
KEN2625S	46 2 9	113 49 39	3.00	.50	1.50	.30	1,500	N	N	N	15	700	3.0	N
KEN2627S	46 2 25	113 50 50	3.00	.30	1.50	.30	700	N	N	N	10	700	3.0	N
KEN2629S	46 2 26	113 50 52	1.50	.30	1.00	.20	300	N	N	N	100	300	2.0	N
KEN2631S	46 3 31	113 50 13	1.50	.30	1.00	.20	300	N	N	N	100	300	1.0	N
KEN2633S	46 4 55	113 50 43	2.00	.50	.20	.30	150	N	N	N	70	200	1.5	N
KEN2635S	46 4 21	113 50 51	2.00	.50	.20	.30	200	N	N	N	300	500	1.5	N
KEN4306S	46 2 52	113 52 13	2.00	.50	1.00	.30	300	N	N	N	20	300	2.0	N
MAU1265S	46 7 41	113 36 36	1.00	.30	1.00	.20	200	N	N	N	100	500	1.5	N
MAU1267S	46 7 56	113 36 30	1.50	.30	.70	.20	300	N	N	N	70	500	1.5	N
MAU2384S	46 7 33	113 35 47	1.00	.50	.30	.20	300	N	N	N	200	1,500	2.0	N
MAU4201S	46 13 25	113 31 18	1.00	.30	.70	.15	700	N	N	N	70	300	1.5	N
MAU4322S	46 13 24	113 36 39	1.50	.20	.30	.30	1,500	N	N	N	70	1,000	5.0	<10
MAU4324S	46 12 34	113 31 17	3.00	.70	.30	.30	500	N	N	N	70	300	1.0	N
MAU5212S	46 12 32	113 30 14	2.00	1.00	3.00	.20	700	N	N	N	70	500	1.5	N
MAU5251S	46 8 37	113 36 17	1.50	.07	.30	.07	1,500	N	N	N	<10	500	1.5	N
MAU5264S	46 10 38	113 31 19	1.50	.30	.30	.20	700	N	N	N	70	500	7.0	N
MAU5266S	46 10 1	113 32 32	.70	.30	2.00	.15	300	N	N	N	50	300	2.0	N
MAU5268S	46 9 27	113 33 17	1.50	1.00	.70	.30	300	N	N	N	100	500	3.0	N
MAU5270S	46 8 24	113 34 11	2.00	.70	1.00	.30	500	N	N	N	150	500	5.0	N
MAU5276S	46 13 46	113 32 59	2.00	.70	1.50	.50	700	N	N	N	50	700	2.0	N

CHAPTER F

LATITUDE 46°00'-46°30' LONGITUDE 113°30'-114 00'

TABLE 3. STREAM-SEDIMENT SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°X2° CUSMAP QUADRANGLE,MONTANA (cont.)

SAMPLE	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN
KEN0931S	N	N	10	<5	20	N	N	<5	10	N	<5	N	N	10	N	15	N
KEN0932S	N	<5	15	10	30	N	<20	15	15	N	7	N	<100	30	N	30	N
KEN0935S	N	<5	15	<5	20	N	<20	N	15	N	5	N	100	30	N	20	N
KEN0938S	N	5	50	5	50	N	<20	15	15	N	10	N	100	30	N	30	N
KEN0940S	N	5	50	5	30	N	<20	7	15	N	7	N	<100	30	N	70	N
KEN0941S	N	5	70	<5	30	N	<20	10	15	N	7	N	<100	50	N	20	N
KEN0943S	N	<5	20	5	30	<5	<20	7	15	N	7	N	100	30	N	20	N
KEN0945S	N	5	30	7	30	N	<20	7	20	N	5	N	<100	30	N	30	N
KEN0946S	N	5	20	<5	30	N	<20	7	15	N	5	N	<100	30	N	20	N
KEN0948S	N	<5	15	<5	30	N	<20	5	15	N	5	N	<100	30	N	15	N
KEN0950S	N	N	15	10	30	N	N	<5	<10	N	<5	N	<100	20	N	30	N
KEN2201S	N	7	70	5	300	N	<20	7	15	N	7	N	100	100	N	50	N
KEN2203S	N	7	50	5	30	N	<20	10	15	N	7	N	150	70	N	70	N
KEN2205S	N	7	15	10	50	N	<20	7	20	N	7	N	200	30	N	30	N
KEN2256S	N	5	15	<5	30	N	<20	5	20	N	5	N	<100	50	N	30	N
KEN2260S	N	<5	20	5	50	N	<20	5	15	N	5	N	<100	30	N	20	N
KEN2262S	N	7	70	30	100	N	<20	50	10	N	7	N	100	70	N	100	N
KEN2264S	N	5	30	7	20	N	<20	5	15	N	5	N	<100	30	N	20	N
KEN2266S	N	5	50	15	20	N	<20	7	15	N	7	N	<100	70	N	20	N
KEN2268S	N	10	100	10	70	N	<20	10	15	N	10	N	100	100	N	70	N
KEN2615S	N	7	15	100	300	N	<20	7	50	N	5	N	200	50	N	30	N
KEN2617S	N	7	15	20	50	N	<20	7	30	N	5	N	150	70	N	30	N
KEN2619S	N	10	50	15	50	N	<20	10	30	N	7	N	300	50	N	30	N
KEN2621S	N	5	15	7	50	N	<20	<5	50	N	5	N	300	30	N	15	N
KEN2623S	N	10	15	7	20	N	<20	<5	50	N	5	N	200	50	N	15	N
KEN2625S	N	10	15	5	200	N	<20	5	30	N	5	N	200	50	N	30	N
KEN2627S	N	5	20	10	300	10	<20	<5	30	N	5	N	300	50	N	50	N
KEN2629S	N	5	10	5	30	N	<20	5	30	N	5	N	200	50	N	15	N
KEN2631S	N	5	20	<5	20	N	<20	<5	20	N	5	N	N	30	N	15	N
KEN2633S	N	5	20	<5	50	N	<20	5	20	N	5	N	N	30	N	20	N
KEN2635S	N	7	30	<5	30	N	<20	10	20	N	5	N	N	30	N	20	N
KEN4306S	N	7	10	5	30	N	<20	7	30	N	7	N	200	30	N	30	N
MAU1265S	N	5	15	5	70	N	<20	5	20	N	7	N	150	30	N	30	N
MAU1267S	N	5	10	5	30	N	<20	5	20	N	7	N	150	30	N	50	N
MAU2384S	N	5	30	5	30	N	<20	5	20	N	<5	N	<100	30	N	20	N
MAU4201S	N	5	<10	<10	30	N	N	7	20	N	5	N	100	20	N	30	N
MAU4322S	N	7	20	15	30	N	<20	10	50	N	5	N	<100	30	N	30	N
MAU4324S	N	7	20	15	50	N	<20	15	30	N	7	N	<100	50	N	70	N
MAU5212S	N	5	15	15	30	N	N	15	20	N	5	N	N	30	N	15	N
MAU5251S	N	N	15	15	20	N	N	5	30	N	5	N	N	30	N	10	N
MAU5264S	N	5	15	15	30	N	<20	10	50	N	7	N	<100	30	N	30	N
MAU5266S	N	<5	15	10	30	N	<20	15	30	N	5	N	N	30	N	20	N
MAU5268S	N	7	30	15	30	N	<20	15	30	N	7	N	<100	30	N	30	N
MAU5270S	N	7	20	15	30	N	<20	20	30	N	7	N	N	50	N	50	N
MAU5276S	N	15	150	20	30	N	<20	30	30	N	10	N	300	70	N	20	N

CHAPTER F

LATITUDE 46°00'-48°30' LONGITUDE 113°30'-114 00'

TABLE 3. STREAM-SEDIMENT SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°X2° CUSMAP QUADRANGLE, MONTANA (cont)

SAMPLE	S-ZR	S-TH	AA-CU	AA-PB	AA-ZN	AA-AG	AA-CD	AA-BI	AA-SB
KEN0931S	100	N	.10	<.5	<.5	<.02	<.02	<.5	<1.0
KEN0932S	150	N	.50	<.5	<.5	<.02	.03	<.5	<1.0
KEN0935S	200	N	.30	<.5	<.5	<.02	<.02	<.5	<1.0
KEN0938S	300	N	.40	<.5	<.5	<.02	<.02	<.5	<1.0
KEN0940S	300	N	.40	<.5	.2	<.02	<.02	<.5	<1.0
KEN0941S	500	N	.16	<.5	.1	<.02	<.02	<.5	<1.0
KEN0943S	150	N	.50	<.5	.1	<.02	<.02	<.5	<1.0
KEN0945S	700	N	.50	.5	.6	<.02	<.02	<.5	<1.0
KEN0946S	500	N	.30	<.5	.2	<.02	<.02	<.5	<1.0
KEN0948S	300	N	.20	<.5	.2	<.02	<.02	<.5	<1.0
KEN0950S	150	N	1.00	<.5	.5	<.02	<.02	<.5	<1.0
KEN2201S	700	N	2.00	2.0	4.0	N	.10	N	N
KEN2203S	300	N	2.00	2.0	3.0	N	.14	N	N
KEN2205S	200	N	4.00	3.0	6.0	N	.45	N	N
KEN2256S	300	N	1.00	1.0	4.0	<.05	.06	N	N
KEN2260S	300	N	1.00	1.0	3.0	<.05	.08	N	1.0
KEN2262S	100	N	--	--	--	--	--	--	--
KEN2264S	300	N	--	--	--	--	--	--	--
KEN2266S	300	N	--	--	--	--	--	--	--
KEN2268S	300	N	2.00	1.0	2.0	<.05	.06	N	1.0
KEN2615S	200	N	14.00	8.0	16.0	.10	.35	N	N
KEN2617S	300	N	4.00	5.0	15.0	.11	.25	N	N
KEN2619S	200	N	5.00	3.0	12.0	<.05	.27	N	1.0
KEN2621S	200	N	3.00	7.0	47.0	.07	.37	N	1.0
KEN2623S	200	N	2.00	6.0	22.0	<.05	.54	N	2.0
KEN2625S	500	N	2.00	3.0	16.0	<.05	.39	1.0	1.0
KEN2627S	700	N	4.00	3.0	9.0	.05	.28	N	1.0
KEN2629S	300	N	2.00	5.0	13.0	<.05	.26	N	1.0
KEN2631S	500	N	1.00	1.0	1.0	N	.18	N	1.0
KEN2633S	500	N	1.00	2.0	2.0	N	.23	N	1.0
KEN2635S	300	N	1.00	1.0	1.0	N	.20	1.0	N
KEN4306S	300	N	3.00	4.0	13.0	.06	N	N	N
MAU1265S	200	N	.50	<.5	.5	<.02	<.02	<.5	<1.0
MAU1267S	300	N	.40	<.5	.5	<.02	<.02	<.5	<1.0
MAU2384S	500	N	8.00	6.0	20.0	.05	.21	N	5.0
MAU4201S	200	N	3.00	3.0	14.0	<.05	.06	N	N
MAU4322S	150	N	4.00	18.0	11.0	<.05	.32	2.0	N
MAU4324S	300	N	14.00	13.0	17.0	.08	.18	1.0	N
MAU5212S	300	N	2.00	3.0	6.0	<.05	N	N	N
MAU5251S	70	N	20.00	56.0	160.0	.60	.56	N	4.0
MAU5264S	300	N	N	N	1.0	<.05	N	N	N
MAU5266S	150	N	7.00	5.0	11.0	<.05	N	N	N
MAU5268S	300	N	7.00	6.0	10.0	<.05	N	N	N
MAU5270S	300	N	16.00	16.0	16.0	<.05	<.05	N	N
MAU5276S	150	N	14.00	8.0	26.0	<.05	.10	N	N

CHAPTER F

LATITUDE 46°00'-46°30' LONGITUDE 113°30'-114 00'
 TABLE 3. STREAM-SEDIMENT SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°X2° CUSMAP QUADRANGLE,MONTANA (cont.)

SAMPLE	LATITUDE	LONGITUDE	S-FEX	S-MGZ	S-CAZ	S-TIZ	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE	S-BI
MAU5278S	46 14 52	113 35 21	1.50	.50	1.00	.20	700	N	N	N	70	300	3.0	N
MAU5280S	46 14 59	113 35 29	1.00	.50	1.50	.20	300	N	N	N	70	300	3.0	N
MAU5282S	46 14 26	113 34 15	2.00	.70	1.50	.30	500	N	N	N	100	700	3.0	N
MAU5296S	46 14 54	113 36 12	1.50	.15	.15	.20	700	N	N	N	70	500	1.5	N
MAU5298S	46 12 53	113 35 30	1.50	.50	.70	.20	150	N	N	N	70	500	3.0	N
MAU5300S	46 12 10	113 35 4	1.00	.20	.70	.20	200	N	N	N	70	1,000	3.0	N
MAU5302S	46 12 16	113 33 1	1.50	.15	.70	.20	1,000	N	N	N	700	300	2.0	N
MAU5304S	46 10 42	113 33 9	2.00	.50	1.00	.30	1,500	N	N	N	700	500	3.0	N
MAU5306S	46 10 27	113 34 36	2.00	.50	.50	.30	500	N	N	N	100	700	3.0	N
MAU5308S	46 9 20	113 35 52	1.00	.20	.30	.20	100	N	N	N	200	700	1.5	N
MAU5347S	46 13 41	113 31 4	2.00	1.50	5.00	.20	300	N	N	N	70	300	1.5	N
MAU5349S	46 13 37	113 32 50	2.00	.20	.50	.30	700	N	N	N	70	500	2.0	N
MAU5351S	46 12 21	113 30 16	.70	.30	.30	.15	100	N	N	N	70	300	1.0	N
MEM0896S	46 8 17	113 44 0	1.50	.30	2.00	.15	700	N	N	N	10	500	2.0	N
MEM0898S	46 8 21	113 44 3	1.50	.50	2.00	.15	500	N	N	N	<10	500	2.0	N
MEM1261S	46 12 5	113 43 59	1.50	.50	.70	.20	300	N	N	N	70	700	2.0	N
MEM1263S	46 11 58	113 43 58	3.00	.70	2.00	.30	500	N	N	N	<10	500	1.5	N
MEM1800S	46 8 16	113 44 12	7.00	.70	3.00	.30	700	N	N	N	10	500	2.0	N
MEM1802S	46 8 25	113 44 26	1.50	.30	1.50	.20	700	N	N	N	<10	500	2.0	N
MEM1804S	46 8 19	113 44 39	1.50	.30	2.00	.20	1,500	N	N	N	<10	500	2.0	N
MEM1806S	46 8 16	113 44 44	3.00	1.00	2.00	.30	700	N	N	N	70	700	2.0	N
MEM2329S	46 12 6	113 43 47	1.50	.50	2.00	.50	700	N	N	N	20	500	3.0	N
MEM2331S	46 11 20	113 43 9	1.00	.15	.70	.07	2,000	N	N	N	10	150	7.0	N
MEM2333S	46 11 22	113 43 12	2.00	.50	1.50	.30	1,000	N	N	N	15	500	7.0	N
MEM2335S	46 11 34	113 42 15	1.50	.30	1.50	.30	700	N	N	N	15	500	7.0	N
MEM2708S	46 7 51	113 41 17	1.50	.70	3.00	.20	700	N	N	N	30	700	2.0	N
MEM2710S	46 8 38	113 41 36	2.00	.50	1.50	.15	1,000	N	N	N	15	500	10.0	N
MEM2712S	46 9 12	113 41 14	1.50	.50	2.00	.20	700	N	N	N	20	500	7.0	N
MEM2713S	46 9 45	113 40 19	1.00	.20	2.00	.20	500	N	N	N	20	700	3.0	N
MEM2715S	46 10 6	113 40 24	3.00	.50	1.50	.20	1,000	N	N	N	30	1,000	5.0	N
MEM3388S	46 11 19	113 41 19	1.50	.20	1.00	.15	300	N	N	N	10	300	3.0	N
MEM4241S	46 14 59	113 41 24	1.00	.20	.20	.30	500	N	N	N	100	1,500	5.0	N
MEM4308S	46 8 7	113 39 5	.70	.15	.70	.15	700	<.5	N	N	10	200	3.0	N
MEM4310S	46 8 16	113 38 51	1.50	.20	1.00	.15	300	N	N	N	20	500	2.0	N
MEM4312S	46 8 17	113 38 59	1.00	.20	1.50	.15	500	<.5	N	N	20	300	3.0	N
MEM4314S	46 8 55	113 37 39	1.50	.30	1.50	.20	300	N	N	N	30	300	2.0	N
MEM5216S	46 13 55	113 44 41	.70	.15	.20	.15	1,500	N	N	N	20	300	5.0	N
MEM5217S	46 13 27	113 44 45	1.50	.70	.50	.20	1,000	N	N	N	70	700	3.0	N
MEM5219S	46 13 26	113 43 33	.70	.20	.20	.15	500	N	N	N	50	300	2.0	N
MEM5221S	46 14 11	113 42 22	1.00	.30	.20	.20	300	N	N	N	70	500	2.0	N
MEM5223S	46 10 32	113 41 18	.70	.15	1.00	.15	500	N	N	N	10	300	3.0	N
MEM5225S	46 11 5	113 40 37	1.50	.30	.70	.20	300	N	N	N	50	500	2.0	N
MEM5227S	46 11 31	113 41 13	1.50	.50	1.00	.20	300	.7	N	N	20	500	3.0	N
MEM5230S	46 12 30	113 42 6	3.00	.20	1.50	.20	1,000	N	N	N	<10	300	2.0	N
MEM5262S	46 9 0	113 38 52	2.00	.30	1.50	.20	5,000	N	N	N	15	500	5.0	N

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LATITUDE 46°00'-46°30' LONGITUDE 113°30'-114 00'

TABLE 3. STREAM-SEDIMENT SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°X2° CUSMAP QUADRANGLE,MONTANA (cont)

SAMPLE	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SM	S-SR	S-V	S-W	S-Y	S-ZN
MAU5278S	N	7	15	15	30	<5	<20	15	30	N	5	N	200	30	N	20	N
MAU5280S	N	7	15	15	30	N	N	30	30	N	5	N	300	30	N	20	N
MAU5282S	N	10	70	15	30	N	N	20	20	N	7	N	300	50	N	20	N
MAU5296S	N	10	<10	7	30	N	<20	7	30	N	<5	N	N	30	N	20	N
MAU5298S	N	7	20	15	30	N	<20	20	20	N	7	N	N	30	N	30	N
MAU5300S	N	<5	20	15	30	N	N	10	30	N	5	N	N	30	N	30	N
MAU5302S	N	5	15	15	50	N	<20	5	30	N	7	N	N	30	N	30	N
MAU5304S	N	7	15	15	70	N	<20	10	30	N	7	N	100	50	N	30	N
MAU5306S	N	7	50	15	30	N	<20	7	30	N	7	N	<100	50	N	30	N
MAU5308S	N	5	15	10	30	N	<20	7	30	N	7	N	<100	30	N	20	N
MAU5347S	N	7	15	20	50	N	<20	15	30	N	7	N	N	50	N	30	N
MAU5349S	N	7	15	20	30	N	<20	10	30	N	7	N	N	50	N	20	N
MAU5351S	N	5	10	<5	20	N	<20	7	30	N	5	N	N	20	N	15	N
MEM0896S	N	7	15	7	200	N	<20	5	50	N	7	N	300	30	N	50	N
MEM0898S	N	5	15	<5	20	N	<20	7	50	N	7	N	300	30	N	300	N
MEM1261S	N	5	20	<5	30	N	<20	10	20	N	7	N	100	30	N	200	N
MEM1263S	N	7	50	<5	150	N	<20	10	30	N	15	N	300	50	N	70	N
MEM1800S	N	7	100	10	150	N	20	10	50	N	20	N	300	150	N	150	N
MEM1802S	N	5	20	<5	100	N	20	7	50	N	10	N	300	50	N	100	N
MEM1804S	N	5	20	<5	300	N	<20	10	50	N	10	N	300	50	N	100	N
MEM1806S	N	10	70	10	20	N	<20	15	20	N	15	N	300	100	N	30	N
MEM2329S	N	7	20	7	50	N	<20	7	30	N	7	N	300	50	N	70	N
MEM2331S	N	<5	<10	<5	20	N	N	5	50	N	7	N	100	20	N	30	N
MEM2333S	N	7	15	7	150	N	<20	10	50	N	7	N	200	300	N	50	N
MEM2335S	N	7	15	15	100	N	<20	7	50	N	7	N	300	30	N	70	N
MEM2708S	N	7	10	<5	300	N	N	7	50	N	N	N	100	30	N	30	N
MEM2710S	N	7	15	7	200	5	<20	7	50	N	5	N	300	30	N	30	N
MEM2712S	N	7	20	7	20	N	<20	7	50	N	7	N	300	30	N	15	N
MEM2713S	N	7	10	7	100	N	N	7	30	N	<5	N	300	20	N	70	N
MEM2715S	N	10	30	15	300	N	<20	10	30	N	10	N	300	70	N	50	N
MEM3388S	N	5	10	<5	100	N	<20	5	30	N	5	N	300	20	N	100	N
MEM4241S	N	7	15	10	20	N	N	7	20	N	5	N	N	30	N	30	N
MEM4308S	N	N	15	15	30	N	N	5	30	N	7	N	<100	50	N	30	N
MEM4310S	N	5	15	7	30	N	<20	7	30	N	5	N	300	30	N	30	N
MEM4312S	N	7	<10	10	30	N	<20	7	30	N	5	N	300	20	N	30	N
MEM4314S	N	5	15	5	70	N	<20	7	30	N	7	N	200	30	N	30	N
MEM5216S	N	7	10	10	30	N	N	5	50	N	5	N	<100	50	N	20	N
MEM5217S	N	7	10	5	30	N	<20	7	50	N	5	N	150	30	N	20	N
MEM5219S	N	5	<10	7	30	N	N	5	30	N	5	N	N	20	N	20	N
MEM5221S	N	5	15	5	30	N	<20	7	30	N	5	N	<100	20	N	20	N
MEM5223S	N	5	10	7	50	N	<20	5	30	N	5	N	200	20	N	20	N
MEM5225S	N	7	15	5	50	N	<20	7	30	N	7	N	150	30	N	20	N
MEM5227S	N	7	15	10	30	N	<20	10	50	N	7	N	200	30	N	30	N
MEM5230S	N	7	20	7	70	N	<20	5	30	N	7	N	200	50	N	30	N
MEM5262S	N	7	10	10	50	N	<20	<5	30	N	5	N	300	30	N	50	N

CHAPTER F

TABLE 3. STREAM-SEDIMENT SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°X2° CUSMAP QUADRANGLE, MONTANA (cont.)

SAMPLE	S-ZR	S-TH	AA-CU	AA-PB	AA-ZN	AA-AG	AA-CD	AA-BI	AA-SB
MAU5278S	100	N	7.00	4.0	9.0	<.05	N	N	N
MAU5280S	100	N	6.00	3.0	10.0	<.05	<.05	N	N
MAU5282S	70	N	12.00	7.0	18.0	.05	.07	N	N
MAU5296S	300	N	5.00	5.0	1.0	<.05	.25	9.0	11.0
MAU5298S	200	N	10.00	5.0	8.0	.10	.06	1.0	3.0
MAU5300S	300	N	7.00	6.0	14.0	.10	.36	2.0	2.0
MAU5302S	150	N	8.00	8.0	12.0	N	.09	1.0	N
MAU5304S	300	N	7.00	5.0	5.0	N	.07	N	N
MAU5306S	300	N	5.00	7.0	7.0	N	<.05	N	N
MAU5308S	300	N	3.00	4.0	3.0	N	N	N	N
MAU5347S	100	N	15.00	13.0	15.0	N	.30	N	N
MAU5349S	200	N	19.00	19.0	54.0	N	.63	N	1.0
MAU5351S	200	N	3.00	4.0	9.0	N	.06	N	N
MEM0896S	100	N	.30	<.5	1.0	<.02	.03	<.5	<1.0
MEM0898S	150	N	.20	<.5	.8	<.02	.02	<.5	<1.0
MEM1261S	200	N	.40	<.5	.7	<.02	.02	<.5	<1.0
MEM1263S	150	N	.20	<.5	.6	<.02	<.02	<.5	<1.0
MEM1800S	300	N	.20	<.5	1.2	<.02	.02	<.5	<1.0
MEM1802S	200	N	.10	<.5	.8	<.02	.03	<.5	<1.0
MEM1804S	150	<100	.10	<.5	.6	<.02	.02	<.5	<1.0
MEM1806S	300	N	.20	<.5	1.2	<.02	.03	<.5	<1.0
MEM2329S	300	N	1.00	2.0	1.0	<.05	.14	N	1.0
MEM2331S	50	N	1.00	7.0	7.0	<.05	.51	N	1.0
MEM2333S	150	N	1.00	4.0	2.0	N	.20	N	1.0
MEM2335S	150	N	3.00	5.0	1.0	N	.17	N	1.0
MEM2708S	30	N	1.00	4.0	5.0	<.05	.25	N	N
MEM2710S	200	N	3.00	11.0	12.0	<.05	.37	N	N
MEM2712S	70	N	2.00	6.0	5.0	<.05	.29	N	N
MEM2713S	50	N	4.00	5.0	6.0	<.05	.29	N	N
MEM2715S	200	N	9.00	8.0	17.0	.10	.53	N	N
MEM3388S	150	N	2.00	4.0	15.0	<.05	N	N	N
MEM4241S	300	N	5.00	9.0	6.0	<.05	.32	1.0	N
MEM4308S	100	N	19.00	9.0	15.0	.40	.10	1.0	N
MEM4310S	100	N	4.00	5.0	8.0	.13	.08	1.0	N
MEM4312S	300	N	5.00	7.0	11.0	.19	.14	2.0	N
MEM4314S	200	N	3.00	5.0	8.0	<.05	N	N	N
MEM5216S	150	N	8.00	22.0	27.0	.13	.38	1.0	2.0
MEM5217S	200	N	2.00	4.0	9.0	.06	.09	1.0	1.0
MEM5219S	200	N	2.00	6.0	12.0	<.05	.08	N	N
MEM5221S	300	N	2.00	4.0	7.0	<.05	N	N	N
MEM5223S	100	N	2.00	4.0	7.0	<.05	N	N	N
MEM5225S	300	N	2.00	4.0	8.0	<.05	N	N	N
MEM5227S	300	N	2.00	5.0	6.0	<.05	.10	N	N
MEM5230S	300	N	13.00	10.0	12.0	.07	.17	N	N
MEM5262S	500	N	4.00	6.0	16.0	.08	.05	N	N

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LATITUDE 46°00'-46°30' LONGITUDE 113°30'-114 00'

TABLE 3. STREAM-SEDIMENT SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°X2° CUSMAP QUADRANGLE,MONTANA (cont.)

SAMPLE	LATITUDE	LONGITUDE	S-FEX	S-MGX	S-CAX	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE	S-BI
MEM5284S	46 12 49	113 41 51	5.00	2.00	2.00	.30	500	N	N	N	N	700	<1.0	N
MEM5286S	46 12 46	113 41 52	2.00	.70	2.00	.20	500	N	N	N	20	500	2.0	N
MEM5288S	46 13 38	113 41 43	.50	.15	.15	.15	150	N	N	N	100	500	3.0	N
MEM5290S	46 13 57	113 41 1	.70	.15	.30	.15	300	N	N	N	100	1,500	7.0	N
MEM5292S	46 14 29	113 39 28	1.00	.20	.07	.30	150	N	N	N	150	300	2.0	N
MEM5294S	46 14 26	113 38 50	.50	.20	.50	.15	300	N	N	N	100	700	3.0	N
MOL0508S	46 0 1	113 36 17	1.00	.30	.20	.20	200	N	N	N	150	700	2.0	N
MOL0510S	46 0 17	113 36 11	2.00	.50	.70	.20	1,000	N	N	N	100	700	7.0	N
MOL0951S	46 5 16	113 36 53	1.00	.70	1.50	.10	300	N	N	N	50	700	1.5	N
MOL0952S	46 5 14	113 36 53	3.00	1.00	1.00	.20	1,000	<.5	N	N	100	1,000	5.0	N
MOL0953S	46 5 32	113 36 26	1.50	.30	1.50	.15	500	<.5	N	N	50	700	7.0	N
MOL0954S	46 5 44	113 36 2	.30	.15	1.00	.07	150	N	N	N	50	500	7.0	N
MOL0956S	46 5 43	113 36 5	2.00	.50	.70	.20	200	N	N	N	150	1,000	2.0	N
MOL0957S	46 5 49	113 35 43	3.00	.70	.50	.20	700	N	N	N	100	1,000	2.0	N
MOL1291S	46 2 39	113 32 13	1.50	.30	.30	.20	300	N	N	N	100	1,000	1.5	N
MOL1296S	46 0 28	113 34 10	.70	.20	.15	.15	300	N	N	N	10	700	2.0	N
MOL1298S	46 0 25	113 34 7	1.50	.50	.15	.20	300	N	N	N	70	1,000	1.5	N
MOL1300S	46 1 18	113 36 40	3.00	.70	.30	.30	700	N	N	N	70	1,000	3.0	N
MOL1302S	46 1 31	113 37 17	1.50	.30	.50	.20	1,000	<.5	N	N	100	1,000	2.0	N
MOL1304S	46 1 33	113 37 19	2.00	.70	1.50	.20	1,000	<.5	N	N	30	700	1.5	N
MOL1306S	46 1 50	113 36 36	1.50	1.00	.50	.20	500	N	N	N	150	700	1.5	N
MOL1308S	46 3 55	113 32 46	1.50	.50	.20	.15	150	N	N	N	100	700	1.0	N
MOL1655S	46 1 54	113 33 54	3.00	.30	.30	.20	1,000	N	N	N	50	1,000	2.0	N
MOL1657S	46 2 2	113 33 43	1.50	.30	.15	.15	300	N	N	N	50	1,000	1.0	N
MOL1659S	46 2 6	113 36 49	1.00	.50	.70	.15	500	.7	N	N	100	700	3.0	N
MOL2338S	46 0 9	113 31 32	2.00	1.50	1.50	.30	500	<.5	N	N	N	2,000	2.0	N
MOL2340S	46 0 17	113 31 36	1.50	.70	1.00	.30	1,000	N	N	N	200	1,500	5.0	N
MOL2341S	46 0 48	113 31 30	.10	.15	2.00	.03	1,000	N	N	N	20	1,500	2.0	N
MOL2343S	46 1 15	113 31 31	1.50	.50	.70	.30	700	N	N	N	100	2,000	7.0	N
MOL2345S	46 1 28	113 31 18	2.00	1.00	1.50	.20	1,000	N	N	N	150	1,000	5.0	N
MOL2346S	46 2 5	113 30 40	2.00	.70	1.50	.30	1,000	1.0	N	N	150	1,500	7.0	N
MOL2348S	46 1 59	113 31 20	2.00	1.00	1.50	.30	500	<.5	N	N	150	1,500	5.0	N
MOL2350S	46 1 56	113 31 27	1.50	1.00	1.00	.30	150	<.5	N	N	200	1,000	3.0	N
MOL2352S	46 3 6	113 32 16	1.50	.50	.20	.30	200	N	N	N	150	1,000	1.5	N
MOL2358S	46 4 0	113 32 15	1.50	.70	.70	.15	300	N	N	N	200	1,500	3.0	N
MOL2360S	46 3 1	113 34 48	2.00	1.00	1.50	.20	700	N	N	N	200	1,500	3.0	N
MOL2361S	46 3 6	113 36 10	2.00	.50	1.50	.30	1,000	1.0	N	N	150	1,500	10.0	N
MOL2363S	46 3 7	113 36 10	2.00	1.00	2.00	.30	700	<.5	N	N	200	1,000	3.0	N
MOL2365S	46 2 59	113 36 6	.70	.30	1.00	.15	500	<.5	N	N	70	1,500	3.0	N
MOL2366S	46 3 18	113 35 36	3.00	.70	.70	.30	1,500	N	N	N	200	1,500	3.0	N
MOL2368S	46 4 5	113 35 22	2.00	.70	1.00	.30	1,500	N	N	N	150	1,000	3.0	N
MOL2370S	46 4 8	113 35 8	3.00	.70	.70	.20	2,000	N	N	N	200	1,000	5.0	N
MOL2371S	46 3 27	113 33 36	2.00	.50	.70	.20	700	N	N	N	150	1,000	5.0	N
MOL2373S	46 7 4	113 35 18	3.00	.70	.70	.30	1,500	N	N	N	200	1,000	5.0	N
MOL2374S	46 6 28	113 34 39	2.00	.50	.30	.30	1,000	N	N	N	200	700	3.0	N

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LATITUDE 46°00'-46°30' LONGITUDE 113°30'-114 00'

TABLE 3. STREAM-SEDIMENT SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°X2° CUSMAP QUADRANGLE, MONTANA (cont.)

SAMPLE	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN
MEM5284S	N	15	150	15	100	N	<20	70	30	N	10	N	300	70	N	30	N
MEM5286S	N	7	20	5	70	N	<20	10	30	N	7	N	300	50	N	50	N
MEM5288S	N	<5	<10	<5	20	N	N	<5	20	N	<5	N	N	20	N	15	N
MEM5290S	N	<5	<10	10	30	N	N	15	15	N	5	N	N	30	N	15	N
MEM5292S	N	<5	N	<5	20	N	N	5	20	N	<5	N	N	30	N	15	N
MEM5294S	N	<5	10	15	30	N	N	10	20	N	5	N	N	20	N	20	N
MOL0508S	N	<5	20	7	200	N	N	10	20	N	5	N	100	30	N	30	N
MOL0510S	N	7	20	20	50	N	N	20	30	N	10	N	100	50	N	100	N
MOL0951S	N	N	20	10	50	N	N	<5	20	N	7	N	100	30	N	20	N
MOL0952S	N	7	30	20	50	N	<20	15	20	N	10	N	100	50	N	50	N
MOL0953S	N	N	30	20	50	N	N	5	30	N	7	N	100	30	N	70	N
MOL0954S	N	N	15	15	30	N	N	<5	20	N	<5	N	<100	30	N	70	N
MOL0956S	N	5	20	5	200	N	<20	<5	20	N	5	N	<100	30	N	30	N
MOL0957S	N	7	70	20	30	N	<20	20	30	N	10	N	<100	50	N	50	N
MOL1291S	N	5	15	10	30	N	<20	10	20	N	7	N	<100	30	N	30	N
MOL1296S	N	7	15	20	30	N	<20	7	30	N	5	N	<100	30	N	20	N
MOL1298S	N	7	50	10	30	N	<20	10	20	N	7	N	<100	30	N	20	N
MOL1300S	N	10	50	20	50	N	<20	20	30	N	15	N	150	50	N	50	N
MOL1302S	N	10	20	20	70	N	<20	15	30	N	7	N	100	30	N	30	N
MOL1304S	N	7	50	20	30	N	<20	15	30	N	10	N	150	50	N	30	N
MOL1306S	N	7	30	15	50	N	<20	15	20	N	7	N	<100	30	N	30	N
MOL1308S	N	<5	20	<5	30	N	<20	7	15	N	5	N	N	30	N	20	N
MOL1655S	N	10	20	15	30	N	<20	10	30	N	7	N	100	30	N	20	N
MOL1657S	N	7	50	15	20	N	<20	15	20	N	7	N	N	30	N	20	N
MOL1659S	N	5	30	15	30	N	<20	10	15	N	7	N	<100	30	N	30	N
MOL2338S	N	7	100	30	20	N	<20	15	100	N	7	N	N	50	N	30	N
MOL2340S	N	5	30	15	30	N	<20	15	30	N	5	N	N	50	N	30	N
MOL2341S	N	N	10	15	30	N	<20	<5	20	N	<5	N	N	15	N	30	N
MOL2343S	N	5	15	15	30	N	<20	15	30	N	7	N	N	50	N	20	N
MOL2345S	N	7	30	15	30	N	<20	15	50	N	5	N	N	30	N	30	N
MOL2346S	N	7	70	20	30	N	<20	15	50	N	5	N	300	50	N	30	N
MOL2348S	N	7	70	20	70	N	<20	15	70	N	5	N	300	50	N	30	N
MOL2350S	N	5	70	20	30	N	<20	15	50	N	5	N	<100	50	N	20	N
MOL2352S	N	5	15	15	30	N	<20	7	30	N	5	N	N	30	N	20	N
MOL2358S	N	<5	50	15	70	N	<20	7	50	N	5	N	200	30	N	20	N
MOL2360S	N	7	20	15	30	N	<20	10	30	N	7	N	N	50	N	30	N
MOL2361S	N	<5	20	30	50	N	<20	15	50	N	10	N	<100	50	N	100	N
MOL2363S	N	5	30	20	50	N	<20	10	30	N	7	N	N	50	N	50	N
MOL2365S	N	<5	15	15	30	N	N	7	30	N	7	N	N	30	N	50	N
MOL2366S	N	7	30	15	30	N	<20	15	30	N	7	N	<100	50	N	30	N
MOL2368S	N	7	50	15	30	N	<20	15	50	N	7	N	<100	50	N	30	N
MOL2370S	N	10	50	15	50	N	<20	20	30	N	7	N	<100	50	N	30	N
MOL2371S	N	7	50	15	50	N	<20	20	30	N	7	N	<100	50	N	30	N
MOL2373S	N	15	70	20	50	N	<20	30	50	N	10	N	<100	70	N	50	N
MOL2374S	N	7	30	10	50	N	<20	15	30	N	7	N	<100	50	N	50	N

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LATITUDE 46°00'-46°30' LONGITUDE 113°30'-114 00'

TABLE 3. STREAM-SEDIMENT SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°X2° CUSMAP QUADRANGLE, MONTANA (cont.)

SAMPLE	S-ZR	S-TH	AA-CU	AA-PB	AA-ZN	AA-AG	AA-CB	AA-BI	AA-SB
MEM5284S	300	N	2.00	3.0	6.0	<.05	.19	1.0	1.0
MEM5286S	200	N	1.00	3.0	5.0	<.05	N	1.0	1.0
MEM5288S	300	N	3.00	4.0	5.0	<.05	.10	N	N
MEM5290S	100	N	--	--	--	--	--	--	--
MEM5292S	300	N	2.00	2.0	4.0	N	<.05	N	N
MEM5294S	100	N	13.00	6.0	5.0	<.05	.14	N	N
MOL0508S	300	N	.20	<.5	<.5	<.02	.04	<.5	<1.0
MOL0510S	150	N	1.00	1.0	1.1	<.02	.07	<.5	<1.0
MOL0951S	100	N	.50	.5	.5	<.02	.02	<.5	<1.0
MOL0952S	150	N	1.10	1.0	.5	.03	.05	<.5	<1.0
MOL0953S	50	N	1.60	1.5	.7	.03	.05	<.5	<1.0
MOL0954S	50	N	1.80	1.0	1.2	.02	.06	<.5	<1.0
MOL0956S	700	N	.40	<.5	.3	.02	<.02	<.5	<1.0
MOL0957S	200	N	1.10	1.0	.8	.02	.02	<.5	<1.0
MOL1291S	150	N	1.20	1.0	.8	<.02	.02	<.5	<1.0
MOL1296S	150	N	1.20	1.0	.8	<.02	.03	<.5	<1.0
MOL1298S	300	N	.80	.5	<.5	<.02	.02	<.5	<1.0
MOL1300S	100	N	1.50	1.5	1.0	<.02	.02	<.5	<1.0
MOL1302S	200	N	1.10	2.5	1.3	.04	.17	<.5	<1.0
MOL1304S	300	N	.90	2.0	19.0	.04	2.20	<.5	<1.0
MOL1306S	200	N	.80	1.5	1.3	.03	.02	<.5	<1.0
MOL1308S	500	N	.40	<.5	.6	<.02	<.02	<.5	<1.0
MOL1655S	150	N	1.00	1.5	1.4	.02	.06	<.5	<1.0
MOL1657S	>1,000	N	.70	.8	.9	.02	.05	<.5	<1.0
MOL1659S	150	N	1.00	1.1	1.1	.07	.06	<.5	<1.0
MOL2338S	300	N	25.00	48.0	35.0	.26	.36	9.0	N
MOL2340S	200	N	8.00	11.0	19.0	.09	.33	2.0	N
MOL2341S	30	N	33.00	23.0	31.0	.25	.75	2.0	2.0
MOL2343S	300	N	9.00	11.0	13.0	.07	.76	1.0	N
MOL2345S	200	N	8.00	17.0	17.0	.16	.41	N	N
MOL2346S	300	N	20.00	29.0	16.0	.56	.51	N	N
MOL2348S	500	N	17.00	17.0	46.0	.22	1.35	1.0	N
MOL2350S	300	N	11.00	17.0	21.0	.17	.31	N	N
MOL2352S	500	N	3.00	5.0	4.0	.05	.27	N	N
MOL2358S	200	N	7.00	21.0	13.0	.12	.25	N	N
MOL2360S	300	N	6.00	9.0	8.0	.16	.31	N	N
MOL2361S	150	N	23.00	23.0	13.0	.61	.93	N	1.0
MOL2363S	300	N	11.00	14.0	13.0	.37	.54	N	N
MOL2365S	70	N	10.00	13.0	35.0	.24	1.00	10.0	1.0
MOL2366S	300	N	8.00	14.0	8.0	.17	.26	3.0	N
MOL2368S	300	N	8.00	15.0	15.0	.12	.36	1.0	N
MOL2370S	300	N	7.00	11.0	12.0	.07	.31	N	N
MOL2371S	300	N	11.00	12.0	12.0	.06	.51	N	N
MOL2373S	200	N	15.00	19.0	46.0	.12	.61	9.0	1.0
MOL2374S	300	N	5.00	7.0	8.0	<.05	.19	2.0	N

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LATITUDE 46°00'-46°30' LONGITUDE 113°30'-114 00'

TABLE 3. STREAM-SEDIMENT SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°X2° CUSMAP QUADRANGLE, MONTANA (cont.)

SAMPLE	LATITUDE	LONGITUDE	S-FEX	S-MGX	S-CAZ	S-TIX	S-MN	S-A6	S-AS	S-AU	S-B	S-BA	S-BE	S-BI
MOL2376S	46 6 32	113 34 42	1.50	.50	.30	.20	700	N	N	N	150	700	5.0	N
MOL2378S	46 6 36	113 34 41	3.00	.70	.50	.30	1,500	N	N	N	200	1,500	7.0	N
MOL2379S	46 6 42	113 35 45	3.00	.30	1.00	.30	3,000	N	N	N	70	1,000	7.0	N
MOL2381S	46 6 32	113 35 35	1.50	.50	.70	.20	200	<.5	N	N	150	1,500	2.0	N
MOL2382S	46 6 55	113 35 44	2.00	.50	1.00	.30	300	N	N	N	150	1,000	3.0	N
MOL2554S	46 2 6	113 30 42	3.00	1.00	1.50	.30	1,000	.5	N	N	50	700	5.0	N
MOL2557S	46 1 59	113 31 21	2.00	.70	1.50	.15	300	<.5	N	N	70	700	3.0	N
MOL4316S	46 6 43	113 31 55	1.50	.30	.30	.30	200	N	N	N	100	500	1.5	N
MOL4318S	46 5 34	113 32 37	.50	.10	.20	.15	200	N	N	N	30	300	5.0	N
MOL4320S	46 6 30	113 32 41	1.50	.50	.30	.30	700	N	N	N	70	700	5.0	N
MOL5324S	46 4 25	113 31 26	3.00	.30	.70	.30	1,500	1.5	N	N	70	1,500	2.0	N
MOL5326S	46 4 51	113 30 32	1.50	.30	.50	.30	300	N	N	N	100	1,000	3.0	N
MOL5328S	46 4 29	113 30 21	1.50	.30	.50	.30	500	N	N	N	100	1,000	3.0	N
MOL5330S	46 4 17	113 30 22	2.00	.50	.30	.30	300	N	N	N	100	1,500	3.0	N
MOL5332S	46 5 12	113 30 14	1.50	.30	.50	.20	300	<.5	N	N	100	1,000	3.0	N
MOL5334S	46 6 31	113 30 10	1.50	.30	15.00	.20	300	<.5	N	N	150	1,000	3.0	N
QUI0516S	46 25 37	113 39 23	2.00	.30	.50	.30	300	N	N	N	70	700	7.0	N
QUI0517S	46 25 36	113 39 20	3.00	.50	.50	.20	700	N	N	N	100	1,000	7.0	N
QUI0518S	46 25 32	113 39 33	5.00	.70	.70	.30	700	N	N	N	100	1,500	10.0	N
QUI0521S	46 25 2	113 40 59	3.00	.70	.70	.30	500	N	N	N	100	1,500	10.0	N
QUI0523S	46 24 39	113 41 50	3.00	.70	.70	.20	300	N	N	N	100	1,500	7.0	N
QUI0542S	46 27 0	113 37 41	3.00	.50	.50	.20	700	N	N	N	70	1,000	7.0	N
QUI0544S	46 28 12	113 40 53	2.00	.30	.70	.20	500	<.5	N	N	150	1,500	3.0	N
QUI0550S	46 28 10	113 42 29	3.00	.50	.70	.30	500	<.5	N	N	100	1,500	5.0	N
QUI0552S	46 27 45	113 43 45	3.00	.50	.50	.30	500	.7	N	N	100	1,500	5.0	N
QUI0554S	46 27 42	113 44 49	3.00	.50	.70	.20	500	.5	N	N	100	2,000	5.0	N
QUI0555S	46 26 27	113 39 22	3.00	.50	.50	.20	700	N	N	N	100	1,500	7.0	N
QUI0556S	46 26 29	113 39 25	3.00	.50	.50	.20	700	N	N	N	100	2,000	7.0	N
QUI1216S	46 26 26	113 37 32	3.00	.50	.70	.20	1,000	N	N	N	70	2,000	7.0	N
QUI1600S	46 28 36	113 38 36	2.00	.30	.70	.20	700	N	N	N	150	1,000	7.0	N
QUI1602S	46 28 38	113 38 37	1.00	.20	.20	.15	200	N	N	N	100	1,000	5.0	N
QUI1604S	46 29 3	113 38 2	1.50	.30	.30	.15	300	N	N	N	100	1,000	3.0	N
QUI1824S	46 26 10	113 41 50	3.00	.70	.70	.30	1,000	N	N	N	150	2,000	2.0	N
QUI1826S	46 25 32	113 42 7	2.00	.50	.70	.20	700	<.5	N	N	100	2,000	5.0	N
QUI1919S	46 29 28	113 41 21	.70	.30	.70	.07	700	<.5	N	N	50	1,000	2.0	N
QUI1921S	46 29 30	113 41 20	2.00	.30	.50	.20	700	N	N	N	200	1,500	2.0	N
QUI2399S	46 23 23	113 39 22	1.00	.50	.70	.15	100	N	N	N	100	1,500	2.0	N
QUI2731S	46 26 8	113 44 47	2.00	.70	1.00	.30	300	.7	N	N	100	1,500	5.0	N
QUI2733S	46 25 54	113 44 24	3.00	.70	.70	.20	500	.7	N	N	100	700	7.0	N
QUI2734S	46 25 56	113 43 27	1.00	.20	1.00	.20	2,000	<.5	N	N	100	1,500	5.0	N
QUI2736S	46 25 19	113 42 49	2.00	.50	.50	.30	500	N	N	N	150	1,500	2.0	N
QUI2738S	46 24 44	113 42 17	1.50	.30	.70	.30	700	<.5	N	N	150	2,000	3.0	N
QUI2740S	46 24 35	113 41 55	1.50	.70	.70	.20	300	<.5	N	N	200	1,000	7.0	N
QUI2742S	46 24 4	113 42 0	1.50	.30	.30	.30	300	1.0	N	N	150	1,500	2.0	N
QUI2758S	46 24 46	113 42 41	1.00	.30	1.00	.15	1,000	<.5	N	N	20	500	7.0	N

CHAPTER F

LATITUDE 46°00'–46°30' LONGITUDE 113°30'–114°00'

TABLE 3. STREAM-SEDIMENT SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°X2° CUSMAP QUADRANGLE MONTANA (cont)

SAMPLE	S-CD	S-CO	S-LR	S-LU	S-LX	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN
MOL2376S	N	7	20	10	30	5	<20	20	30	N	5	N	N	30	N	50	N
MOL2378S	N	15	70	20	50	5	<20	50	50	N	10	N	<100	70	N	150	N
MOL2379S	N	10	20	20	70	5	<20	15	30	N	10	N	N	70	N	70	N
MOL2381S	N	5	50	7	30	N	<20	7	20	N	5	N	N	30	N	20	N
MOL2382S	N	7	50	20	150	N	<20	10	30	N	7	N	<100	50	N	70	N
MOL2554S	N	7	50	30	200	N	<20	30	50	N	7	N	300	70	N	30	N
MOL2557S	N	5	50	20	30	N	N	15	50	N	<5	N	300	50	N	50	N
MOL4316S	N	7	15	7	30	N	<20	10	30	N	7	N	<100	30	N	30	N
MOL4318S	N	N	<10	10	30	N	N	5	30	N	5	N	N	30	N	50	N
MOL4320S	N	10	30	20	50	N	<20	20	30	N	7	N	<100	50	N	70	N
MOL5324S	N	7	20	20	30	N	<20	7	30	N	7	N	100	50	N	20	N
MOL5326S	N	7	15	30	30	N	<20	10	30	N	7	N	N	30	N	30	N
MOL5328S	N	7	15	50	30	N	<20	10	30	N	7	N	<100	50	N	30	N
MOL5330S	N	7	15	30	30	N	<20	10	30	N	7	N	<100	50	N	30	N
MOL5332S	N	5	15	30	50	N	<20	15	30	N	7	N	<100	30	N	30	N
MOL5334S	N	5	20	20	30	N	<20	10	30	N	7	N	<100	30	N	30	N
QUI0516S	N	7	50	20	30	N	N	20	15	N	15	N	<100	50	N	70	N
QUI0517S	N	10	50	30	50	N	N	30	20	N	10	N	<100	50	N	70	N
QUI0518S	N	15	70	30	50	N	N	50	20	N	20	N	<100	70	N	100	N
QUI0521S	N	10	50	30	50	N	<20	50	20	N	15	N	<100	50	N	70	N
QUI0523S	N	7	50	20	30	N	<20	50	15	N	15	N	<100	50	N	70	N
QUI0542S	N	10	70	30	50	N	N	30	20	N	15	N	100	50	N	70	N
QUI0544S	N	7	30	20	30	N	N	20	20	N	10	N	<100	50	N	30	N
QUI0550S	N	7	50	20	50	N	N	20	20	N	15	N	<100	50	N	30	N
QUI0552S	N	7	50	20	30	N	N	30	20	N	15	N	<100	50	N	50	N
QUI0554S	N	7	70	15	30	N	<20	30	20	N	10	N	<100	50	N	50	N
QUI0555S	N	10	50	20	30	N	<20	50	20	N	15	N	<100	50	N	70	N
QUI0556S	N	10	50	30	30	N	N	30	20	N	15	N	100	70	N	70	N
QUI1216S	N	7	50	20	30	N	N	30	20	N	10	N	100	50	N	100	300
QUI1600S	N	N	50	15	30	N	N	5	50	N	7	N	100	30	N	30	N
QUI1602S	N	5	15	7	20	N	<20	10	20	N	5	N	<100	30	N	20	N
QUI1604S	N	5	15	10	20	N	N	15	20	N	5	N	<100	30	N	30	N
QUI1824S	N	7	50	20	50	N	<20	20	30	N	15	N	<100	70	N	70	N
QUI1826S	N	<5	30	20	30	N	<20	15	20	N	10	N	<100	70	N	70	N
QUI1919S	N	N	15	20	20	N	N	5	20	N	<5	N	<100	30	N	15	N
QUI1921S	N	5	70	50	30	N	<20	15	20	N	10	N	<100	70	N	30	N
QUI2399S	N	5	10	10	50	N	<20	15	20	N	5	N	N	30	N	30	N
QUI2731S	N	7	70	20	30	N	<20	15	30	N	7	N	<100	50	N	50	N
QUI2733S	N	7	100	15	30	N	<20	15	30	N	7	N	<100	50	N	20	N
QUI2734S	N	5	50	30	30	N	N	10	50	N	7	N	<100	50	N	20	N
QUI2736S	N	7	50	15	50	N	<20	15	30	N	7	N	N	50	N	30	N
QUI2738S	N	5	70	15	50	N	N	10	30	N	7	N	<100	30	N	30	N
QUI2740S	N	7	70	15	30	N	<20	20	30	N	7	N	<100	30	N	30	N
QUI2742S	N	5	100	15	30	N	<20	10	30	N	7	N	<100	30	N	30	N
QUI2758S	N	<5	15	7	30	N	<20	5	30	N	5	N	200	30	N	20	N

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TABLE 3. STREAM-SEDIMENT SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°X2° CUSMAP QUADRANGLE, MONTANA (cont)

SAMPLE	S-ZR	S-TH	AA-CU	AA-PB	AA-ZN	AA-AG	AA-CB	AA-BI	AA-SB
MOL2376S	300	N	7.00	7.0	7.0	.05	.30	3.0	5.0
MOL2378S	300	N	17.00	20.0	17.0	.11	.35	8.0	1.0
MOL2379S	200	N	35.00	6.0	59.0	.26	.95	9.0	21.0
MOL2381S	300	N	4.00	5.0	5.0	.06	.18	3.0	5.0
MOL2382S	500	N	8.00	7.0	7.0	.07	.21	1.0	1.0
MOL2554S	150	N	20.00	28.0	10.0	.63	.45	1.0	1.0
MOL2557S	150	N	15.00	15.0	40.0	.23	1.20	1.0	<1.0
MOL4316S	300	N	4.00	6.0	4.0	<.05	<.05	N	N
MOL4318S	70	N	15.00	15.0	17.0	.06	.53	1.0	2.0
MOL4320S	150	N	6.00	5.0	8.0	<.05	.07	N	N
MOL5324S	200	N	8.00	14.0	45.0	N	.19	N	N
MOL5326S	300	N	26.00	7.0	11.0	N	.11	N	N
MOL5328S	200	N	36.00	8.0	11.0	N	.20	N	N
MOL5330S	300	N	39.00	6.0	7.0	N	.10	N	N
MOL5332S	200	N	31.00	6.0	7.0	N	.10	N	N
MOL5334S	300	N	22.00	10.0	10.0	N	.17	N	N
QUI0516S	200	N	2.00	.6	1.7	<.02	.04	<.5	<1.0
QUI0517S	200	N	2.20	1.0	1.7	<.02	.04	<.5	<1.0
QUI0518S	300	N	2.80	.5	.6	<.02	.03	<.5	<1.0
QUI0521S	200	N	.40	1.0	1.8	<.02	.04	<.5	<1.0
QUI0523S	300	N	.30	.5	.8	<.02	.06	<.5	<1.0
QUI0542S	200	N	1.80	.7	1.4	<.02	.05	<.5	<1.0
QUI0544S	150	N	.20	<.5	<.5	<.02	.02	<.5	<1.0
QUI0550S	200	N	.70	<.5	.5	.02	.03	<.5	<1.0
QUI0552S	300	N	.90	<.5	.9	.04	.03	<.5	<1.0
QUI0554S	300	N	1.00	.5	.9	.03	.03	<.5	<1.0
QUI0555S	200	N	2.00	1.0	1.3	<.02	.03	<.5	1.0
QUI0556S	200	N	2.10	.7	1.5	<.02	.03	<.5	<1.0
QUI1216S	150	N	1.60	1.3	1.0	<.02	.06	<.5	<1.0
QUI1600S	100	N	.70	2.0	1.5	<.02	.09	<.5	<1.0
QUI1602S	150	N	.50	1.2	.8	<.02	.06	--	<1.0
QUI1604S	1,000	N	.90	1.4	.5	<.02	.07	--	<1.0
QUI1824S	500	N	1.00	1.2	.7	<.02	.03	<.5	<1.0
QUI1826S	150	N	1.30	1.0	1.5	<.02	.03	<.5	<1.0
QUI1919S	100	N	3.50	3.0	.8	.06	.04	<.5	<1.0
QUI1921S	200	N	4.00	1.0	.8	.02	.03	<.5	<1.0
QUI2399S	300	N	5.00	3.0	4.0	.08	<.05	8.0	N
QUI2731S	300	N	11.00	9.0	7.0	.51	.23	1.0	N
QUI2733S	300	N	8.00	8.0	14.0	.39	.55	3.0	1.0
QUI2734S	200	N	40.00	35.0	110.0	.31	1.50	3.0	2.0
QUI2736S	300	N	5.00	6.0	5.0	.06	.20	N	1.0
QUI2738S	500	N	7.00	9.0	10.0	.06	.30	N	1.0
QUI2740S	200	N	5.00	4.0	4.0	<.05	.15	N	1.0
QUI2742S	300	N	6.00	7.0	11.0	.06	.13	N	N
QUI2758S	200	N	3.00	8.0	8.0	.77	.31	N	N

CHAPTER F

LATITUDE 46°00'-46°30' LONGITUDE 113°30'-114 00'

TABLE 3. STREAM-SEDIMENT SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°X2° CUSMAP QUADRANGLE,MONTANA (cont)

SAMPLE	LATITUDE	LONGITUDE	S-FEX	S-MGX	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE	S-BI
QUI2760S	46 24 24	113 42 14	1.50	.30	1.50	.20	500	1.0	N	N	50	500	5.0	N
QUI2762S	46 23 47	113 41 20	2.00	.30	1.00	1.00	1,000	N	N	N	50	500	3.0	N
QUI2764S	46 22 43	113 40 20	2.00	.50	1.00	.20	1,500	N	N	N	200	1,500	5.0	N
QUI2766S	46 22 55	113 40 13	1.50	.50	.50	.20	300	<.5	N	N	100	700	3.0	N
QUI2767S	46 23 22	113 40 57	2.00	.70	.30	.30	700	<.5	N	N	70	500	3.0	N
QUI3201S	46 22 52	113 38 59	1.00	.30	1.50	.15	500	N	N	N	100	2,000	7.0	N
QUI3203S	46 22 35	113 38 35	3.00	1.00	1.00	.20	1,000	N	N	N	200	1,000	7.0	N
QUI4243S	46 22 47	113 43 17	1.50	.20	.70	.20	300	N	N	N	15	500	3.0	N
QUI4245S	46 23 29	113 42 21	1.50	.15	.70	.20	700	N	N	N	10	300	5.0	N
S0033S	46 15 24	113 31 47	3.00	1.00	1.50	.50	1,500	N	N	N	70	1,000	2.0	N
S0035S	46 15 21	113 31 52	5.00	1.50	1.00	.50	1,000	N	N	N	70	500	1.5	N
S0037S	46 15 18	113 31 47	3.00	.70	1.00	.50	700	N	N	N	30	500	3.0	N
S0038S	46 18 58	113 36 13	2.00	.70	.70	.20	1,500	3.0	N	N	300	700	5.0	N
S0040S	46 19 10	113 34 36	2.00	.50	1.00	.30	700	N	N	N	30	1,000	2.0	N
S0045S	46 20 17	113 32 56	2.00	1.00	1.50	.20	1,000	N	N	N	50	700	3.0	N
S0047S	46 20 16	113 33 7	3.00	1.00	1.50	.30	1,500	N	N	N	70	1,000	3.0	N
S0049S	46 21 13	113 30 54	3.00	1.50	.50	.50	700	N	N	N	200	700	3.0	N
S0051S	46 20 58	113 31 3	3.00	1.50	.70	.30	700	N	N	N	100	700	2.0	N
S0053S	46 21 47	113 30 32	3.00	1.00	1.00	.20	1,000	N	N	N	70	700	2.0	N
S0055S	46 17 24	113 35 51	3.00	.70	1.00	.15	700	.5	N	N	70	500	5.0	N
S0056S	46 17 27	113 36 2	5.00	.50	.70	.20	3,000	N	N	N	100	1,000	7.0	N
S0058S	46 17 28	113 35 48	5.00	.50	1.00	.20	3,000	N	N	N	100	700	7.0	N
S0062S	46 16 19	113 43 7	1.50	.30	.70	.20	700	<.5	N	N	30	700	7.0	N
S0064S	46 17 35	113 41 8	1.50	1.00	.30	.20	150	N	N	N	30	300	1.0	N
SAM1356S	46 23 16	113 49 54	2.00	.70	.50	.20	200	N	N	N	200	500	2.0	N
SAM1718S	46 23 9	113 51 45	3.00	.70	.70	.30	500	N	N	N	150	700	3.0	N
SAM1744S	46 26 45	113 52 21	3.00	.50	1.00	.30	500	N	N	N	30	500	3.0	N
SAM2680S	46 29 56	113 49 23	3.00	.70	1.00	.50	500	N	N	N	70	1,000	5.0	N
SAM2681S	46 28 28	113 49 34	2.00	.50	1.00	.30	500	N	N	N	50	700	7.0	N
SAM2683S	46 28 44	113 49 47	3.00	.70	1.50	.50	700	N	N	N	50	700	5.0	N
SAM2685S	46 28 44	113 49 44	3.00	.70	1.50	.70	1,000	N	N	N	50	500	5.0	N
SAM2717S	46 29 39	113 46 40	3.00	1.00	2.00	.70	500	N	N	N	50	700	2.0	N
SAM2718S	46 29 15	113 46 18	1.00	.20	1.00	.30	1,500	<.5	N	N	50	700	3.0	N
SAM2719S	46 28 52	113 46 15	2.00	.70	.70	.50	300	N	N	N	70	1,500	2.0	N
SAM2720S	46 29 5	113 46 40	3.00	1.00	1.00	.50	700	N	N	N	70	1,000	5.0	N
SAM2721S	46 28 6	113 46 42	1.00	.50	.50	.30	300	N	N	N	70	700	2.0	N
SAM2723S	46 28 16	113 46 38	2.00	.70	1.00	.30	300	N	N	N	70	1,000	2.0	N
SAM2725S	46 27 20	113 46 2	1.50	.70	.50	.30	200	N	N	N	100	2,000	3.0	N
SAM2727S	46 27 6	113 46 3	1.50	.70	.50	.30	200	N	N	N	100	1,500	7.0	N
SAM2729S	46 26 35	113 45 24	2.00	.70	.70	.20	300	<.5	N	N	100	3,000	5.0	N
SAM4247S	46 26 14	113 50 24	1.50	.70	.70	.30	200	N	N	N	70	300	1.5	N
SAM4249S	46 26 32	113 49 30	1.50	.30	.70	.20	300	N	N	N	70	300	1.5	N
SAM4251S	46 26 59	113 49 21	1.50	.30	1.00	.50	300	<.5	N	N	50	300	2.0	N
SAM4252S	46 27 34	113 48 55	1.00	.30	.50	.30	300	N	N	N	50	700	1.5	N
SAM4253S	46 28 18	113 48 19	1.50	.50	.30	.30	150	N	N	N	30	500	1.5	N

CHAPTER F

LATITUDE 46°00'-46°30' LONGITUDE 113°30'-114 00'

TABLE 3. STREAM-SEDIMENT SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°X2° CUSMAP QUADRANGLE, MONTANA (cont.)

SAMPLE	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN
QUI2760S	N	<5	10	15	30	N	<20	10	50	N	5	N	300	20	N	150	N
QUI2762S	N	5	10	15	150	N	<20	7	30	N	5	N	100	30	N	30	N
QUI2764S	N	7	50	20	30	N	N	15	30	N	7	N	<100	50	N	30	N
QUI2766S	N	5	20	15	30	N	<20	15	30	N	5	N	<100	30	N	30	N
QUI2767S	N	7	70	10	30	N	<20	10	30	N	5	N	<100	50	N	20	N
QUI3201S	N	N	<10	15	50	N	N	10	20	N	5	N	N	30	N	50	N
QUI3203S	N	7	20	20	30	N	<20	30	20	N	7	N	N	50	N	50	N
QUI4243S	N	5	<10	7	70	N	N	5	30	N	5	N	300	20	N	50	N
QUI4245S	N	5	<10	7	300	N	<20	<5	30	N	<5	N	150	15	N	70	N
S0033S	N	7	30	30	30	N	N	20	30	N	7	N	300	70	N	30	N
S0035S	N	10	150	30	30	10	N	30	20	N	15	N	200	100	N	30	N
S0037S	N	10	70	20	30	N	N	15	20	N	10	N	200	100	N	20	N
S0038S	N	7	50	30	30	N	N	30	30	N	7	N	200	50	N	50	N
S0040S	N	7	50	15	30	N	N	20	30	N	5	N	300	50	N	<10	N
S0045S	N	7	50	20	30	N	N	10	50	N	7	N	100	70	N	30	N
S0047S	N	7	30	30	50	7	N	15	30	N	7	N	300	100	N	30	N
S0049S	N	10	50	70	50	N	<20	20	20	N	10	N	100	100	N	30	N
S0051S	N	7	30	30	50	N	N	10	20	N	7	N	<100	70	N	30	N
S0053S	N	7	100	30	30	N	N	30	20	N	5	N	200	50	N	15	N
S0055S	N	5	50	50	30	N	<20	30	15	N	15	N	N	70	N	50	N
S0056S	N	20	50	30	50	N	N	30	20	N	10	N	100	70	N	70	N
S0058S	N	20	50	30	50	N	N	50	20	N	10	N	100	50	N	70	N
S0062S	N	5	30	10	30	N	N	10	30	N	5	N	<100	30	N	20	N
S0064S	N	5	50	10	30	N	N	10	15	N	<5	N	N	30	N	20	N
SAM1356S	N	7	70	7	30	N	<20	20	10	N	10	N	<100	30	N	30	N
SAM1718S	N	5	30	10	30	N	<20	15	15	N	7	N	150	70	N	30	N
SAM1744S	N	5	50	70	50	<5	<20	30	20	N	10	N	100	70	N	70	N
SAM2680S	N	10	100	50	70	N	<20	50	20	N	15	N	150	100	N	70	N
SAM2681S	N	10	100	30	50	N	<20	50	30	N	10	N	150	70	N	100	N
SAM2683S	N	10	100	50	30	N	<20	50	20	N	15	N	150	100	N	50	N
SAM2685S	N	15	100	50	50	N	<20	70	20	N	15	N	200	100	N	50	N
SAM2717S	N	10	70	70	30	N	<20	20	20	N	10	N	150	100	N	30	N
SAM2718S	N	<5	50	30	30	N	N	5	70	N	7	N	<100	70	N	15	N
SAM2719S	N	7	100	15	50	N	<20	15	30	N	7	N	150	50	N	20	N
SAM2720S	N	10	100	70	100	N	<20	50	30	N	20	N	150	100	N	100	N
SAM2721S	N	5	20	7	30	N	<20	5	20	N	7	N	150	30	N	30	N
SAM2723S	N	7	50	20	30	N	<20	20	20	N	7	N	100	50	N	20	N
SAM2725S	N	5	100	7	30	N	<20	7	20	N	7	N	<100	50	N	20	N
SAM2727S	N	7	50	30	30	N	<20	30	30	N	10	N	<100	50	N	50	N
SAM2729S	N	5	100	15	30	N	<20	15	30	N	7	N	<100	50	N	30	N
SAM4247S	N	7	15	7	20	N	N	10	15	N	5	N	N	50	N	15	N
SAM4249S	N	5	20	15	20	5	N	10	20	N	5	N	N	30	N	20	N
SAM4251S	N	7	15	70	20	5	N	30	15	N	7	N	<100	70	N	30	N
SAM4252S	N	7	10	15	20	5	N	15	30	N	7	N	100	30	N	20	N
SAM4253S	N	7	10	10	<20	5	N	15	20	N	5	N	<100	50	N	20	N

CHAPTER F

LATITUDE 46°00'-46°30' LONGITUDE 113°30'-114 00'
 TABLE 3. STREAM-SEDIMENT SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°X2° CUSMAP QUADRANGLE, MONTANA (cont.)

SAMPLE	S-ZR	S-TH	AA-CU	AA-PB	AA-ZN	AA-AG	AA-CB	AA-BI	AA-SB
QUI2760S	300	N	7.00	7.0	5.0	.65	.54	N	1.0
QUI2762S	300	N	3.00	4.0	5.0	.11	.31	N	N
QUI2764S	300	N	13.00	15.0	43.0	.12	.78	N	1.0
QUI2766S	300	N	9.00	7.0	6.0	.34	.32	N	N
QUI2767S	300	N	2.00	6.0	5.0	.07	.17	N	N
QUI3201S	200	N	19.00	9.0	14.0	.26	.30	7.0	N
QUI3203S	200	N	14.00	6.0	14.0	.11	.20	1.0	N
QUI4243S	200	N	5.00	9.0	12.0	.17	.08	N	N
QUI4245S	300	N	4.00	10.0	17.0	.17	.27	N	N
S0033S	150	N	10.00	16.0	12.0	<.05	.45	2.0	3.0
S0035S	150	N	13.00	9.0	11.0	.05	.30	2.0	2.0
S0037S	150	N	<1.00	17.0	13.0	.13	.25	2.0	3.0
S0038S	150	N	19.00	18.0	33.0	2.40	.40	2.0	7.0
S0040S	150	N	6.00	8.0	36.0	<.05	.25	3.0	2.0
S0045S	150	N	15.00	12.0	12.0	<.05	.30	1.0	2.0
S0047S	150	N	19.00	11.0	16.0	.05	.35	2.0	2.0
S0049S	300	N	8.00	6.0	7.0	<.05	.30	2.0	2.0
S0051S	300	N	9.00	4.0	4.0	<.05	.20	3.0	2.0
S0053S	100	N	11.00	8.0	15.0	.12	.30	<1.0	<1.0
S0055S	150	N	37.00	11.0	35.0	.70	.35	<1.0	<1.0
S0056S	150	N	23.00	10.0	19.0	.18	.35	<1.0	4.0
S0058S	150	N	22.00	12.0	20.0	.22	.30	<1.0	3.0
S0062S	150	N	4.00	8.0	8.0	.12	.45	1.0	<1.0
S0064S	200	N	3.00	2.0	2.0	.08	.10	<1.0	<1.0
SAM1356S	200	N	4.00	3.0	5.0	<.05	.05	<1.0	<1.0
SAM1718S	300	N	4.00	3.0	5.0	.07	.11	<1.0	<1.0
SAM1744S	150	N	25.00	3.0	10.0	.10	.12	<1.0	N
SAM2680S	200	N	21.00	7.0	7.0	.12	.24	1.0	N
SAM2681S	300	N	22.00	7.0	6.0	.12	.24	1.0	1.0
SAM2683S	300	N	25.00	8.0	8.0	.18	.24	1.0	N
SAM2685S	200	N	48.00	10.0	11.0	.22	.28	1.0	N
SAM2717S	300	N	25.00	3.0	3.0	.07	.23	N	N
SAM2718S	150	N	39.00	71.0	125.0	.54	4.75	4.0	N
SAM2719S	300	N	2.00	7.0	2.0	<.05	.27	N	N
SAM2720S	200	N	49.00	12.0	8.0	.15	.38	N	N
SAM2721S	500	N	4.00	3.0	3.0	<.05	.22	N	N
SAM2723S	300	N	8.00	4.0	4.0	.11	.11	N	1.0
SAM2725S	700	N	5.00	5.0	5.0	.12	.21	N	N
SAM2727S	200	N	25.00	10.0	8.0	.47	.27	1.0	N
SAM2729S	500	N	7.00	7.0	6.0	.18	.19	N	1.0
SAM4247S	200	N	7.00	5.0	11.0	<.05	.05	N	1.0
SAM4249S	300	N	13.00	7.0	9.0	.10	.16	N	N
SAM4251S	150	N	86.00	8.0	26.0	.72	<.05	N	N
SAM4252S	300	N	5.00	10.0	22.0	.07	N	N	N
SAM4253S	200	N	4.00	6.0	11.0	.05	N	N	N

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LATITUDE 46°00'-46°30' LONGITUDE 113°30'-114 00'

TABLE 3. STREAM-SEDIMENT SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°X2° CUSMAP QUADRANGLE,MONTANA (cont.)

SAMPLE	LATITUDE	LONGITUDE	S-FEX	S-MGX	S-CAZ	S-TIZ	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE	S-BI
SAM4255S	46 28 18	113 48 12	1.50	.30	.70	.50	300	N	N	N	50	300	2.0	N
SAM4259S	46 24 56	113 47 50	1.50	.50	.50	.20	200	N	N	N	70	300	1.5	N
SAM4261S	46 24 24	113 46 56	1.50	.30	.30	.20	300	N	N	N	50	300	2.0	N
SAM4263S	46 24 26	113 46 57	1.50	.30	.30	.30	200	N	N	N	50	300	2.0	N
SAM4265S	46 24 26	113 46 59	1.00	.30	.30	.20	300	N	N	N	30	300	2.0	N
SAM4267S	46 23 28	113 45 51	1.50	.30	1.00	.20	300	N	N	N	15	300	3.0	N
SK0381S	46 9 9	113 49 18	3.00	.70	.70	.20	500	N	N	N	20	700	2.0	N
SK0383S	46 9 8	113 49 16	7.00	1.50	3.00	.70	1,000	N	N	N	10	700	1.0	N
SK0764S	46 10 44	113 48 34	5.00	2.00	7.00	.50	1,000	N	N	N	<10	700	2.0	N
SK0765S	46 10 44	113 48 31	7.00	1.50	2.00	.50	1,000	N	N	N	20	1,000	1.5	N
SK0767S	46 10 34	113 48 31	5.00	2.00	7.00	.50	1,000	N	N	N	20	700	1.5	N
SK0769S	46 10 35	113 48 33	5.00	1.50	5.00	.70	1,000	N	N	N	10	700	1.5	N
SK0772S	46 10 4	113 48 53	7.00	1.50	3.00	.50	1,000	N	N	N	15	700	1.5	N
SK0774S	46 10 7	113 48 55	7.00	1.50	1.50	.50	1,000	N	N	N	10	700	1.5	N
SK0776S	46 10 1	113 49 5	7.00	2.00	7.00	.70	700	N	N	N	15	700	1.5	N
SK0777S	46 9 55	113 49 7	10.00	2.00	7.00	1.00	1,000	N	N	N	20	1,000	1.5	N
SK0778S	46 9 54	113 49 22	7.00	.70	5.00	.70	1,000	N	N	N	30	700	2.0	N
SK0780S	46 9 59	113 49 40	3.00	1.00	3.00	.50	700	N	N	N	30	500	2.0	N
SK0781S	46 9 55	113 49 56	5.00	.70	3.00	.70	700	N	N	N	30	700	2.0	N
SK0783S	46 9 41	113 50 19	7.00	2.00	7.00	.70	1,000	N	N	N	30	700	2.0	N
SK0784S	46 9 36	113 50 16	5.00	2.00	5.00	.50	700	N	N	N	50	200	3.0	N
SK0963S	46 12 13	113 48 15	3.00	.70	1.50	.30	1,500	N	N	N	20	700	2.0	N
SK0965S	46 12 13	113 48 19	5.00	.70	2.00	.50	2,000	N	N	N	30	700	2.0	N
SK0967S	46 13 0	113 47 57	7.00	1.50	5.00	.30	1,000	N	N	N	20	500	1.5	N
SK0968S	46 11 49	113 47 46	7.00	1.00	2.00	.30	3,000	N	N	N	20	700	2.0	N
SK0970S	46 11 36	113 47 10	7.00	1.00	2.00	.20	700	N	N	N	20	300	1.0	N
SK0974S	46 12 3	113 46 41	3.00	1.00	3.00	.30	500	N	N	N	10	500	1.5	N
SK0976S	46 12 4	113 46 38	3.00	1.00	5.00	.30	1,000	N	N	N	<10	500	2.0	N
SK0977S	46 11 48	113 46 36	7.00	.70	1.50	.20	1,000	N	N	N	10	500	1.5	N
SK0979S	46 11 49	113 46 5	3.00	.50	1.00	.20	1,000	N	N	N	10	500	1.5	N
SK0980S	46 11 59	113 45 46	3.00	.50	1.00	.20	1,500	N	N	N	10	500	1.5	N
SK0982S	46 12 1	113 45 51	3.00	.70	2.00	.50	700	N	N	N	20	700	1.5	N
SK0984S	46 11 58	113 45 52	3.00	1.00	3.00	.50	700	N	N	N	10	500	1.5	N
SK0986S	46 11 45	113 45 28	2.00	.70	1.50	.20	1,000	N	N	N	15	700	1.5	N
SK0994S	46 8 1	113 46 4	7.00	1.00	3.00	.50	700	N	N	N	10	700	1.5	N
SK0996S	46 7 59	113 46 2	10.00	1.00	3.00	.70	1,000	N	N	N	<10	500	1.0	N
SK1241S	46 9 41	113 46 38	5.00	1.00	3.00	.30	1,000	N	N	N	<10	700	2.0	N
SK1243S	46 9 45	113 46 36	5.00	1.00	5.00	.30	700	N	N	N	<10	1,000	1.5	N
SK1245S	46 9 39	113 46 11	3.00	1.00	3.00	.30	500	N	N	N	N	700	1.5	N
SK1247S	46 9 48	113 46 7	2.00	.50	2.00	.20	700	N	N	N	N	700	1.5	N
SK1249S	46 10 29	113 45 57	5.00	.70	3.00	.30	1,500	N	N	N	10	1,000	1.5	N
SK1251S	46 10 32	113 47 0	3.00	.70	3.00	.50	500	N	N	N	<10	700	1.5	N
SK1253S	46 10 54	113 45 28	3.00	1.00	2.00	.50	700	N	N	N	15	700	1.5	N
SK1254S	46 11 2	113 45 29	3.00	.70	1.50	.30	700	N	N	N	10	700	1.5	N
SK1256S	46 11 39	113 45 19	3.00	1.50	2.00	.50	1,000	N	N	N	10	700	1.5	N

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LATITUDE 46°00'-46°30' LONGITUDE 113°30'-114 00'

TABLE 3. STREAM-SEDIMENT SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°X2° CUSMAP QUADRANGLE, MONTANA (cont.)

SAMPLE	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SM	S-SR	S-V	S-W	S-Y	S-ZN
SAM4255S	N	7	20	20	20	5	N	20	15	N	7	N	N	50	N	30	N
SAM4259S	N	5	20	15	30	N	<20	15	10	N	5	N	N	30	N	30	N
SAM4261S	N	5	15	5	30	N	<20	10	15	N	5	N	<100	30	N	20	N
SAM4263S	N	5	30	5	30	N	<20	10	20	N	5	N	<100	30	N	50	N
SAM4265S	N	5	15	7	30	N	N	7	15	N	5	N	N	30	N	20	N
SAM4267S	N	<5	<10	<5	100	N	N	7	30	N	5	N	300	20	N	50	N
SK0381S	N	7	20	15	30	N	<20	7	30	N	10	N	200	70	N	50	N
SK0383S	N	20	100	15	50	N	20	20	30	N	30	N	300	100	N	100	N
SK0764S	N	15	70	15	70	N	<20	20	20	N	20	N	300	150	N	70	N
SK0765S	N	15	70	15	150	N	<20	20	20	N	20	N	300	200	N	50	N
SK0767S	N	7	70	5	50	N	20	10	20	N	15	N	300	150	N	100	N
SK0769S	N	10	70	5	150	N	<20	30	20	N	30	N	300	150	N	100	N
SK0772S	N	10	100	10	30	N	20	20	30	N	20	N	300	150	N	100	N
SK0774S	N	10	70	5	50	N	<20	15	30	N	20	N	300	150	N	50	N
SK0776S	N	20	150	15	50	N	<20	50	30	N	20	N	300	150	N	100	N
SK0777S	N	20	200	20	100	N	20	30	30	N	30	N	500	200	N	100	N
SK0778S	N	10	50	20	100	N	<20	15	50	N	10	N	500	150	N	100	N
SK0780S	N	7	50	10	150	N	<20	15	30	N	10	N	300	100	N	70	N
SK0781S	N	7	50	20	100	N	20	15	30	N	10	N	300	100	N	70	N
SK0783S	N	15	100	15	50	N	<20	20	30	N	30	N	500	150	N	100	N
SK0784S	N	7	70	15	70	N	<20	20	20	N	15	N	150	100	N	100	N
SK0963S	N	7	30	15	100	N	<20	15	30	N	15	N	300	150	N	30	N
SK0965S	N	10	50	10	50	N	20	10	30	N	15	N	300	150	N	70	N
SK0967S	N	10	70	15	70	N	<20	20	30	N	30	N	300	150	N	70	N
SK0968S	N	30	50	15	30	N	<20	15	20	N	15	N	300	150	N	50	N
SK0970S	N	10	70	7	100	N	N	15	20	N	15	N	300	150	N	50	N
SK0974S	N	7	50	10	30	N	20	15	20	N	20	N	300	70	N	70	N
SK0976S	N	7	30	<5	150	N	<20	7	30	N	20	N	300	70	N	70	N
SK0977S	N	10	70	7	70	N	<20	15	20	N	15	N	300	150	N	70	N
SK0979S	N	5	15	15	20	N	N	5	20	N	7	N	200	50	N	20	N
SK0980S	N	10	15	15	30	N	<20	10	30	N	10	N	200	50	N	30	N
SK0982S	N	7	50	5	50	N	20	15	20	N	20	N	300	100	N	100	N
SK0984S	N	7	30	5	200	N	20	15	20	N	30	N	300	100	N	100	N
SK0986S	N	7	20	5	30	N	<20	7	30	N	10	N	300	70	N	30	N
SK0994S	N	10	70	15	50	N	20	15	30	N	30	N	300	150	N	100	N
SK0996S	N	10	100	15	150	N	30	15	20	N	30	N	300	200	N	100	N
SK1241S	N	10	30	10	30	N	<20	10	30	N	20	N	300	150	N	70	N
SK1243S	N	10	50	10	100	N	<20	15	30	N	20	N	500	150	N	70	N
SK1245S	N	7	30	5	30	N	<20	15	30	N	20	N	500	100	N	50	N
SK1247S	N	<5	15	<5	200	N	<20	10	50	N	15	N	300	70	N	500	N
SK1249S	N	10	20	15	20	N	<20	15	30	N	15	N	300	150	N	30	N
SK1251S	N	7	20	7	30	N	20	10	30	N	15	N	500	100	N	70	N
SK1253S	N	7	50	15	30	N	70	15	30	N	15	N	500	100	N	50	N
SK1254S	N	7	30	15	70	N	<20	15	30	N	15	N	300	150	N	50	N
SK1256S	N	10	30	7	70	N	<20	15	20	N	20	N	500	100	N	70	N

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LATITUDE 46°00'-46°30' LONGITUDE 113°30'-114 00'

TABLE 3. STREAM-SEDIMENT SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°X2° CUSMAP QUADRANGLE, MONTANA (cont)

SAMPLE	S-ZR	S-TH	AA-CU	AA-PB	AA-ZN	AA-AG	AA-CB	AA-BI	AA-SB
SAM4255S	100	N	26.00	9.0	14.0	.17	N	N	1.0
SAM4259S	200	N	14.00	11.0	9.0	.15	N	N	N
SAM4261S	30	N	3.00	6.0	10.0	.08	N	N	N
SAM4263S	30	N	3.00	6.0	6.0	.10	N	N	N
SAM4265S	30	N	5.00	7.0	9.0	.21	N	N	N
SAM4267S	200	N	2.00	5.0	9.0	.05	N	N	N
SK0381S	150	N	.70	1.2	1.5	.04	.03	--	<1.0
SK0383S	>1,000	N	.40	.7	.9	<.02	.02	--	<1.0
SK0764S	150	N	.50	.8	2.0	<.02	.03	<.5	<1.0
SK0765S	200	N	.50	1.0	3.0	<.02	.03	<.5	<1.0
SK0767S	300	N	.30	.5	1.8	<.02	.03	<.5	<1.0
SK0769S	500	N	.30	.7	1.8	<.02	.03	<.5	<1.0
SK0772S	200	N	.50	.7	2.9	<.02	.04	<.5	<1.0
SK0774S	150	N	.50	.7	3.2	<.02	.03	<.5	<1.0
SK0776S	700	N	.60	.8	2.0	<.02	.04	<.5	<1.0
SK0777S	700	N	.60	.6	2.5	<.02	.02	<.5	<1.0
SK0778S	700	N	.50	.8	2.7	<.02	.03	<.5	<1.0
SK0780S	>1,000	N	.50	1.0	2.0	<.02	.03	<.5	<1.0
SK0781S	700	N	.50	1.0	.5	<.02	.03	<.5	<1.0
SK0783S	700	N	.20	.5	.7	<.02	.02	<.5	<1.0
SK0784S	1,000	N	.50	.7	<.5	<.02	.03	<.5	<1.0
SK0963S	500	N	.50	.5	1.6	.02	.03	<.5	<1.0
SK0965S	300	N	.40	.5	1.7	.02	.03	<.5	<1.0
SK0967S	1,000	N	.30	<.5	1.0	.02	<.02	<.5	<1.0
SK0968S	700	N	.60	1.0	5.0	.02	.06	<.5	<1.0
SK0970S	150	N	.30	.5	1.2	.02	<.02	<.5	<1.0
SK0974S	200	N	.40	<.5	.7	.02	<.02	<.5	<1.0
SK0976S	100	N	.30	<.5	.6	.02	<.02	<.5	<1.0
SK0977S	200	N	.40	.5	1.6	.03	.02	<.5	<1.0
SK0979S	150	N	.80	1.5	2.0	.02	.05	<.5	<1.0
SK0980S	100	N	.60	1.0	1.5	<.02	.03	<.5	<1.0
SK0982S	300	N	.30	<.5	.7	<.02	<.02	<.5	<1.0
SK0984S	500	N	.30	<.5	.6	<.02	<.02	<.5	<1.0
SK0986S	150	N	.40	.5	1.4	<.02	.03	<.5	<1.0
SK0994S	700	N	.60	.5	1.1	<.02	.02	<.5	<1.0
SK0996S	700	N	.30	<.5	.9	<.02	<.02	<.5	<1.0
SK1241S	500	N	.40	<.5	1.3	<.02	<.02	<.5	<1.0
SK1243S	1,000	N	.50	.5	1.4	<.02	<.02	<.5	<1.0
SK1245S	300	N	.30	<.5	.8	<.02	<.02	<.5	<1.0
SK1247S	300	N	.30	<.5	.6	<.02	<.02	<.5	<1.0
SK1249S	200	N	.60	.7	3.5	<.02	.03	<.5	<1.0
SK1251S	500	N	.40	.5	1.3	<.02	<.02	<.5	<1.0
SK1253S	300	N	.50	.7	1.6	<.02	<.02	<.5	<1.0
SK1254S	150	N	.60	.7	1.0	<.02	<.02	<.5	<1.0
SK1256S	200	N	.40	<.5	.9	<.02	<.02	<.5	<1.0

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LATITUDE 46°00'-46°30' LONGITUDE 113°30'-114 00'

TABLE 3. STREAM-SEDIMENT SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°X2° CUSMAP QUADRANGLE, MONTANA (cont.)

SAMPLE	LATITUDE	LONGITUDE	S-FEX	S-MGX	S-CAZ	S-TIZ	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE	S-BI
SK1258S	46 11 43	113 45 4	1.50	.50	1.50	.20	300	N	N	N	10	700	1.5	N
SK1259S	46 11 32	113 45 9	3.00	.50	1.00	.30	300	N	N	N	<10	1,000	1.5	N
SK1808S	46 8 31	113 45 5	3.00	.70	2.00	.30	1,000	N	N	N	20	1,000	2.0	N
SK1810S	46 8 40	113 45 20	5.00	.70	2.00	.30	700	N	N	N	15	700	2.0	N
SK1812S	46 9 1	113 45 35	5.00	1.00	3.00	.50	1,000	N	N	N	30	700	2.0	N
SK1814S	46 8 58	113 45 39	5.00	1.00	5.00	.50	1,000	N	N	N	10	1,000	2.0	N
SK1816S	46 9 4	113 45 50	5.00	1.00	2.00	.30	700	N	N	N	10	700	1.5	N
SK1901S	46 8 24	113 49 15	3.00	.70	1.50	.50	700	N	N	N	15	700	1.5	N
SK1903S	46 8 21	113 49 13	7.00	1.00	2.00	.50	1,000	N	N	N	10	700	1.5	N
SK1905S	46 8 9	113 49 44	5.00	1.00	2.00	.30	700	N	N	N	10	700	1.5	N
SK1907S	46 8 7	113 49 46	5.00	1.00	2.00	.50	700	N	N	N	<10	500	1.5	N
SK2270S	46 7 46	113 51 10	2.00	1.00	2.00	.30	500	.5	N	N	300	500	3.0	N
SK2272S	46 8 32	113 52 7	2.00	1.50	2.00	.30	700	.5	N	N	70	500	2.0	N
SK2303S	46 9 42	113 51 28	1.50	.70	2.00	.30	300	N	N	N	30	200	3.0	N
SK2310S	46 8 18	113 52 1	3.00	3.00	3.00	.20	1,000	N	N	N	50	500	2.0	N
SK2312S	46 12 34	113 51 9	5.00	3.00	5.00	.50	1,000	N	N	N	10	500	1.5	N
SK2314S	46 13 17	113 50 2	2.00	1.00	1.50	.50	300	N	N	N	50	150	1.5	N
SK2316S	46 13 1	113 50 21	.70	.30	2.00	.30	500	N	N	N	150	100	3.0	N
SK2318S	46 11 57	113 51 57	2.00	1.50	2.00	.50	500	N	N	N	30	150	1.5	N
SK2320S	46 14 19	113 50 36	1.50	1.50	2.00	.30	500	N	N	N	50	150	1.5	N
SK2321S	46 14 8	113 50 25	3.00	3.00	.70	.30	500	N	N	N	50	150	1.5	N
SK2323S	46 14 33	113 49 56	2.00	2.00	3.00	.30	500	<.5	N	N	50	100	3.0	N
SK2325S	46 14 38	113 49 59	2.00	1.50	3.00	.30	500	N	N	N	50	70	2.0	N
SK2327S	46 11 2	113 45 12	1.00	.30	1.50	.10	1,500	N	N	N	10	200	5.0	N
SK2663S	46 11 34	113 52 13	2.00	1.00	15.00	.30	500	N	N	N	50	200	1.5	N
SK2665S	46 11 45	113 52 8	7.00	1.50	3.00	.70	1,000	N	N	N	30	500	1.0	N
SK2671S	46 11 48	113 51 59	5.00	1.50	3.00	.50	700	N	N	N	30	300	1.5	N
SK2674S	46 10 48	113 50 20	3.00	1.50	1.50	.50	700	N	N	N	70	300	1.5	N
SK2676S	46 11 10	113 50 35	3.00	1.50	3.00	.30	700	N	N	N	70	300	3.0	N
SK2678S	46 11 11	113 50 37	2.00	1.50	3.00	.30	500	N	N	N	50	300	3.0	N
SK2702S	46 14 46	113 47 1	1.50	1.00	1.00	.30	500	N	N	N	50	150	2.0	N
SK2704S	46 14 51	113 47 25	3.00	1.00	1.50	.70	1,000	N	N	N	70	100	1.5	N
SK2706S	46 14 29	113 45 8	1.00	.50	.20	.30	700	N	N	N	200	1,500	5.0	N
SK4298S	46 14 38	113 52 25	3.00	1.50	3.00	.50	1,000	N	N	N	10	300	1.5	N
STC1033S	46 15 48	113 37 58	1.50	.30	.70	.30	300	N	N	N	100	1,000	3.0	N
STC2769S	46 21 44	113 38 13	3.00	.70	1.00	.20	500	<.5	N	N	70	1,000	7.0	N
STC2771S	46 21 23	113 38 12	3.00	1.00	2.00	.20	700	N	N	N	100	700	2.0	N
STC2773S	46 21 23	113 38 12	3.00	1.00	2.00	.20	700	N	N	N	100	700	3.0	N
STC3236S	46 17 36	113 40 46	1.50	.50	.20	.30	150	N	N	N	70	1,000	2.0	N
STC3238S	46 17 7	113 41 19	.70	.30	.30	.20	100	N	N	N	100	1,500	1.5	N
STC3240S	46 17 33	113 40 56	1.50	.30	.30	.30	200	N	N	N	70	1,500	3.0	N
STC3242S	46 17 35	113 40 57	1.50	.70	.30	.20	150	N	N	N	70	500	2.0	N
STC3250S	46 18 30	113 40 1	2.00	.70	.50	.30	700	<.5	N	N	70	2,000	3.0	N
STC3255S	46 18 48	113 40 9	2.00	.50	.50	.30	700	.5	N	N	70	3,000	5.0	N
STC3287S	46 19 19	113 39 59	1.50	.50	.30	.30	200	N	N	N	100	1,000	3.0	N

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LATITUDE 46°00'-46°30' LONGITUDE 113°30'-114 00'

TABLE 3. STREAM-SEDIMENT SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°X2° CUSMAP QUADRANGLE,MONTANA (cont.)

SAMPLE	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN
SK1258S	N	5	20	7	200	N	<20	5	30	N	10	N	300	70	N	50	N
SK1259S	N	7	30	10	200	N	<20	10	30	N	10	N	500	100	N	70	N
SK1808S	N	7	50	10	20	N	<20	10	50	N	15	N	500	100	N	50	N
SK1810S	N	7	70	10	70	N	<20	10	20	N	10	N	300	100	N	70	N
SK1812S	N	7	100	10	70	N	20	15	30	N	20	N	500	150	N	150	N
SK1814S	N	10	70	10	150	N	<20	15	30	N	20	N	500	100	N	100	N
SK1816S	N	10	70	15	50	N	<20	15	30	N	30	N	500	100	N	70	N
SK1901S	N	7	20	10	50	N	20	10	30	N	15	N	300	70	N	150	N
SK1903S	N	10	70	10	70	N	20	15	30	N	30	N	300	150	N	100	N
SK1905S	N	10	70	15	100	N	<20	15	30	N	30	N	300	150	N	150	N
SK1907S	N	10	70	10	30	N	<20	15	20	N	30	N	300	150	N	70	N
SK2270S	N	7	30	10	70	N	<20	7	20	N	10	N	150	100	N	70	N
SK2272S	N	7	50	10	20	N	<20	7	30	N	10	N	300	70	N	50	N
SK2303S	N	5	30	7	100	N	<20	10	20	N	7	N	<100	30	N	30	N
SK2310S	N	15	50	30	70	N	<20	15	20	N	7	N	N	50	N	50	N
SK2312S	N	30	150	50	30	N	<20	70	20	N	15	N	N	150	N	30	N
SK2314S	N	7	70	15	70	N	<20	20	20	N	5	N	N	50	N	30	N
SK2316S	N	N	15	10	300	N	<20	10	30	N	5	N	N	50	N	100	N
SK2318S	N	10	70	15	50	N	<20	30	20	N	5	N	N	50	N	30	N
SK2320S	N	7	70	20	30	N	<20	20	30	N	5	N	N	50	N	50	N
SK2321S	N	10	100	15	100	N	<20	50	30	N	7	N	N	50	N	30	N
SK2323S	N	7	100	30	150	N	<20	20	100	N	7	N	N	50	N	50	N
SK2325S	N	7	70	15	30	N	<20	20	7	N	7	N	N	50	N	30	N
SK2327S	N	5	10	<5	100	N	<20	5	30	N	5	N	200	20	N	70	N
SK2663S	N	7	70	15	50	N	<20	15	15	N	7	N	<100	50	N	20	N
SK2665S	N	20	100	50	70	N	<20	20	20	N	20	N	1,000	200	N	70	N
SK2671S	N	10	100	30	30	N	<20	30	20	N	15	N	200	100	N	70	N
SK2674S	N	10	100	15	30	N	<20	30	30	N	10	N	<100	70	N	70	N
SK2676S	N	7	100	10	50	N	<20	20	20	N	7	N	100	70	N	70	N
SK2678S	N	7	100	15	50	N	<20	20	20	N	10	N	150	70	N	70	N
SK2702S	N	10	30	7	150	N	<20	15	20	N	7	N	N	50	N	30	N
SK2704S	N	10	100	20	30	N	<20	30	20	N	7	N	N	70	N	30	N
SK2706S	N	7	15	5	30	N	<20	7	20	N	7	N	N	30	N	30	N
SK4298S	N	20	20	70	30	N	N	15	10	N	20	N	700	200	N	30	N
STC1033S	N	7	70	15	30	N	<20	15	50	N	7	N	200	50	N	20	N
STC2769S	N	7	70	30	70	N	<20	50	20	N	7	N	<100	50	N	100	N
STC2771S	N	7	50	15	30	N	<20	20	20	N	7	N	N	50	N	20	N
STC2773S	N	7	100	15	30	N	<20	20	20	N	7	N	<100	50	N	30	N
STC3236S	N	5	15	10	20	N	<20	15	20	N	<5	N	N	30	N	20	N
STC3238S	N	5	10	5	20	N	N	10	20	N	<5	N	N	20	N	15	N
STC3240S	N	5	50	7	30	N	<20	10	20	N	5	N	N	30	N	20	N
STC3242S	N	<5	15	7	50	N	<20	10	20	N	5	N	N	30	N	15	N
STC3250S	N	7	20	20	30	N	<20	20	30	N	7	N	<100	50	N	30	N
STC3255S	N	7	15	20	30	N	<20	30	30	N	10	N	<100	50	N	50	N
STC3257S	N	7	20	15	30	N	<20	15	30	N	5	N	N	30	N	30	N

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TABLE 3. STREAM-SEDIMENT SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°X2° CUSMAP QUADRANGLE, MONTANA (cont.)

SAMPLE	S-ZR	S-TH	AA-CU	AA-PB	AA-ZN	AA-AG	AA-CB	AA-BI	AA-SB
SK1258S	200	N	.50	.5	1.5	<.02	.03	<.5	<1.0
SK1259S	100	N	.70	.7	<.5	<.02	<.02	<.5	<1.0
SK1808S	300	N	.20	.8	1.5	<.02	.03	<.5	<1.0
SK1810S	700	N	.30	.7	1.8	<.02	.04	<.5	<1.0
SK1812S	700	N	.10	<.5	<.5	<.02	.02	<.5	<1.0
SK1814S	700	N	.10	<.5	.5	<.02	.02	<.5	<1.0
SK1816S	1,000	N	.30	.5	1.0	<.02	.02	<.5	<1.0
SK1901S	300	N	.50	.5	.6	<.02	.04	<.5	<1.0
SK1903S	700	N	.30	<.5	.5	<.02	<.02	<.5	<1.0
SK1905S	700	N	.50	.5	.8	<.02	<.02	<.5	<1.0
SK1907S	300	N	.50	<.5	.8	.02	<.02	<.5	<1.0
SK2270S	300	N	2.00	2.0	4.0	<.05	.06	N	N
SK2272S	150	N	---	---	---	---	---	---	---
SK2303S	200	N	4.00	5.0	12.0	.05	.18	1.0	1.0
SK2310S	200	N	17.00	3.0	3.0	.09	.22	2.0	1.0
SK2312S	200	N	21.00	4.0	9.0	<.05	.23	N	2.0
SK2314S	300	N	7.00	6.0	8.0	<.05	.22	1.0	2.0
SK2316S	100	N	---	---	---	---	---	---	---
SK2318S	200	N	6.00	3.0	6.0	<.05	.18	1.0	1.0
SK2320S	200	N	11.00	6.0	9.0	.05	.29	1.0	1.0
SK2321S	200	N	5.00	12.0	4.0	.07	.18	N	1.0
SK2323S	200	N	20.00	33.0	13.0	.21	.27	N	1.0
SK2325S	300	N	6.00	4.0	6.0	<.05	.19	N	N
SK2327S	100	N	1.00	5.0	4.0	N	.30	N	1.0
SK2663S	200	N	11.00	6.0	11.0	.07	.28	2.0	1.0
SK2665S	300	N	28.00	5.0	13.0	<.05	.17	1.0	1.0
SK2671S	300	N	6.00	5.0	17.0	<.05	.17	1.0	N
SK2674S	300	N	5.00	8.0	6.0	<.05	.13	1.0	N
SK2676S	300	N	8.00	6.0	6.0	<.05	.16	1.0	N
SK2678S	200	N	5.00	5.0	9.0	<.05	.17	1.0	N
SK2702S	300	N	5.00	7.0	5.0	N	.32	N	1.0
SK2704S	200	N	11.00	7.0	10.0	N	.40	N	1.0
SK2706S	500	N	2.00	6.0	3.0	N	.52	N	N
SK4298S	100	N	100.00	6.0	40.0	<.05	.17	N	N
STC1033S	300	N	4.00	6.0	7.0	N	.06	N	N
STC2769S	200	N	22.00	8.0	7.0	.31	.36	N	1.0
STC2771S	300	N	5.00	4.0	4.0	.07	.17	N	N
STC2773S	300	N	5.00	3.0	3.0	.06	.17	N	1.0
STC3236S	300	N	5.00	4.0	4.0	.05	.41	1.0	N
STC3238S	300	N	3.00	4.0	2.0	<.05	.48	1.0	N
STC3240S	300	N	2.00	4.0	3.0	<.05	.50	1.0	N
STC3242S	300	N	5.00	4.0	5.0	.05	.51	1.0	N
STC3250S	300	N	19.00	10.0	7.0	.17	.57	1.0	1.0
STC3255S	300	N	14.00	13.0	8.0	.36	.68	1.0	N
STC3257S	300	N	7.00	6.0	5.0	.14	.57	1.0	N

CHAPTER F

LATITUDE 46°00'-46°30' LONGITUDE 113°30'-114 00'
 TABLE 3. STREAM-SEDIMENT SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°X2° CUSMAP QUADRANGLE, MONTANA (cont.)

SAMPLE	LATITUDE	LONGITUDE	S-FE%	S-MG%	S-CA%	S-Ti%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE	S-BI
STC3258S	46 19 49	113 39 1	1.00	.30	.50	.30	1,500	N	N	N	70	700	1.5	N
STC3296S	46 19 33	113 39 8	2.00	.50	.70	.20	1,500	N	N	N	30	700	3.0	N
STC3298S	46 19 14	113 38 8	.70	.15	.70	.15	300	N	N	N	50	500	3.0	N
STC3300S	46 19 11	113 38 6	.50	.10	.50	.10	300	N	N	N	70	700	3.0	N
STC3301S	46 19 47	113 37 40	3.00	.70	.50	.30	700	N	N	N	100	700	2.0	N
STC4223S	46 20 33	113 39 47	.70	.20	.30	.15	500	N	N	N	30	500	3.0	N
STC4225S	46 20 25	113 39 56	1.00	.15	.30	.20	700	N	N	N	30	700	3.0	N
STC4227S	46 19 30	113 41 18	.70	.20	.50	.15	300	N	N	N	50	1,500	3.0	N
STC4229S	46 18 23	113 43 4	1.50	.30	.20	.20	300	N	N	N	100	1,000	1.5	N
STC4231S	46 17 55	113 43 52	1.50	.50	.50	.15	200	<.5	N	N	70	1,000	1.5	N
STC4233S	46 17 47	113 43 43	1.00	.20	.30	.15	300	N	N	N	30	2,000	3.0	N
STC4275S	46 20 58	113 42 27	.70	.30	.20	.15	150	N	N	N	70	700	1.5	N
WHE0074S	46 4 20	113 44 34	2.00	.70	1.00	.20	500	N	N	N	150	500	2.0	N
WHE0075S	46 4 26	113 44 35	2.00	.50	.50	.20	700	N	N	N	200	500	3.0	N
WHE0077S	46 5 18	113 43 55	1.50	.70	.30	.20	200	N	N	N	200	500	2.0	N
WHE0080S	46 6 13	113 41 57	1.50	.70	.50	.20	200	N	N	N	150	500	2.0	N
WHE0102S	46 0 4	113 40 17	2.00	.70	.20	.20	200	N	N	N	100	700	2.0	N
WHE0299S	46 6 28	113 44 2	1.00	.20	.30	.20	150	N	N	N	30	700	2.0	N
WHE0301S	46 6 40	113 44 7	3.00	.50	1.50	.30	700	N	N	N	30	700	2.0	N
WHE0303S	46 6 32	113 43 13	1.50	.30	.50	.30	200	N	N	N	200	700	2.0	N
WHE0305S	46 7 18	113 38 9	1.50	.70	1.00	.15	300	N	N	N	100	700	2.0	N
WHE0307S	46 6 45	113 40 29	3.00	.50	1.50	.15	1,000	N	N	N	50	700	2.0	N
WHE0309S	46 6 39	113 39 34	2.00	.70	3.00	.20	200	N	N	N	50	1,000	2.0	N
WHE0311S	46 6 1	113 39 32	3.00	1.00	3.00	.30	700	<.5	N	N	10	1,000	2.0	N
WHE0313S	46 5 20	113 39 46	3.00	.70	1.50	.30	500	.7	N	N	30	1,000	2.0	N
WHE0315S	46 5 27	113 39 58	3.00	.70	1.50	.30	500	<.5	N	N	50	1,000	2.0	N
WHE0317S	46 5 6	113 39 54	3.00	.70	1.50	.15	700	.7	N	N	70	1,000	2.0	N
WHE0319S	46 5 1	113 40 2	2.00	.50	1.50	.30	300	N	N	N	150	700	2.0	N
WHE0320S	46 4 35	113 40 0	3.00	.70	2.00	.30	500	N	N	N	30	1,000	2.0	N
WHE0345S	46 0 22	113 44 17	2.00	2.00	1.50	.20	1,000	<.5	N	N	100	1,000	2.0	N
WHE0355S	46 3 22	113 37 38	2.00	1.50	1.50	.15	700	.7	N	N	300	700	2.0	N
WHE0357S	46 3 27	113 37 34	2.00	1.50	1.50	.20	700	.7	N	N	200	1,000	3.0	N
WHE0360S	46 5 42	113 40 30	5.00	.70	1.00	.30	1,000	N	N	N	30	1,000	2.0	N
WHE0474S	46 2 54	113 42 11	3.00	1.00	5.00	.30	700	N	N	N	30	500	3.0	N
WHE0476S	46 2 55	113 42 14	3.00	1.00	2.00	.30	700	N	N	N	100	500	3.0	N
WHE0478S	46 4 0	113 42 10	3.00	.70	2.00	.30	700	N	N	N	100	500	3.0	N
WHE0480S	46 3 13	113 41 7	5.00	.70	5.00	.30	1,000	N	N	N	10	500	3.0	N
WHE0482S	46 3 17	113 41 11	3.00	.70	2.00	.30	700	N	N	N	100	500	3.0	N
WHE0484S	46 3 30	113 40 56	5.00	.70	5.00	.30	700	N	N	N	10	500	5.0	N
WHE0486S	46 3 15	113 40 40	7.00	.70	5.00	.30	700	N	N	N	10	500	5.0	N
WHE0488S	46 3 17	113 40 39	5.00	.70	5.00	.50	500	N	N	N	10	700	3.0	N
WHE0490S	46 3 41	113 40 37	5.00	1.00	5.00	.30	700	N	N	N	20	700	3.0	N
WHE0492S	46 3 55	113 40 40	3.00	.70	1.00	.20	300	N	N	N	150	700	3.0	N
WHE0687S	46 7 28	113 43 54	5.00	.50	1.50	.30	1,500	N	N	N	30	700	3.0	N
WHE0689S	46 7 29	113 43 49	5.00	.70	7.00	.70	700	N	N	N	10	700	3.0	N

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LATITUDE 46°00'-46°30' LONGITUDE 113°30'-114 00'

TABLE 3. STREAM-SEDIMENT SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°X2° CUSMAP QUADRANGLE, MONTANA (cont.)

SAMPLE	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN
STC3258S	N	5	20	15	30	N	<20	10	30	N	<5	N	N	30	N	15	N
STC3296S	N	10	20	20	30	N	N	30	20	N	7	N	<100	30	N	30	N
STC3298S	N	<5	15	15	20	N	N	10	20	N	5	N	<100	30	N	50	N
STC3300S	N	<5	10	15	20	N	N	15	20	N	5	N	<100	30	N	50	N
STC3301S	N	10	50	15	30	N	N	20	20	N	7	N	<100	50	N	30	N
STC4223S	N	5	<10	15	30	N	N	20	20	N	5	N	N	20	N	50	N
STC4225S	N	5	<10	15	30	N	N	10	20	N	5	N	N	30	N	50	N
STC4227S	N	5	20	15	20	N	N	7	20	N	5	N	N	30	N	30	N
STC4229S	N	7	20	7	20	N	N	15	20	N	5	N	N	30	N	15	N
STC4231S	N	7	30	15	20	N	N	15	20	N	5	N	N	30	N	30	N
STC4233S	N	5	15	5	30	N	N	10	15	N	5	N	N	30	N	20	N
STC4275S	N	5	10	10	20	N	N	7	20	N	<5	N	N	20	N	15	N
WHE0074S	N	7	30	20	30	N	N	10	20	N	7	N	<100	50	N	20	N
WHE0075S	N	7	20	15	30	N	<20	10	20	N	7	N	<100	50	N	20	N
WHE0077S	N	5	20	5	30	N	N	5	15	N	7	N	<100	50	N	20	N
WHE0080S	N	5	15	10	30	N	N	5	15	N	5	N	<100	30	N	20	N
WHE0102S	N	7	30	15	30	N	<20	15	20	N	10	N	<100	50	N	20	N
WHE0299S	N	<5	15	<5	30	N	<20	<5	30	N	<5	N	100	30	N	N	N
WHE0301S	N	7	50	7	50	<5	<20	7	30	N	15	N	200	50	N	30	N
WHE0303S	N	7	30	7	150	N	<20	10	30	N	10	N	100	30	N	30	N
WHE0305S	N	5	50	5	30	N	<20	<5	20	N	7	N	150	30	N	30	N
WHE0307S	N	7	50	5	30	N	<20	5	30	N	7	N	200	50	N	30	N
WHE0309S	N	7	30	<5	150	N	<20	5	30	N	15	N	300	30	N	50	N
WHE0311S	N	7	50	10	30	N	<20	15	50	N	15	N	300	70	N	50	N
WHE0313S	N	7	70	20	150	N	20	15	30	N	15	N	200	70	N	100	N
WHE0315S	N	7	50	15	30	N	<20	15	30	N	15	N	200	70	N	50	N
WHE0317S	N	7	50	10	100	N	<20	10	30	N	15	N	300	50	N	30	N
WHE0319S	N	5	20	<5	100	N	20	7	30	N	15	N	300	50	N	100	N
WHE0320S	N	7	50	10	50	N	<20	10	50	N	20	N	300	70	N	70	N
WHE0345S	N	7	30	15	70	N	<20	10	30	N	10	N	<100	50	N	30	N
WHE0355S	N	7	50	20	70	N	<20	10	30	N	10	N	100	30	N	50	N
WHE0357S	N	7	70	20	50	N	<20	15	30	N	7	N	100	50	N	50	N
WHE0360S	N	10	70	15	50	N	<20	15	20	N	15	N	150	100	N	70	N
WHE0474S	N	5	30	7	100	N	<20	10	50	N	15	N	300	70	N	50	N
WHE0476S	N	7	30	15	100	N	N	15	20	N	10	N	200	70	N	30	N
WHE0478S	N	7	50	10	100	N	N	10	20	N	10	N	200	70	N	30	N
WHE0480S	N	7	50	10	100	N	N	15	50	N	15	N	500	100	N	30	N
WHE0482S	N	7	50	15	50	N	<20	15	30	N	10	N	200	70	N	20	N
WHE0484S	N	7	70	7	200	N	<20	10	50	N	10	N	300	100	N	70	N
WHE0486S	N	7	100	10	100	N	<20	10	50	N	15	N	300	100	N	70	N
WHE0488S	N	7	70	15	70	N	20	10	50	N	15	N	500	100	N	100	N
WHE0490S	N	7	70	15	150	N	<20	10	50	N	15	N	500	100	N	100	N
WHE0492S	N	5	50	5	20	N	N	7	15	N	7	N	150	70	N	15	N
WHE0687S	N	10	50	20	30	N	<20	7	50	N	7	N	200	100	N	30	N
WHE0689S	N	7	50	7	500	N	20	7	70	N	20	N	500	100	N	200	N

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LATITUDE 46°00'-46°30' LONGITUDE 113°30'-114 00'

TABLE 3. STREAM-SEDIMENT SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°X2° CUSMAP QUADRANGLE, MONTANA (cont)

SAMPLE	S-ZR	S-TH	AA-CU	AA-PB	AA-ZN	AA-AG	AA-CD	AA-BI	AA-SB
STC3258S	300	N	8.00	11.0	29.0	<.05	.90	1.0	N
STC3296S	150	N	25.00	12.0	28.0	.18	.46	N	1.0
STC3298S	50	N	24.00	14.0	22.0	.18	.40	N	2.0
STC3300S	100	N	38.00	18.0	34.0	.34	.80	N	2.0
STC3301S	200	N	13.00	8.0	20.0	.06	.25	N	4.0
STC4223S	150	N	24.00	16.0	4.0	.36	N	N	N
STC4225S	100	N	20.00	12.0	22.0	.20	N	N	2.0
STC4227S	100	N	21.00	15.0	15.0	.61	.35	1.0	1.0
STC4229S	300	N	7.00	7.0	4.0	.32	.20	1.0	1.0
STC4231S	300	N	10.00	3.0	2.0	.42	<.05	N	1.0
STC4233S	200	N	7.00	7.0	5.0	.07	.38	N	1.0
STC4275S	300	N	7.00	7.0	4.0	.13	.07	N	N
WHE0074S	500	N	1.50	<.5	1.0	<.02	.03	<.5	<1.0
WHE0075S	500	N	.50	.5	1.7	<.02	.04	<.5	<1.0
WHE0077S	1,000	N	.20	<.5	<.5	<.02	.02	<.5	<1.0
WHE0080S	300	N	.50	<.5	<.5	<.02	.02	<.5	<1.0
WHE0102S	150	N	.70	1.0	.6	.02	.03	<.5	<1.0
WHE0299S	100	N	.30	.5	<.5	<.02	.03	--	<1.0
WHE0301S	700	500	.30	.8	.9	<.02	.04	--	<1.0
WHE0303S	1,000	N	.50	.6	.5	<.02	.03	--	<1.0
WHE0305S	700	N	.30	<.5	<.5	<.02	<.02	--	<1.0
WHE0307S	300	N	.30	.6	1.5	<.02	.03	--	<1.0
WHE0309S	700	N	.20	<.5	<.5	<.02	<.02	--	<1.0
WHE0311S	300	N	.40	.5	.7	.03	.02	--	<1.0
WHE0313S	500	N	1.50	.8	.9	.05	.02	--	<1.0
WHE0315S	200	N	.60	.5	1.0	.02	<.02	--	<1.0
WHE0317S	200	N	.40	.6	.9	<.02	.02	--	<1.0
WHE0319S	200	N	.20	<.5	.7	<.02	.02	--	<1.0
WHE0320S	300	N	.20	.6	.7	<.02	<.02	--	<1.0
WHE0345S	300	N	.60	1.2	1.2	.03	.03	--	<1.0
WHE0355S	150	N	1.50	1.2	.8	.06	.05	--	<1.0
WHE0357S	150	N	1.00	1.4	1.5	.05	.06	--	<1.0
WHE0360S	150	N	.70	.9	1.7	.04	.03	--	<1.0
WHE0474S	300	N	.20	.5	1.3	<.02	.03	<.5	<1.0
WHE0476S	200	N	.40	.5	1.5	<.02	.04	<.5	<1.0
WHE0478S	200	N	.30	.5	1.2	<.02	.03	<.5	<1.0
WHE0480S	200	N	.20	<.5	1.5	<.02	.03	<.5	<1.0
WHE0482S	150	N	.40	<.5	2.0	<.02	.04	<.5	<1.0
WHE0484S	100	N	.20	<.5	.7	<.02	.03	<.5	<1.0
WHE0486S	300	N	.20	<.5	1.5	<.02	.03	<.5	<1.0
WHE0488S	300	N	.20	<.5	.8	<.02	.02	<.5	<1.0
WHE0490S	300	N	.30	<.5	.8	<.02	.02	<.5	<1.0
WHE0492S	500	N	.10	<.5	.7	<.02	.02	<.5	<1.0
WHE0687S	200	N	1.40	1.5	2.4	<.02	.05	<.5	<1.0
WHE0689S	700	N	.20	<.5	1.0	<.02	<.02	<.5	<1.0

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LATITUDE 46°00'-46°30' LONGITUDE 113°30'-114 00'
 TABLE 3. STREAM-SEDIMENT SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°X2° CUSMAP QUADRANGLE,MONTANA (cont.)

SAMPLE	LATITUDE	LONGITUDE	S-FEX	S-MGZ	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE	S-BI
WHE0690S	46 7 18	113 43 33	5.00	.50	2.00	.50	500	N	N	N	15	700	2.0	N
WHE0692S	46 6 59	113 42 41	5.00	.50	2.00	.30	700	N	N	N	10	700	3.0	N
WHE0695S	46 7 17	113 42 24	5.00	.70	3.00	.30	1,000	N	N	N	15	700	3.0	N
WHE0697S	46 7 15	113 41 9	2.00	.30	1.00	.20	300	N	N	N	100	700	2.0	N
WHE0700S	46 6 41	113 40 3	5.00	.70	1.00	.50	700	N	N	N	50	700	2.0	N
WHE0702S	46 6 59	113 38 35	3.00	.70	2.00	.30	700	<.5	N	N	20	700	2.0	N
WHE0704S	46 0 47	113 44 56	3.00	3.00	3.00	.30	700	<.5	N	N	100	700	2.0	N
WHE0707S	46 0 56	113 44 59	3.00	3.00	3.00	.30	1,000	N	N	N	70	1,000	1.5	N
WHE0709S	46 1 24	113 44 47	3.00	2.00	3.00	.30	700	N	N	N	150	1,000	1.5	N
WHE0711S	46 1 22	113 44 47	3.00	3.00	3.00	.30	1,000	N	N	N	100	1,000	1.5	N
WHE0713S	46 1 24	113 44 4	3.00	2.00	3.00	.20	500	N	N	N	150	1,000	1.5	N
WHE0715S	46 1 26	113 44 3	3.00	2.00	1.50	.30	700	N	N	N	150	1,000	2.0	N
WHE0717S	46 1 12	113 43 45	3.00	1.50	3.00	.30	700	.7	N	N	50	700	2.0	N
WHE0733S	46 0 20	113 44 29	2.00	1.50	2.00	.20	700	N	N	N	70	1,000	1.5	N
WHE0754S	46 0 17	113 44 28	1.50	1.00	1.50	.20	500	N	N	N	100	700	2.0	N
WHE0762S	46 7 18	113 38 7	5.00	.70	1.50	.30	700	N	N	N	20	700	2.0	N
WHE0829S	46 7 17	113 42 24	3.00	.70	2.00	.30	500	N	N	N	50	700	3.0	N
WHE0831S	46 7 15	113 42 23	3.00	.50	.70	.30	700	N	N	N	200	500	2.0	N
WHE0833S	46 1 25	113 42 27	5.00	1.00	3.00	.30	1,000	N	N	N	<10	700	3.0	N
WHE0835S	46 1 26	113 42 23	3.00	1.00	1.50	.30	500	1.5	N	N	10	500	3.0	N
WHE0837S	46 1 10	113 42 5	3.00	.70	3.00	.30	700	N	N	N	<10	500	2.0	N
WHE0840S	46 0 40	113 41 46	5.00	1.00	3.00	.30	700	N	N	N	<10	700	2.0	N
WHE0842S	46 0 33	113 41 44	3.00	.70	1.50	.15	500	N	N	N	200	500	3.0	N
WHE0844S	46 0 26	113 41 50	3.00	1.00	2.00	.30	700	N	N	N	30	700	3.0	N
WHE0846S	46 0 20	113 42 12	3.00	.70	1.50	.30	700	N	N	N	100	500	2.0	N
WHE0848S	46 0 22	113 42 16	2.00	1.50	2.00	.30	500	N	N	N	50	700	2.0	N
WHE0850S	46 0 4	113 42 34	2.00	.50	1.50	.30	300	N	N	N	30	500	2.0	N
WHE1264S	46 7 27	113 37 34	5.00	.70	1.00	.30	1,000	<.5	N	N	50	700	2.0	N
WHE1639S	46 1 28	113 39 46	2.00	.50	2.00	.30	500	<.5	N	N	<10	700	1.5	N
WHE1641S	46 1 38	113 39 52	3.00	.70	3.00	.20	700	N	N	N	20	700	2.0	N
WHE1642S	46 1 36	113 39 54	1.50	.70	2.00	.15	300	N	N	N	50	700	2.0	N
WHE1644S	46 1 22	113 38 31	2.00	.70	1.50	.15	500	<.5	N	N	10	700	2.0	N
WHE1646S	46 1 17	113 38 31	1.50	.50	.30	.15	300	1.5	N	N	100	700	3.0	N
WHE1912S	46 0 10	113 38 12	1.50	.50	.15	.20	500	<.5	N	N	100	700	1.0	N
WHE1914S	46 0 9	113 38 6	1.50	.50	.10	.20	150	N	N	N	150	700	1.5	N
WHE2123S	46 3 42	113 40 12	3.00	1.00	2.00	.30	700	N	N	N	10	1,000	2.0	N
WHE2125S	46 3 22	113 40 13	3.00	1.00	3.00	.30	700	N	N	N	N	1,000	2.0	N
WHE2127S	46 3 18	113 40 15	5.00	.70	2.00	.30	500	N	N	N	N	700	3.0	N
WHE2129S	46 3 3	113 40 32	3.00	.70	3.00	.50	700	N	N	N	10	500	2.0	N
WHE2131S	46 3 6	113 40 45	2.00	.70	2.00	.15	700	N	N	N	N	300	2.0	N
WHE2133S	46 3 13	113 41 9	3.00	1.00	3.00	.30	1,000	N	N	N	N	500	2.0	N
WHE2135S	46 3 17	113 41 12	1.50	.70	1.50	.20	700	N	N	N	30	500	2.0	N
WHE2137S	46 1 45	113 41 54	2.00	1.00	3.00	.20	700	N	N	N	N	500	1.5	N
WHE2139S	46 1 34	113 42 24	3.00	1.00	3.00	.50	700	N	N	N	N	500	2.0	N
WHE2141S	46 1 24	113 42 28	3.00	1.50	3.00	.30	700	N	N	N	20	500	2.0	N

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LATITUDE 46°00'-46°30' LONGITUDE 113°30'-114 00'

TABLE 3. STREAM-SEDIMENT SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°X2° CUSMAP QUADRANGLE, MONTANA (cont.)

SAMPLE	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN
WHE0690S	N	5	50	5	30	N	<20	5	50	N	10	N	500	100	N	30	N
WHE0692S	N	5	50	5	200	N	20	5	70	N	10	N	500	100	N	70	N
WHE0695S	N	7	50	5	30	N	<20	7	70	N	10	N	500	100	N	70	N
WHE0697S	N	<5	20	<5	50	<5	<20	5	50	N	5	N	300	70	N	30	N
WHE0700S	N	7	70	30	30	N	<20	15	30	N	10	N	150	100	N	30	N
WHE0702S	N	7	20	15	30	N	<20	15	30	N	15	N	300	70	N	30	N
WHE0704S	N	7	50	20	50	N	<20	15	30	N	10	N	150	70	N	50	N
WHE0707S	N	7	50	20	50	N	<20	15	50	N	10	N	100	70	N	30	N
WHE0709S	N	7	50	20	50	N	<20	15	30	N	10	N	100	70	N	50	N
WHE0711S	N	7	50	20	50	N	<20	15	50	N	10	N	<100	70	N	50	N
WHE0713S	N	7	50	15	30	N	<20	10	30	N	10	N	100	70	N	50	N
WHE0715S	N	7	30	20	50	N	<20	15	20	N	10	N	100	70	N	30	N
WHE0717S	N	7	30	20	70	N	<20	10	30	N	10	N	150	70	N	70	N
WHE0753S	N	5	20	30	30	N	<20	10	30	N	7	N	100	50	N	20	N
WHE0754S	N	5	20	15	50	N	<20	10	30	N	7	N	100	50	N	30	N
WHE0762S	N	7	30	15	30	N	<20	10	30	N	10	N	200	100	N	50	N
WHE0829S	N	7	30	15	70	N	<20	10	30	N	10	N	300	100	N	70	N
WHE0831S	N	10	30	10	30	N	N	5	20	N	7	N	100	100	N	70	N
WHE0833S	N	10	50	10	100	N	<20	10	50	N	20	N	300	100	N	70	N
WHE0835S	N	10	50	15	30	N	<20	15	30	N	10	N	200	150	N	30	N
WHE0837S	N	7	50	10	30	N	<20	10	30	N	20	N	300	150	N	50	N
WHE0840S	N	10	70	15	150	N	<20	15	50	N	20	N	300	150	N	70	N
WHE0842S	N	7	50	10	30	N	N	10	30	N	10	N	200	100	N	20	N
WHE0844S	N	7	70	10	30	N	<20	10	20	N	15	N	200	100	N	30	N
WHE0846S	N	7	50	10	30	N	20	7	30	N	15	N	200	100	N	50	N
WHE0848S	N	7	50	15	50	N	<20	15	20	N	10	N	<100	50	N	50	N
WHE0850S	N	5	30	10	150	N	<20	10	20	N	7	N	100	50	N	30	N
WHE1264S	N	7	50	20	50	N	<20	15	30	N	15	N	150	70	N	50	N
WHE1639S	N	7	15	5	100	N	20	7	30	N	15	N	300	50	N	100	N
WHE1641S	N	7	20	10	70	N	<20	10	30	N	15	N	300	50	N	30	N
WHE1642S	N	7	15	10	30	N	<20	7	30	N	10	N	300	30	N	20	<200
WHE1644S	N	7	15	10	30	N	<20	10	30	N	10	N	300	50	N	20	<200
WHE1646S	N	7	20	10	30	N	<20	10	30	N	7	N	<100	30	N	20	N
WHE1912S	N	5	50	5	50	N	<20	15	20	N	5	N	<100	30	N	30	N
WHE1914S	N	5	30	<5	30	N	<20	5	20	N	5	N	<100	30	N	20	N
WHE2123S	N	7	50	5	50	N	N	7	30	N	10	N	300	70	N	70	N
WHE2125S	N	7	70	5	200	N	N	7	30	N	15	N	500	100	N	100	N
WHE2127S	N	7	70	7	100	N	20	7	30	N	10	N	300	100	N	50	N
WHE2129S	N	7	20	<5	70	N	<20	<5	30	N	10	N	500	70	N	100	N
WHE2131S	N	5	20	<5	20	N	N	<5	30	N	7	N	300	50	N	20	N
WHE2133S	N	7	50	5	100	N	<20	5	30	N	10	N	500	100	N	70	N
WHE2135S	N	7	30	5	20	N	N	7	20	N	5	N	200	50	N	20	N
WHE2137S	N	7	30	<5	70	N	N	7	30	N	10	N	500	70	N	70	N
WHE2139S	N	5	50	<5	200	N	<20	5	30	N	15	N	300	100	N	100	N
WHE2141S	N	7	20	5	70	N	N	7	30	N	10	N	300	70	N	30	N

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LATITUDE 46°00'-46°30' LONGITUDE 113°30'-114°00'
TABLE 3. STREAM-SEDIMENT SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°X2° CUSMAP QUADRANGLE, MONTANA (cont.)

SAMPLE	S-ZR	S-TH	AA-CU	AA-PB	AA-ZN	AA-AG	AA-CB	AA-BI	AA-SB
WHE0690S	100	N	.20	.5	.7	<.02	.02	<.5	<1.0
WHE0692S	200	N	.30	.7	1.5	<.02	.02	<.5	<1.0
WHE0695S	150	N	.40	.8	2.0	<.02	.02	<.5	<1.0
WHE0697S	700	N	.30	.7	.9	<.02	.03	<.5	<1.0
WHE0700S	500	N	1.40	1.4	2.7	<.02	.03	<.5	<1.0
WHE0702S	150	N	.60	.8	2.0	<.02	.02	<.5	<1.0
WHE0704S	150	N	1.80	2.2	4.0	.02	.03	<.5	<1.0
WHE0707S	200	N	1.20	2.2	2.3	<.02	.04	<.5	<1.0
WHE0709S	300	N	1.30	1.8	4.5	<.02	.05	<.5	<1.0
WHE0711S	200	N	1.50	2.7	3.2	<.02	.07	<.5	<1.0
WHE0713S	300	N	1.30	1.2	3.2	<.02	.06	<.5	<1.0
WHE0715S	300	N	1.10	1.2	2.7	<.02	.05	<.5	<1.0
WHE0717S	200	N	1.80	1.2	3.5	.03	.07	<.5	<1.0
WHE0753S	150	N	.70	1.5	1.6	<.02	.03	<.5	<1.0
WHE0754S	150	N	1.00	1.5	2.3	<.02	.03	<.5	<1.0
WHE0762S	150	N	.70	1.0	2.0	<.02	.02	<.5	<1.0
WHE0829S	500	N	.20	<.5	.9	<.02	.03	<.5	<1.0
WHE0831S	500	N	.20	.5	1.3	<.02	.04	<.5	<1.0
WHE0833S	700	N	.30	.5	3.0	.02	.09	<.5	<1.0
WHE0835S	300	N	.70	1.0	2.0	.05	.05	<.5	<1.0
WHE0837S	1,000	N	.30	<.5	2.0	.02	.06	<.5	<1.0
WHE0843S	700	N	.40	.5	3.0	.02	.05	<.5	<1.0
WHE0842S	700	N	.20	<.5	1.5	<.02	.04	<.5	<1.0
WHE0844S	500	N	.30	<.5	1.3	.04	.04	<.5	<1.0
WHE0846S	500	N	.30	<.5	1.5	.02	.04	<.5	<1.0
WHE0848S	200	N	.60	.5	1.5	.02	.05	<.5	<1.0
WHE0850S	300	N	.60	.5	3.0	.03	.07	<.5	<1.0
WHE1264S	150	N	1.80	1.5	1.4	.03	<.02	<.5	<1.0
WHE1639S	150	N	.50	<.5	1.0	.02	.03	<.5	<1.0
WHE1641S	150	N	.50	.5	2.1	.02	.05	<.5	<1.0
WHE1642S	100	N	.90	.7	17.0	<.02	2.20	<.5	<1.0
WHE1644S	100	N	.60	.8	18.0	.03	2.20	<.5	<1.0
WHE1646S	200	N	.80	2.4	1.2	1.00	.14	<.5	<1.0
WHE1912S	200	N	.45	.8	.6	.02	.06	<.5	<1.0
WHE1914S	300	N	.30	<.5	.2	<.02	<.02	<.5	<1.0
WHE2123S	150	N	N	5.0	7.0	<.05	.10	N	N
WHE2125S	200	N	1.00	4.0	9.0	.05	.10	N	N
WHE2127S	1,000	N	3.00	8.0	15.0	.15	.25	N	1.0
WHE2129S	1,000	N	N	3.0	9.0	<.05	.10	N	N
WHE2131S	150	N	N	4.0	12.0	.05	.14	N	N
WHE2133S	300	N	1.00	7.0	20.0	.08	.29	N	1.0
WHE2135S	150	N	2.00	5.0	15.0	.09	.20	N	N
WHE2137S	150	N	1.00	5.0	15.0	.10	.45	N	N
WHE2139S	200	N	N	3.0	7.0	<.05	.15	N	N
WHE2141S	150	N	N	4.0	12.0	.13	.25	N	N

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LATITUDE 46°00'-46°30' LONGITUDE 113°30'-114 00'

TABLE 3. STREAM-SEDIMENT SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°X2° CUSMAP QUADRANGLE, MONTANA (cont)

SAMPLE	LATITUDE	LONGITUDE	S-FEX	S-MGX	S-CAX	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE	S-BI
WHE2143S	46 1 3	113 41 32	5.00	1.50	3.00	.50	1,000	N	N	N	N	500	1.5	N
WHE2145S	46 0 56	113 42 2	7.00	1.00	2.00	.20	1,000	N	N	N	N	500	2.0	N
WHE5319S	46 4 30	113 40 9	3.00	.70	2.00	.20	500	N	N	N	10	700	2.0	N
WHE5321S	46 2 22	113 40 0	3.00	.70	2.00	.20	500	N	N	N	20	500	2.0	N
WHE5322S	46 2 22	113 40 1	3.00	.50	2.00	.30	300	N	N	N	30	500	2.0	N
WIM1310S	46 17 49	113 59 26	2.00	.50	1.50	.20	500	N	N	N	10	700	1.5	N
WIM1312S	46 17 43	113 58 52	2.00	1.00	7.00	.20	300	N	N	N	<10	700	2.0	N
WIM1316S	46 17 46	113 58 11	3.00	.70	7.00	.30	700	N	N	N	10	1,000	1.5	N
WIM1318S	46 17 9	113 56 43	2.00	.70	5.00	.30	700	N	N	N	20	700	3.0	N
WIM1320S	46 17 38	113 56 16	3.00	.70	3.00	.30	500	N	N	N	<10	700	1.5	N
WIM1322S	46 16 19	113 59 1	3.00	3.00	10.00	.30	500	N	N	N	10	700	1.5	N
WIM1324S	46 17 5	113 59 27	2.00	.50	1.50	.30	500	N	N	N	20	1,000	2.0	N
WIM1326S	46 16 29	113 57 8	5.00	1.50	7.00	.70	1,000	N	N	N	10	700	1.5	N
WIM1328S	46 17 41	113 53 20	3.00	1.50	1.50	.30	700	N	N	N	300	500	2.0	N
WIM1330S	46 17 27	113 54 45	3.00	1.50	5.00	.30	700	N	N	N	10	500	1.5	N
WIM1332S	46 16 17	113 55 38	7.00	3.00	7.00	.70	1,000	N	N	N	10	700	<1.0	N
WIM1334S	46 19 45	113 57 21	2.00	1.00	20.00	.20	700	N	N	N	30	500	1.0	N
WIM1336S	46 19 50	113 59 44	3.00	2.00	7.00	.30	700	N	N	N	50	1,000	1.5	N
WIM1339S	46 20 50	113 59 16	2.00	2.00	15.00	.20	300	N	N	N	30	500	1.5	N
WIM1341S	46 22 18	113 59 40	3.00	2.00	7.00	.30	300	N	N	N	50	700	1.5	N
WIM1343S	46 21 49	113 59 0	3.00	2.00	15.00	.20	300	N	N	N	70	200	<1.0	N
WIM1347S	46 22 1	113 57 24	1.00	1.00	20.00	.10	1,000	N	N	N	100	300	1.5	N
WIM1360S	46 22 25	113 55 4	3.00	.70	.70	.50	300	N	N	N	50	300	2.0	N
WIM1369S	46 17 37	113 54 54	2.00	1.50	3.00	.30	500	N	N	N	100	500	3.0	N
WIM1371S	46 17 43	113 55 18	2.00	1.00	2.00	.30	300	N	N	N	70	1,000	3.0	N
WIM1373S	46 17 43	113 59 52	1.50	1.00	2.00	.20	300	N	N	N	30	700	3.0	N
WIM1730S	46 21 0	113 55 39	3.00	2.00	5.00	.30	700	N	N	N	100	300	2.0	N
WIM1732S	46 20 43	113 56 2	3.00	2.00	5.00	.30	500	N	N	N	50	150	1.5	N
WIM1734S	46 21 25	113 56 0	3.00	.70	.70	.50	300	N	N	N	70	300	2.0	N
WIM1736S	46 21 52	113 55 49	3.00	1.00	5.00	.30	1,500	N	N	N	70	300	1.5	N
WIM2604S	46 15 18	113 54 1	15.00	5.00	15.00	.70	2,000	N	N	N	10	500	<1.0	N
WIM2606S	46 15 20	113 54 8	10.00	3.00	15.00	.70	1,500	N	N	N	N	500	<1.0	N
WIM4283S	46 20 22	113 53 10	1.50	.30	.30	.20	200	N	N	N	100	300	1.5	N
WIM4285S	46 18 42	113 53 45	2.00	1.50	1.50	.50	300	N	N	N	100	300	1.5	N
WIM4287S	46 18 3	113 53 46	.70	.15	.50	.10	150	N	N	N	50	200	3.0	N

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LATITUDE 46°00'-46°30' LONGITUDE 113°30'-114 00'

TABLE 3. STREAM-SEDIMENT SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°X2° CUSMAP QUADRANGLE,MONTANA (cont.)

SAMPLE	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SM	S-SR	S-V	S-W	S-Y	S-ZN
WHE2143S	N	7	50	5	70	N	N	10	30	N	10	N	300	70	N	50	N
WHE2145S	N	7	50	7	200	N	N	5	30	N	10	N	300	150	N	50	N
WHE319S	N	7	20	5	50	N	<20	10	30	N	7	N	300	50	N	50	N
WHE321S	N	7	20	10	70	N	<20	10	30	N	7	N	300	70	N	30	N
WHE322S	N	7	15	7	70	N	<20	7	30	N	7	N	300	50	N	50	N
WIM1310S	N	7	10	10	50	N	<20	7	30	N	7	N	500	30	N	20	N
WIM1312S	N	7	15	5	70	N	<20	7	20	N	7	N	500	30	N	20	N
WIM1316S	N	7	20	15	70	N	<20	10	30	N	7	N	500	50	N	30	N
WIM1318S	N	7	15	15	70	N	<20	10	30	N	10	N	500	50	N	50	N
WIM1320S	N	7	15	10	100	N	<20	7	20	N	7	N	500	50	N	30	N
WIM1322S	N	7	50	15	50	N	<20	15	10	N	10	N	200	50	N	50	N
WIM1324S	N	7	15	15	50	N	<20	7	30	N	7	N	500	50	N	20	N
WIM1326S	N	10	50	20	30	N	<20	10	15	N	15	N	300	150	N	50	N
WIM1328S	N	7	50	20	150	N	<20	20	15	N	10	N	100	50	N	50	N
WIM1330S	N	7	50	20	50	N	<20	20	15	N	10	N	200	50	N	50	N
WIM1332S	N	20	50	30	100	N	<20	15	15	N	15	N	500	300	N	100	N
WIM1334S	N	7	20	20	30	N	<20	15	10	N	10	N	150	30	N	70	N
WIM1336S	N	7	70	20	50	N	<20	15	20	N	10	N	300	50	N	30	N
WIM1339S	N	7	50	10	30	N	<20	15	10	N	10	N	100	30	N	20	N
WIM1341S	N	7	50	20	50	<5	<20	20	20	N	10	N	200	50	N	30	N
WIM1343S	N	7	30	15	300	N	<20	10	15	N	10	N	100	50	N	30	N
WIM1347S	N	5	15	10	20	N	<20	7	10	N	5	N	150	20	N	15	N
WIM1360S	N	10	50	20	70	N	<20	20	15	N	7	N	<100	50	N	50	N
WIM1369S	N	7	70	20	50	N	<20	15	20	N	5	N	<100	50	N	30	N
WIM1371S	N	5	20	15	150	N	<20	10	30	N	5	N	300	50	N	30	N
WIM1373S	N	<5	15	10	50	N	<20	5	30	N	5	N	500	50	N	15	N
WIM1730S	N	7	50	20	50	N	<20	15	20	N	10	N	<100	50	N	100	N
WIM1732S	N	7	30	20	70	N	<20	15	15	N	10	N	<100	50	N	30	N
WIM1734S	N	7	50	20	50	N	<20	20	20	N	10	N	<100	70	N	50	N
WIM1736S	N	7	50	20	30	5	<20	15	30	N	10	N	100	70	N	30	N
WIM2604S	N	50	100	150	30	N	N	30	10	N	70	N	700	700	N	70	N
WIM2606S	N	30	100	150	20	N	N	20	10	N	50	N	1,000	700	N	30	N
WIM4283S	N	7	15	10	30	N	N	10	10	N	5	N	N	30	N	20	N
WIM4285S	N	7	20	15	70	N	<20	10	15	N	5	N	100	50	N	20	N
WIM4287S	N	N	<10	15	30	N	N	5	<10	N	5	N	N	20	N	50	N

CHAPTER F

LATITUDE 46°00'-46°30' LONGITUDE 113°30'-114 00'
 TABLE 3. STREAM-SEDIMENT SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°X2° CUSMAP QUADRANGLE, MONTANA (cont.)

SAMPLE	S-ZR	S-TH	AA-CU	AA-PB	AA-ZN	AA-AG	AA-CB	AA-BI	AA-SB
WHE2143S	100	N	N	7.0	25.0	.16	.45	N	1.0
WHE2145S	300	N	2.00	10.0	23.0	.24	.55	1.0	1.0
WHE5319S	200	N	2.00	4.0	5.0	.07	.05	1.0	1.0
WHE5321S	200	N	3.00	6.0	9.0	.12	.06	1.0	2.0
WHE5322S	300	N	2.00	6.0	5.0	.10	.10	1.0	1.0
WIM1310S	150	N	4.00	6.0	25.0	<.05	.10	<.5	<1.0
WIM1312S	150	N	3.00	3.0	10.0	<.05	.06	<.5	<1.0
WIM1316S	150	N	6.00	4.0	12.0	<.05	.10	<.5	<1.0
WIM1318S	150	N	7.00	4.0	12.0	.09	.11	<.5	<1.0
WIM1320S	150	N	4.00	4.0	35.0	<.05	.07	<.5	<1.0
WIM1322S	150	N	5.00	2.0	6.0	<.05	<.05	<.5	<1.0
WIM1324S	300	N	7.00	5.0	15.0	<.05	.10	<.5	<1.0
WIM1326S	700	N	10.00	4.0	40.0	<.05	.06	<.5	<1.0
WIM1328S	200	N	12.00	5.0	5.0	<.05	.08	.5	1.0
WIM1330S	150	N	18.00	6.0	10.0	.06	.12	<.5	<1.0
WIM1332S	150	N	15.00	5.0	8.0	<.05	.08	<.5	<1.0
WIM1334S	100	N	28.00	3.0	20.0	.06	.17	<.5	1.0
WIM1336S	150	N	10.00	8.0	20.0	<.05	.13	<.5	<1.0
WIM1339S	200	N	5.00	2.0	20.0	<.05	.08	<.5	<1.0
WIM1341S	200	N	15.00	9.0	12.0	.08	.24	<.5	<1.0
WIM1343S	100	N	5.00	2.0	6.0	<.05	.06	<.5	<1.0
WIM1347S	70	N	5.00	3.0	22.0	<.05	.10	<.5	<1.0
WIM1360S	150	N	15.00	5.0	8.0	.06	.07	<1.0	<1.0
WIM1369S	200	N	5.00	6.0	9.0	N	.23	2.0	2.0
WIM1371S	300	N	5.00	3.0	4.0	.06	.12	N	1.0
WIM1373S	100	N	13.00	4.0	5.0	N	.16	N	2.0
WIM1730S	200	N	12.00	7.0	7.0	<.05	.15	<1.0	<1.0
WIM1732S	150	N	9.00	3.0	5.0	<.05	.08	<1.0	<1.0
WIM1734S	500	N	11.00	6.0	5.0	.08	.15	<1.0	<1.0
WIM1736S	150	N	9.00	14.0	20.0	.10	.35	<1.0	<1.0
WIM2604S	70	N	133.00	5.0	18.0	N	.24	1.0	N
WIM2606S	50	N	87.00	4.0	21.0	.20	.22	1.0	N
WIM4283S	200	N	13.00	7.0	8.0	<.05	.13	N	N
WIM4285S	300	N	13.00	6.0	13.0	<.05	.15	N	N
WIM4287S	50	N	38.00	8.0	20.0	.41	.30	N	N