UNITED STATES DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

Coordinates for and analytical values of 109 rock, 377 stream sediment and soil, and 237 panned-concentrate samples included in the Butte 1° x 2° quadrangle between the latitudes of 46°30'00" and 47°00'00" N., and the longitudes of 113°00'00" and 113°30'00" W.

by

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

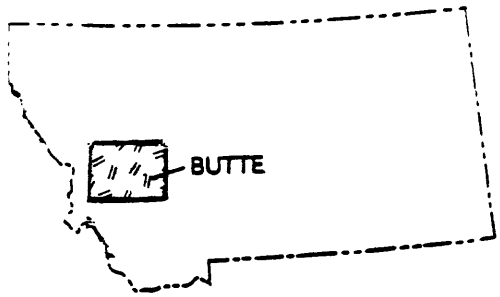
Open-File Report 82-617-C

1982

Chapter C

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

B 221 r 494 s 261 p	C 109 r 377 s 237 p	D 21 r 158 s 91 p	E 43 r 19 p
F 486 r 711 s 784 p	G 322 r 327 s 369 p	H 78 r 275 s 220 p	I 30 r 7 p

47°00′
46°30′
46°00′
114°00′ 113°30′ 113°00′ 112°30′ 112°00′

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

CHAPTER C

LATITUDE 46°30′-47°00′ LONGITUDE 113°00′-113°30′

TABLE1. ROCK 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
BAT7850R	46 52 47	113 22 9	<.05	.05	.10	.003	20	1.5	N	N	N	>5,000	N
BAT7851R	46 52 47	113 22 9	7.00	3.00	5.00	.500	1,500	N	N	N	N	5,000	1.0
BAT7852R	46 52 47	113 22 9	3.00	1.50	5.00	.500	500	7.0	N	N	300	1,500	1.5
BEM5802R	46 42 24	113 23 17	.30	.05	<.05	.030	20	<.5	N	N	30	100	<1.0
BEM7826R	46 33 28	113 29 55	3.00	3.00	.70	.500	700	N	N	N	150	1,000	2.0
BEM7999R	46 34 24	113 27 42	5.00	.70	<.05	.200	200	N	N	N	500	200	3.0
CL80025B	46 55 41	113 22 11	.05	1.00	>20.00	.010	200	N	N	N	N	N	N
DRU1585R	46 30 8	113 10 13	5.00	.30	20.00	.150	300	3.0	200	N	100	150	1.0
DRU1586R	46 30 8	113 10 13	.50	.07	5.00	.030	300	5.0	N	N	70	100	1.0
DRU2443R	46 32 21	113 7 50	5.00	2.00	3.00	.300	700	N	N	N	10	1,500	1.0
DRU2445R	46 31 40	113 7 48	5.00	2.00	15.00	.200	700	<.5	N	N	70	500	7.0
DRU7832R	46 41 35	113 3 3	.15	.70	>20.00	.050	300	<.5	N	N	15	30	N
DRU7833R	46 42 5	113 1 42	7.00	5.00	5.00	.500	1,000	N	N	N	N	5,000	1.0
E0001A	46 50 30	113 22 55	1.50	.30	1.50	.150	500	20.0	N	30	70	500	2.0
E0001C	46 50 30	113 22 55	1.50	10.00	20.00	.005	1,500	2.0	N	N	N	150	N
E0002A	46 50 45	113 23 0	7.00	.30	.10	.150	300	15.0	N	N	100	200	2.0
E0004A	46 50 25	113 23 30	5.00	1.50	.50	.700	500	N	N	N	300	700	1.5
E0004B	46 50 25	113 23 30	7.00	2.00	20.00	.200	3,000	2.0	N	N	N	100	1.5
E0005A	46 50 25	113 23 40	.50	.03	.05	.150	20	N	N	N	10	150	1.0
E0007B	46 50 20	113 23 55	2.00	.70	1.00	.300	500	1.5	N	N	<10	2,000	1.5
E0010A	46 50 20	113 21 55	3.00	2.00	3.00	.300	1,000	N	N	N	10	1,500	1.5
E0011A	46 50 0	113 19 45	3.00	2.00	3.00	.300	1,000	N	N	N	50	1,500	1.0
E0137A	46 48 45	113 19 55	3.00	.70	<.05	.070	2,000	20.0	N	<10	<10	100	1.0
E0137B	46 48 45	113 19 55	7.00	.30	<.05	.100	70	1.5	N	N	10	150	1.5
E0138A	46 48 45	113 19 40	1.50	<.02	<.05	.005	50	1.0	N	N	N	70	1.5
E0139A	46 48 55	113 18 0	10.00	<.02	<.05	<.002	70	7.0	N	N	N	20	1.0
E0140A	46 49 0	113 17 45	10.00	.02	.05	.015	50	5.0	N	<10	N	30	3.0
E0141A	46 48 55	113 16 10	10.00	1.00	15.00	.005	2,000	100.0	N	N	N	30	1.5
E0142A	46 49 0	113 16 15	7.00	3.00	15.00	.030	2,000	N	N	N	N	100	1.5
E0142B	46 49 0	113 16 15	10.00	1.50	20.00	.200	5,000	N	N	N	10	150	1.0
E0142C	46 49 0	113 16 15	3.00	1.50	2.00	.500	700	N	N	N	N	1,500	1.5
E0143A	46 49 30	113 15 30	10.00	1.50	10.00	.010	5,000	100.0	N	N	N	20	7.0
E0144A	46 49 20	113 15 20	5.00	1.50	15.00	.100	5,000	<.5	N	N	N	<20	7.0
E0145A	46 50 45	113 23 5	1.50	.30	.20	.150	500	3.0	N	N	300	150	2.0
E0145B	46 50 45	113 23 5	3.00	1.00	.30	.200	300	2.0	N	N	300	500	2.0
E0145C	46 50 45	113 23 5	5.00	1.50	1.00	.300	700	<.5	N	N	200	700	1.5
E0145D	46 50 45	113 23 5	7.00	.15	.07	.100	100	70.0	200	N	300	150	1.5
E0146A	46 49 25	113 19 45	15.00	.50	20.00	.050	5,000	N	N	N	N	20	N
E0146B	46 49 25	113 19 45	1.50	.02	<.05	.015	15	1.5	N	N	<10	20	1.0
E0148A	46 49 40	113 20 40	5.00	.07	<.05	.030	10	100.0	N	30	10	50	<1.0
E0148B	46 49 40	113 20 40	1.00	.03	.20	N	<10	1,000.0	7,000	20	N	5,000	<1.0
E0148C	46 49 40	113 20 40	1.50	<.02	<.05	N	<10	150.0	1,500	15	10	>5,000	<1.0
E0149A	46 48 30	113 27 10	7.00	.05	.07	.200	300	1.0	N	N	<10	150	7.0
E0149B	46 48 30	113 27 10	1.00	<.02	.07	.200	70	3.0	1,500	N	N	300	1.0
E0149C	46 48 30	113 27 10	2.00	.30	15.00	.150	1,000	30.0	>10,000	N	N	200	1.0

LATITUDE 46°30'-47°00' LONGITUDE 113°00'-113°30'

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
BAT7850R	N	N	N	<10	<5	<20	N	N	N	<10	N	<5	N	>5,000	<10	N
BAT7851R	N	N	10	50	20	70	N	N	20	30	N	15	N	500	150	N
BAT7852R	N	N	7	50	5	70	N	<20	10	20	N	15	N	300	150	N
BEM5802R	N	N	5	10	10	20	N	N	5	20	N	N	N	N	20	N
BEM7826R	N	N	10	70	<5	50	N	<20	30	15	N	10	N	N	100	N
BEM7999R	N	N	7	30	<5	30	N	<20	20	10	N	5	N	N	70	N
CL80025B	N	N	N	N	<5	<20	N	N	N	<10	N	N	N	300	10	N
DRU1585R	N	N	5	200	30	300	100	N	100	20	N	N	N	700	200	N
DRU1586R	N	N	N	100	10	50	N	N	15	30	N	N	N	500	70	N
DRU2443R	N	N	10	15	<5	30	N	N	5	20	N	10	N	700	150	N
DRU2445R	N	N	7	100	30	150	N	<20	30	50	N	15	N	500	100	N
DRU7832R	N	N	N	15	5	<20	N	N	<5	50	N	5	N	150	15	N
DRU7833R	N	N	15	200	30	200	N	30	150	50	N	15	N	2,000	150	N
E0001A	30	N	7	20	300	20	7	N	7	1,000	<100	7	N	<100	70	<50
E0001C	N	N	N	N	20	<20	N	N	<5	500	N	<5	N	200	15	N
E0002A	20	N	10	20	1,500	20	50	N	10	700	500	7	N	N	100	<50
E0004A	N	N	15	100	30	70	N	N	50	20	N	15	N	150	100	N
E0004B	<10	N	10	100	700	20	N	N	15	20	N	10	N	200	50	N
E0005A	N	N	N	20	20	20	N	N	<5	<10	N	<5	N	N	20	N
E0007B	N	N	10	50	20	50	N	N	15	50	N	5	N	500	70	N
E0010A	N	N	7	30	10	30	N	N	7	30	N	10	N	700	100	N
E0011A	N	N	7	70	20	<20	N	N	10	30	N	10	N	500	70	N
E0137A	N	N	<5	15	70	<20	N	N	5	10	N	N	N	N	20	N
E0137B	N	N	N	20	70	20	<5	N	5	<10	N	<5	N	N	50	<50
E0138A	N	N	N	10	30	20	N	N	5	<10	N	N	N	N	10	N
E0139A	20	N	5	15	1,500	20	70	N	7	100	300	N	N	N	100	N
E0140A	30	N	10	15	700	<20	50	N	5	50	150	N	N	N	15	N
E0141A	N	N	10	10	>20,000	<20	N	N	5	<10	<100	N	N	N	30	50
E0142A	N	N	7	15	1,500	20	N	N	7	15	N	<5	N	N	70	N
E0142B	N	N	7	70	300	N	N	N	15	10	N	7	N	200	150	N
E0142C	N	N	7	50	15	50	N	N	20	30	N	10	N	1,000	150	N
E0143A	15	N	30	10	20,000	<20	7	N	30	15	<100	N	N	N	100	50
E0144A	N	N	7	N	50	<20	30	N	7	<10	N	<5	20	300	150	200
E0145A	N	N	7	10	20	30	N	N	7	150	<100	5	N	N	70	N
E0145B	N	N	10	15	70	20	N	N	10	300	<100	7	N	150	70	N
E0145C	N	N	10	50	30	70	N	N	15	100	<100	10	N	300	100	N
E0145D	<10	N	<5	20	3,000	70	20	N	7	5,000	1,500	5	N	N	150	N
E0146A	N	N	15	<10	150	N	<5	N	5	20	N	N	15	N	300	<50
E0146B	10	N	<5	N	30	<20	20	N	<5	30	N	N	N	N	10	N
E0148A	15	N	7	N	100	<20	10	N	10	7,000	<100	N	N	N	10	N
E0148B	300	500	10	N	>20,000	50	<5	N	5	10,000	>10,000	N	N	150	N	N
E0148C	100	100	7	N	20,000	50	N	N	5	500	10,000	N	N	150	N	N
E0149A	N	N	15	30	3,000	<20	10	<20	70	150	<100	N	N	<100	15	N
E0149B	<10	N	<5	30	>20,000	<20	<5	N	7	150	200	<5	70	300	15	N
E0149C	150	N	7	50	>20,000	30	N	N	15	1,000	1,500	<5	1,000	100	15	N

LATITUDE 46°30′-47°00′ LONGITUDE 113°00′-113°30′

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
BAT7850R	<10	N	N	N	--	<1	<1	<1	<.05	.10	1	N
BAT7851R	20	N	150	N	--	1	1	2	<.05	.10	1	1
BAT7852R	20	N	150	N	--	1	3	17	<.05	.20	<1	N
BEM5802R	N	N	30	N	--	2	1	1	N	<.05	N	1
BEM7826R	70	N	500	N	--	<1	1	2	<.05	.15	1	1
BEM7999R	15	500	200	N	--	<1	1	34	<.05	.15	<1	N
CL80025B	<10	N	<10	N	N	--	--	--	--	--	--	--
DRU1585R	300	500	100	N	--	5	3	45	.27	.35	N	N
DRU1586R	150	N	30	N	--	2	10	26	.24	1.50	N	N
DRU2443R	20	N	100	N	--	N	3	1	N	<.05	N	N
DRU2445R	300	200	70	N	--	25	29	200	.36	1.00	1	N
DRU7832R	10	N	30	N	--	<1	12	<1	.09	.45	2	1
DRU7833R	20	N	300	N	--	7	4	29	<.05	.15	1	N
E0001A	10	N	150	N	7.80	--	--	--	--	--	--	--
E0001C	N	N	<10	N	.35	--	--	--	--	--	--	--
E0002A	15	<200	100	N	33.30	--	--	--	--	--	--	--
E0004A	30	N	300	N	<.05	--	--	--	--	--	--	--
E0004B	30	N	150	N	<.05	--	--	--	--	--	--	--
E0005A	<10	N	150	N	<.05	--	--	--	--	--	--	--
E0007B	10	N	150	N	<.05	--	--	--	--	--	--	--
E0010A	20	N	100	N	<.05	--	--	--	--	--	--	--
E0011A	20	N	30	N	<.05	--	--	--	--	--	--	--
E0137A	N	N	30	N	50.00	--	--	--	--	--	--	--
E0137B	10	N	300	N	3.00	--	--	--	--	--	--	--
E0138A	N	N	N	N	3.30	--	--	--	--	--	--	--
E0139A	15	N	N	N	5.70	--	--	--	--	--	--	--
E0140A	N	N	N	N	21.00	--	--	--	--	--	--	--
E0141A	N	N	N	N	.30	--	--	--	--	--	--	--
E0142A	10	700	N	N	<.05	--	--	--	--	--	--	--
E0142B	15	N	100	N	<.05	--	--	--	--	--	--	--
E0142C	20	N	150	N	<.05	--	--	--	--	--	--	--
E0143A	N	300	N	N	.45	--	--	--	--	--	--	--
E0144A	15	N	20	N	.14	--	--	--	--	--	--	--
E0145A	10	N	100	N	1.20	--	--	--	--	--	--	--
E0145B	15	<200	150	N	.22	--	--	--	--	--	--	--
E0145C	15	N	100	N	.20	--	--	--	--	--	--	--
E0145D	20	<200	30	N	46.00	--	--	--	--	--	--	--
E0146A	<10	N	N	N	<.05	--	--	--	--	--	--	--
E0146B	N	N	10	N	35.00	--	--	--	--	--	--	--
E0148A	N	N	10	N	167.00	--	--	--	--	--	--	--
E0148B	N	7,000	N	N	26.00	--	--	--	--	--	--	--
E0148C	N	7,000	<10	N	29.00	--	--	--	--	--	--	--
E0149A	20	N	150	N	<.05	--	--	--	--	--	--	--
E0149B	N	N	70	N	.57	--	--	--	--	--	--	--
E0149C	30	1,000	50	N	.35	--	--	--	--	--	--	--

LATITUDE 46°30′-47°00′ LONGITUDE 113°00′-113°30′

TABLE 1. ROCK 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
E0150A	46 48 30	113 27 15	1.00	.02	.05	.200	50	7.0	3,000	N	N	700	N
E0151A	46 48 20	113 27 15	20.00	.03	.10	.100	70	50.0	7,000	N	N	1,000	3.0
E0154A	46 48 35	113 18 55	>20.00	.30	3.00	.100	700	<.5	N	N	N	30	N
E0154B	46 48 35	113 18 55	15.00	3.00	10.00	.015	1,500	2.0	N	N	N	200	<1.0
E0154C	46 48 35	113 18 55	>20.00	.10	.15	.015	300	3.0	N	N	N	70	N
E0154D	46 48 35	113 18 55	15.00	5.00	7.00	.010	1,500	N	N	N	N	30	<1.0
E0154E	46 48 35	113 18 55	15.00	5.00	5.00	.015	1,500	50.0	N	N	N	30	1.5
E0155A	46 49 35	113 19 35	15.00	3.00	20.00	.100	3,000	N	N	N	N	20	<1.0
E0155B	46 49 35	113 19 35	10.00	1.50	20.00	.100	2,000	N	N	N	N	20	N
E0155C	46 49 35	113 19 35	15.00	7.00	7.00	.030	2,000	15.0	N	N	N	700	2.0
E0155D	46 49 35	113 19 35	15.00	1.00	20.00	.030	2,000	.7	N	N	N	30	N
E0155E	46 49 35	113 19 35	15.00	2.00	20.00	.070	3,000	N	N	N	N	30	<1.0
E0160A	46 44 23	113 18 28	3.00	1.00	3.00	.300	1,000	N	N	N	N	1,000	1.5
E0173A	46 30 58	113 5 10	5.00	<.02	.50	.005	1,500	300.0	500	N	N	<20	N
E0173B	46 30 58	113 5 10	15.00	.10	.15	.020	1,500	10.0	N	N	N	70	N
E0174A	46 31 51	113 4 6	7.00	.50	.15	.050	700	100.0	1,000	N	<10	100	N
E0174B	46 31 51	113 4 6	5.00	5.00	5.00	.300	1,000	N	N	N	10	700	N
E0174C	46 31 51	113 4 6	2.00	.03	<.05	.020	150	300.0	3,000	N	N	70	N
E0175A	46 32 15	113 3 2	3.00	.05	.07	.050	1,000	1,000.0	3,000	N	<10	50	N
E0183A	46 30 2	113 24 8	1.50	<.02	.05	.003	200	1,000.0	10,000	N	N	>5,000	N
ELV0196R	46 49 39	113 20 42	.70	.07	.50	.010	200	20.0	200	30	<10	1,500	N
ELV0197R	46 49 39	113 20 42	1.50	7.00	15.00	.150	300	7.0	N	N	70	200	1.0
ELV0198R	46 49 39	113 20 42	10.00	1.50	5.00	.100	700	15.0	N	N	N	20	<1.0
ELV0199R	46 49 39	113 20 42	3.00	1.50	3.00	.300	700	N	N	N	30	700	1.5
ELV10200	46 49 25	113 20 6	5.00	.15	.07	.070	200	100.0	N	<10	20	>5,000	1.0
ELV1021R	46 49 25	113 20 6	3.00	1.50	2.00	.300	700	N	N	N	10	700	1.5
ELV1022R	46 49 25	113 20 6	3.00	.70	.05	.500	200	1.5	N	N	70	1,000	3.0
ELV5838R	46 49 23	113 20 7	3.00	2.00	3.00	.500	700	N	N	N	20	1,000	2.0
ELV5839R	46 49 23	113 20 7	.70	.10	<.05	.100	30	5.0	N	N	<10	>5,000	1.0
ELV5840R	46 49 23	113 19 2	7.00	.30	<.05	.150	30	5.0	N	N	50	500	1.5
ELV5843R	46 48 58	113 17 55	.15	.20	7.00	.007	100	N	N	N	N	70	<1.0
ELV5976R	46 48 3	113 16 44	.15	1.50	3.00	<.002	300	30.0	300	N	30	N	N
ELV5981R	46 49 6	113 19 51	.70	.02	<.05	.010	200	10.0	N	<10	N	200	<1.0
ELV5982R	46 49 6	113 19 51	2.00	.70	.07	.300	70	N	N	N	20	150	1.5
ELV5983R	46 49 38	113 20 40	.70	5.00	10.00	.050	300	<.5	N	N	30	500	<1.0
ELV5988R	46 49 18	113 15 20	10.00	1.00	15.00	.050	5,000	5.0	N	N	N	100	1.5
GNG48540	46 52 44	113 22 34	5.00	1.50	2.00	.300	1,000	N	N	N	10	700	1.5
GNG4855R	46 52 45	113 22 33	5.00	1.50	.50	.500	500	N	N	N	50	>5,000	2.0
GNG4857R	46 52 44	113 22 34	7.00	2.00	3.00	.500	1,000	N	N	N	20	2,000	1.0
UNI0190R	46 50 32	113 22 55	.70	.15	.30	.070	200	500.0	1,500	100	70	150	1.0
UNI0191R	46 50 32	113 22 55	5.00	1.50	3.00	.500	700	N	N	N	10	1,000	1.5
UNI0192R	46 50 32	113 22 55	.20	3.00	20.00	.020	150	1.0	N	N	<10	N	<1.0
UNI0193R	46 50 32	113 22 55	2.00	.30	2.00	.200	700	7.0	N	N	200	300	1.5
UNI0194R	46 50 32	113 22 55	1.50	2.00	10.00	.150	1,000	7.0	N	N	150	200	1.5
UNI49230	46 50 32	113 22 55	1.00	.30	5.00	.050	300	20.0	N	<10	50	300	1.5

CHAPTER C

LATITUDE 46°30′-47°00′ LONGITUDE 113°00′-113°30′

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
E0150A	N	N	5	15	7,000	<20	N	N	5	50	200	N	70	N	15	N
E0151A	15	N	20	15	>20,000	<20	N	N	50	200	700	5	150	N	150	N
E0154A	N	N	N	20	1,000	<20	70	N	<5	20	N	5	N	N	70	N
E0154B	N	N	200	15	3,000	N	10	N	10	50	N	N	N	N	100	<50
E0154C	N	N	300	30	3,000	N	10	N	30	15	N	N	N	N	10	N
E0154D	N	N	20	10	700	N	N	N	<5	10	N	N	N	N	100	N
E0154E	N	N	30	15	>20,000	N	300	N	10	10	N	N	N	N	50	300
E0155A	N	N	30	30	500	<20	100	N	20	15	N	5	<10	N	300	300
E0155B	N	N	10	30	70	<20	50	N	7	10	N	5	N	<100	300	200
E0155C	N	N	70	10	20,000	N	300	N	50	15	N	N	N	<100	150	700
E0155D	N	N	20	10	15,000	N	200	N	5	20	N	N	<10	N	700	300
E0155E	N	N	15	20	100	N	150	N	15	20	N	5	50	150	500	700
E0160A	N	N	7	<10	<5	20	N	N	5	20	N	7	N	700	70	N
E0173A	N	>500	N	10	15,000	N	N	N	<5	>20,000	700	N	100	N	<10	N
E0173B	N	>500	5	<10	5,000	N	N	N	<5	200	N	N	N	N	15	N
E0174A	N	N	7	150	700	N	N	N	30	20,000	150	5	20	N	70	N
E0174B	N	N	20	500	50	<20	N	N	70	30	N	15	N	500	150	N
E0174C	N	N	N	50	300	N	N	N	5	>20,000	1,000	<5	100	N	15	N
E0175A	N	150	N	70	5,000	N	N	N	5	10,000	3,000	N	150	N	150	N
E0183A	150	>500	N	10	15,000	20	N	N	5	10,000	7,000	N	10	N	<10	500
ELV0196R	70	N	5	N	3,000	20	7	N	5	200	1,000	N	N	N	10	N
ELV0197R	N	N	7	20	100	20	N	<20	30	200	N	<5	N	100	50	N
ELV0198R	N	N	150	15	10,000	20	300	N	5	15	N	5	N	150	30	70
ELV0199R	N	N	10	15	30	200	N	<20	10	30	N	7	N	300	70	N
ELV10200	10	N	15	<10	7,000	20	N	N	10	50	3,000	5	N	<100	20	N
ELV1021R	N	N	10	10	7	30	N	<20	7	20	N	7	N	500	100	N
ELV1022R	N	N	10	70	30	50	N	<20	15	30	N	10	N	N	70	N
ELV5838R	N	N	10	30	5	20	N	N	7	30	N	10	N	700	200	N
ELV5839R	N	N	<5	20	30	20	N	N	5	50	N	5	N	150	30	N
ELV5840R	10	N	7	70	500	20	70	N	7	50	150	7	N	N	70	N
ELV5843R	N	N	5	15	5	20	N	N	5	<10	N	N	N	<100	10	N
ELV5976R	<10	70	5	N	5,000	<20	N	N	<5	3,000	2,000	N	N	N	100	N
ELV5981R	N	N	<5	N	15	N	150	N	<5	15	<100	N	N	N	<10	N
ELV5982R	<10	N	<5	20	10	30	<5	N	7	20	N	7	N	N	50	N
ELV5983R	<10	N	<5	10	300	<20	N	N	7	30	N	<5	N	100	10	N
ELV5988R	<10	N	10	15	3,000	N	N	N	7	15	N	5	N	300	150	70
GNG48540	N	N	20	50	200	20	N	N	15	30	N	10	N	300	150	N
GNG4855R	N	N	7	100	50	50	N	<20	15	70	N	15	N	1,000	100	N
GNG4857R	N	N	20	100	30	20	N	<20	20	100	N	20	N	700	150	N
UNI0190R	10	50	7	<10	15,000	20	7	N	5	1,500	10,000	<5	N	N	30	<50
UNI0191R	N	N	10	30	10	20	N	<20	15	20	N	10	N	500	100	N
UNI0192R	N	N	N	10	7	20	70	N	<5	70	N	N	N	300	15	N
UNI0193R	N	N	7	15	70	30	70	<20	5	150	100	5	N	N	70	<50
UNI0194R	N	N	7	<10	200	20	15	N	7	70	150	5	N	100	50	N
UNI49230	10	N	N	<10	200	20	N	N	5	700	150	5	N	N	30	N

LATITUDE 46°30′-47°00′ LONGITUDE 113°00′-113°30′

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
E0150A	N	N	150	N	3.50	--	--	--	--	--	--	--
E0151A	15	N	30	N	1.10	--	--	--	--	--	--	--
E0154A	<10	N	30	N	.06	--	--	--	--	--	--	--
E0154B	N	N	N	N	.12	--	--	--	--	--	--	--
E0154C	<10	N	N	N	<.05	--	--	--	--	--	--	--
E0154D	N	N	<10	N	<.05	--	--	--	--	--	--	--
E0154E	N	N	<10	N	.70	--	--	--	--	--	--	--
E0155A	10	N	20	N	<.05	--	--	--	--	--	--	--
E0155B	10	N	20	N	<.05	--	--	--	--	--	--	--
E0155C	10	N	<10	N	.50	--	--	--	--	--	--	--
E0155D	N	N	<10	N	.30	--	--	--	--	--	--	--
E0155E	15	N	<10	N	<.05	--	--	--	--	--	--	--
E0160A	15	N	150	N	<.05	--	--	--	--	--	--	--
E0173A	<10	>10,000	N	N	<.05	--	--	--	--	--	--	--
E0173B	N	>10,000	N	N	<.05	--	--	--	--	--	--	--
E0174A	N	5,000	20	N	.24	--	--	--	--	--	--	--
E0174B	15	N	50	N	<.05	--	--	--	--	--	--	--
E0174C	N	300	<10	N	.30	--	--	--	--	--	--	--
E0175A	N	1,000	20	N	.26	--	--	--	--	--	--	--
E0183A	<10	1,000	N	N	1.60	--	--	--	--	--	--	--
ELV0196R	N	<200	10	N	17.00	>1,000	150	22	14.60	.23	22	85
ELV0197R	10	N	30	N	--	130	200	30	2.19	.27	2	9
ELV0198R	15	N	70	N	1.00	>1,000	N	55	9.80	.46	6	6
ELV0199R	20	N	100	N	--	10	3	4	<.05	.11	N	1
ELV10200	<10	1,000	100	N	60.00	>1,000	17	55	37.90	1.63	4	250
ELV1021R	15	N	70	N	--	23	4	13	2.31	.10	N	15
ELV1022R	30	N	300	N	--	2	2	4	N	.09	N	N
ELV5838R	20	N	150	N	--	2	4	2	<.05	.05	<1	1
ELV5839R	<10	N	100	N	--	22	6	1	3.00	.05	<1	7
ELV5840R	15	N	100	N	--	500	13	3	2.60	.14	3	34
ELV5843R	<10	N	10	N	--	2	2	4	<.05	.14	<1	1
ELV5976R	N	200	<10	N	--	>5,000	3,000	200	20.00	60.00	<1	>1,000
ELV5981R	N	N	<10	N	--	17	7	3	9.30	.12	3	<1
ELV5982R	20	N	200	N	--	20	13	5	.07	.20	<1	5
ELV5983R	10	N	20	N	--	250	18	10	.57	.20	<1	13
ELV5988R	15	N	10	N	--	3,000	7	28	3.59	.75	<1	N
GNG48540	20	N	150	N	<.05	210	8	8	N	.06	N	1
GNG4855R	50	N	300	N	--	7	270	2	.09	.17	N	N
GNG4857R	30	N	200	N	--	12	93	3	N	.16	N	N
UNI0190R	N	3,000	30	N	53.00	>1,000	>1,000	180	.50	16.30	3	>1,000
UNI0191R	20	N	100	N	--	3	1	4	N	.07	N	N
UNI0192R	<10	N	15	N	--	2	60	8	.34	.29	N	2
UNI0193R	10	N	100	N	--	50	88	21	3.68	.32	1	32
UNI0194R	15	N	50	N	1.20	43	16	9	.90	.05	N	19
UNI49230	N	N	50	N	64.00	150	420	11	18.90	.15	5	32

CHAPTER C

LATITUDE 46°30′-47°00′ LONGITUDE 113°00′-113°30′

TABLE 1. ROCK SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1° x 2° 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
UNI49240	46 50 44	113 22 59	5.00	.10	.10	.100	200	50.0	300	20	200	300	1.0
UNI49260	46 50 48	113 23 8	3.00	.70	.70	.200	700	2.0	N	N	200	700	2.0
UNI4927R	46 50 48	113 23 8	5.00	1.50	3.00	.300	1,000	N	N	N	30	1,000	1.5
UNI4930R	46 50 39	113 22 59	3.00	.30	.20	.200	500	15.0	N	<10	300	500	2.0
UNI4933R	46 50 8	113 23 50	<.05	<.02	<.05	N	N	N	N	N	N	>5,000	N
UNI4934R	46 50 8	113 23 50	1.00	.50	.30	.200	150	N	N	N	150	>5,000	2.0
UNI4935R	46 50 8	113 23 50	3.00	1.00	1.50	.300	300	N	N	N	N	5,000	2.0
UNI4936R	46 50 14	113 24 17	.05	.02	<.05	.005	100	N	N	N	<10	>5,000	<1.0
UNI4937R	46 50 14	113 24 17	3.00	1.00	.15	.700	150	N	N	N	500	>5,000	3.0
UNI4938R	46 50 14	113 24 17	2.00	.70	1.00	.300	300	N	N	N	N	5,000	1.5
UNI49450	46 50 39	113 22 59	1.50	.05	.05	.050	70	5.0	N	N	70	150	1.0
UNI49480	46 50 39	113 22 53	1.50	.10	.30	.070	200	7.0	N	30	150	150	<1.0
UNI49530	46 50 45	113 22 53	2.00	.15	.20	.200	700	3.0	N	N	300	300	1.5
UNI4954R	46 50 53	113 22 42	.70	.07	.05	.030	70	5.0	N	N	30	100	<1.0
UNI4968R	46 48 43	113 26 58	5.00	.15	.05	.200	100	1.0	2,000	N	50	700	1.5
UNI49740	46 48 32	113 27 13	1.00	<.02	.10	.300	10	10.0	10,000	10	<10	200	N
UNI49750	46 48 29	113 27 13	1.50	.02	.07	.300	70	3.0	>10,000	N	N	500	<1.0
UNI4976R	46 48 29	113 27 13	5.00	7.00	1.00	.500	500	N	N	N	10	3,000	1.5
UNI49770	46 48 18	113 27 12	2.00	<.02	.05	.300	10	20.0	10,000	N	<10	500	N

CHAPTER C

LATITUDE 46°30′-47°00′ LONGITUDE 113°00′-113°30′

TABLE1. 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
UNI49240	30	N	10	10	3,000	30	N	<20	7	700	1,500	5	N	N	50	<50
UNI49260	N	N	10	20	150	20	N	<20	10	300	100	7	N	100	100	<50
UNI4927R	N	N	10	50	20	20	N	<20	20	50	N	15	N	500	150	N
UNI4930R	N	N	7	50	200	20	10	<20	10	700	100	7	N	N	100	<50
UNI4933R	N	N	N	N	<5	20	N	N	N	30	N	N	N	>5,000	<10	N
UNI4934R	N	N	N	50	7	20	N	<20	5	30	N	7	N	1,500	70	N
UNI4935R	N	N	10	70	15	50	N	<20	50	50	N	7	N	700	50	N
UNI4936R	N	N	N	10	<5	20	N	N	N	15	N	<5	N	>5,000	<10	N
UNI4937R	N	N	<5	200	<5	70	N	<20	7	20	N	20	N	<100	150	N
UNI4938R	N	N	7	30	10	70	N	<20	15	50	N	7	N	500	50	N
UNI49450	N	N	<5	10	700	20	5	<20	5	500	150	<5	N	N	100	N
UNI49480	N	N	5	15	70	20	10	<20	5	200	100	<5	N	N	50	N
UNI49530	N	N	10	20	100	20	<5	<20	15	300	100	7	N	N	70	50
UNI4954R	N	N	N	15	20	<20	N	<20	<5	70	100	<5	N	N	15	N
UNI4968R	<10	N	7	50	7,000	50	N	<20	30	500	700	7	N	700	50	N
UNI49740	N	N	5	30	>20,000	20	N	<20	<5	70	700	N	100	N	15	N
UNI49750	N	N	<5	70	15,000	20	N	<20	10	500	300	5	70	500	30	N
UNI4976R	N	N	10	700	70	70	N	<20	150	150	N	20	N	700	100	N
UNI49770	10	N	7	15	>20,000	<20	N	<20	15	30	500	N	150	N	<10	N

CHAPTER C

LATITUDE 46°30′-47°00′ LONGITUDE 113°00′-113°30′

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
UNI49240	20	N	70	N	48.00	>1,000	530	120	32.10	2.75	21	800
UNI49260	15	N	100	N	.27	78	150	21	N	.44	N	17
UNI4927R	30	N	200	N	--	4	36	7	N	.21	N	N
UNI4930R	10	N	200	N	--	90	390	15	5.02	.33	N	29
UNI4933R	N	N	N	N	--	N	12	N	N	<.05	1	1
UNI4934R	20	N	100	N	--	1	18	4	N	.08	1	N
UNI4935R	<10	N	300	N	--	N	9	2	N	<.05	1	N
UNI4936R	N	N	N	N	--	N	5	N	<.05	<.05	N	N
UNI4937R	50	N	300	N	--	N	N	N	<.05	<.05	N	N
UNI4938R	20	N	150	N	--	2	7	6	<.05	<.05	1	1
UNI49450	N	N	50	N	2.80	410	300	19	1.74	.13	2	59
UNI49480	N	N	30	N	6.70	65	170	15	2.99	.11	2	21
UNI49530	10	N	100	N	4.10	>1,000	83	39	94.30	2.13	7	3
UNI4954R	N	N	N	N	--	33	24	7	1.35	.10	2	19
UNI4968R	20	N	300	N	--	>5,000	16	19	.15	.09	2	38
UNI49740	N	N	150	N	7.40	>1,000	47	4	4.91	.53	3	240
UNI49750	N	N	100	N	.08	>1,000	34	8	.64	.60	1	190
UNI4976R	15	N	200	N	--	43	15	7	.06	.15	2	3
UNI49770	N	N	70	N	.21	>1,000	33	2	24.40	.82	5	140

CHAPTER C

LATITUDE 46°30′-47°00′ LONGITUDE 113°00′-113°30′

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
BAT7849P	46 52 43	113 20 34	30.0	3.00	5.00	2.00	2,000	N	N	N	N	70	<2
BAT7855P	46 53 50	113 21 47	3.0	.30	.20	.50	300	N	N	N	70	>10,000	2
BAT7857P	46 53 54	113 21 44	5.0	.50	.50	.70	300	N	N	N	150	700	<2
BAT7859P	46 53 6	113 18 35	50.0	1.00	3.00	>2.00	2,000	N	N	N	N	150	N
BAT7861P	46 54 20	113 16 10	15.0	3.00	5.00	2.00	2,000	N	N	N	200	300	<2
BAT7864P	46 56 13	113 15 34	1.5	1.00	1.00	.20	300	10.0	N	N	200	500	2
BAT7866P	46 59 4	113 15 9	3.0	.70	.15	.70	500	N	N	N	150	1,500	2
BAT7869P	46 58 28	113 16 11	3.0	.70	.20	.50	300	N	N	N	150	300	2
BAT7871P	46 58 43	113 16 56	3.0	.70	.10	.50	700	N	N	N	150	300	2
BAT7873P	46 58 41	113 16 58	3.0	.70	.15	.50	700	N	N	N	150	300	3
BAT7879P	46 54 20	113 20 11	3.0	.50	.30	.70	500	N	N	N	200	200	N
BAT7881P	46 55 23	113 20 35	3.0	1.50	.30	.30	500	N	N	N	150	1,000	3
BAT7883P	46 55 23	113 20 30	2.0	1.00	.50	.20	300	N	N	N	70	300	2
BAT7885P	46 56 2	113 20 39	2.0	.70	.15	.30	150	N	N	N	150	300	2
BAT7887P	46 58 29	113 19 21	3.0	1.00	1.50	.30	500	N	N	N	N	5,000	3
BAT7889P	46 57 34	113 18 47	3.0	1.00	2.00	.70	500	N	N	N	N	1,500	<2
BAT7891P	46 57 15	113 17 44	3.0	1.00	.30	.50	700	N	N	N	200	1,500	3
BEM1124P	46 30 26	113 22 49	3.0	.30	.10	1.00	300	N	N	N	300	300	<2
BEM1457P	46 35 31	113 28 49	10.0	1.00	2.00	2.00	1,500	N	N	N	300	1,000	2
BEM1462P	46 38 34	113 24 57	7.0	1.00	1.50	.70	500	N	N	N	500	700	2
BEM1571P	46 39 5	113 24 37	10.0	.30	.20	.70	700	N	N	N	200	300	3
BEM1573P	46 39 26	113 24 25	1.0	.20	.15	.50	100	N	N	N	20	300	<2
BEM1575P	46 40 33	113 23 35	10.0	1.00	2.00	>2.00	1,500	N	N	N	100	500	<2
BEM1577P	46 40 58	113 22 51	30.0	1.50	2.00	>2.00	5,000	N	N	N	100	700	N
BEM2404P	46 37 47	113 17 15	2.0	.20	.15	1.50	700	N	N	N	50	300	<2
BEM2407P	46 36 15	113 19 57	2.0	.50	.10	.50	200	N	N	N	300	300	<2
BEM2412P	46 31 15	113 15 35	20.0	.70	3.00	1.00	1,000	N	N	N	50	1,500	N
BEM2888P	46 36 47	113 29 24	5.0	1.00	.50	1.00	1,000	<1.0	N	N	700	1,000	3
BEM2891P	46 36 37	113 25 56	7.0	2.00	.70	1.00	1,000	N	N	N	500	3,000	3
BEM2897P	46 37 44	113 25 27	5.0	1.50	.50	.70	700	N	N	N	300	1,000	3
BEM2988P	46 42 24	113 22 22	5.0	1.00	.70	1.50	500	N	N	N	300	1,000	3
BEM2995P	46 41 45	113 29 34	5.0	3.00	5.00	2.00	700	N	N	N	200	1,500	3
BEM4885P	46 43 16	113 19 48	.7	5.00	50.00	.15	500	N	N	N	70	700	2
BEM4890P	46 42 24	113 20 47	5.0	1.00	3.00	1.00	1,000	N	N	N	<20	3,000	3
BEM4892P	46 42 20	113 21 39	7.0	1.50	3.00	1.00	1,000	N	N	N	200	7,000	2
BEM4894P	46 42 59	113 22 55	5.0	1.00	2.00	1.00	700	N	N	N	150	5,000	2
BEM4896P	46 42 59	113 22 55	5.0	.70	1.50	.70	700	N	N	N	150	3,000	2
BEM4898P	46 42 56	113 23 3	5.0	1.00	5.00	2.00	2,000	N	N	N	200	5,000	2
BEM4978P	46 43 45	113 27 43	2.0	5.00	50.00	.20	700	N	N	N	<20	200	<2
BEM5803P	46 41 12	113 26 30	5.0	1.50	2.00	1.50	700	N	N	N	150	700	2
BEM5819P	46 32 7	113 23 52	2.0	.30	.10	.30	300	N	N	N	200	500	2
BEM5821P	46 32 35	113 22 42	3.0	.20	.15	.70	200	N	N	N	200	700	<2
BEM5902P	46 42 18	113 28 37	2.0	10.00	30.00	.10	1,000	N	N	N	20	7,000	<2
BEM5908P	46 38 24	113 29 59	7.0	1.00	1.00	.70	1,000	N	N	N	500	1,000	3
BEM5910P	46 39 5	113 29 14	5.0	3.00	1.00	.70	1,000	N	N	N	500	3,000	7

LATITUDE 46°30′-47°00′ LONGITUDE 113°00′-113°30′

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	S-W
BAT7849P	N	N	20	150	50	100	N	70	10	20	N	15	N	200	700	N
BAT7855P	N	N	<10	70	<10	70	N	N	15	<20	N	<10	N	300	100	N
BAT7857P	N	N	<10	100	70	150	N	<50	10	50	N	10	N	N	150	N
BAT7859P	N	N	10	500	100	200	N	<50	30	30	N	10	<20	N	700	N
BAT7861P	N	N	20	300	15	150	N	70	50	20	N	15	N	200	500	<100
BAT7864P	N	N	N	30	10	<50	N	N	10	1,000	N	<10	N	N	30	N
BAT7866P	N	N	10	70	10	50	N	N	10	20	N	<10	N	N	150	N
BAT7869P	N	N	10	70	<10	50	N	<50	10	<20	N	<10	N	N	50	N
BAT7871P	N	N	10	70	10	50	N	N	15	70	N	10	N	N	70	N
BAT7873P	N	N	10	100	15	50	N	<50	20	30	N	20	N	N	70	N
BAT7879P	N	N	<10	50	10	70	N	N	<10	<20	N	<10	N	N	70	N
BAT7881P	N	N	<10	50	<10	50	N	N	15	50	N	<10	N	N	50	N
BAT7883P	N	N	<10	30	<10	50	N	N	15	<20	N	<10	N	N	50	N
BAT7885P	N	N	N	50	<10	50	N	N	10	<20	N	<10	N	N	50	N
BAT7887P	N	N	10	50	10	70	N	N	50	70	N	<10	N	1,000	70	N
BAT7889P	N	N	<10	70	<10	700	N	N	20	50	N	<10	N	1,000	100	N
BAT7891P	N	N	<10	50	<10	70	N	N	15	<20	N	<10	N	N	70	N
BEM1124P	N	N	10	50	<10	200	N	N	10	20	N	<10	N	N	70	N
BEM1457P	N	N	20	50	50	50	N	<50	20	20	N	20	N	N	300	N
BEM1462P	N	N	20	30	10	50	N	<50	20	<20	N	10	N	N	100	N
BEM1571P	N	N	70	50	20	<50	N	<50	20	30	N	10	N	N	100	N
BEM1573P	N	N	<10	70	10	50	N	<50	10	20	N	<10	N	N	50	N
BEM1575P	N	N	20	50	150	50	N	<50	20	<20	N	15	N	N	300	N
BEM1577P	N	N	70	70	500	70	N	<50	50	<20	N	20	N	<200	500	N
BEM2404P	N	N	10	20	20	70	N	<50	<10	50	N	<10	N	N	70	N
BEM2407P	N	N	<10	30	<10	50	N	N	10	20	N	<10	N	N	50	N
BEM2412P	N	N	20	200	50	300	N	<50	10	20	N	10	N	N	1,000	N
BEM2888P	N	N	10	30	20	50	N	<50	30	20	N	10	N	N	150	N
BEM2891P	N	N	15	200	15	50	N	<50	30	20	N	10	N	N	150	N
BEM2897P	N	N	10	100	10	50	N	N	30	20	N	10	N	<200	70	N
BEM2988P	N	N	15	30	50	50	N	<50	10	30	N	10	N	N	150	N
BEM2995P	N	N	15	200	10	100	N	<50	50	30	N	10	N	1,500	100	N
BEM4885P	N	N	<10	30	<10	50	N	N	10	30	N	<10	N	N	50	N
BEM4890P	N	N	15	200	20	70	N	<50	70	50	N	10	N	2,000	100	N
BEM4892P	N	N	15	500	50	200	N	<50	100	30	N	15	N	700	300	N
BEM4894P	N	N	15	200	20	70	N	<50	30	30	N	10	N	700	150	N
BEM4896P	N	N	15	150	20	100	N	<50	50	50	N	10	N	700	150	N
BEM4898P	N	N	15	70	50	200	N	<50	30	50	N	10	N	700	200	N
BEM4978P	N	N	<10	150	15	50	N	<50	20	300	N	<10	N	<200	50	N
BEM5803P	N	N	15	300	30	70	N	<50	70	30	N	15	N	500	300	N
BEM5819P	N	N	N	50	<10	50	N	<50	10	30	N	10	N	N	70	N
BEM5821P	N	N	<10	100	<10	100	N	<50	10	<20	N	10	N	N	100	N
BEM5902P	N	N	<10	20	20	50	N	N	15	500	N	10	N	N	30	N
BEM5908P	N	N	20	700	30	50	N	<50	50	20	N	10	N	N	150	N
BEM5910P	N	N	20	700	20	100	N	<50	100	20	N	15	N	N	200	N

CHAPTER C

LATITUDE 46°30′-47°00′ LONGITUDE 113°00′-113°30′

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

SAMPLE	S-Y	S-ZN	S-ZR	S-TH	AA-AU
BAT7849P	200	N	>2,000	N	<.050
BAT7855P	30	N	300	N	<.050
BAT7857P	70	N	>2,000	N	<.050
BAT7859P	300	N	1,000	N	<.050
BAT7861P	200	N	1,000	<200	<.050
BAT7864P	20	N	300	N	.100
BAT7866P	30	N	700	N	<.050
BAT7869P	30	N	700	N	<.050
BAT7871P	30	N	700	N	<.050
BAT7873P	50	N	700	N	<.050
BAT7879P	50	N	>2,000	N	<.050
BAT7881P	<20	N	200	N	<.050
BAT7883P	20	N	300	N	<.050
BAT7885P	50	N	700	N	<.050
BAT7887P	N	N	700	N	<.050
BAT7889P	<20	N	700	N	<.050
BAT7891P	30	N	700	N	.090
BEM1124P	100	N	>2,000	N	<.050
BEM1457P	150	N	700	N	<.050
BEM1462P	30	N	500	N	<.050
BEM1571P	20	N	200	N	<.050
BEM1573P	<20	N	700	N	<.050
BEM1575P	30	N	500	N	<.050
BEM1577P	50	N	500	N	<.050
BEM2404P	<20	N	700	N	.040
BEM2407P	30	N	500	N	N
BEM2412P	150	N	1,000	N	.080
BEM2888P	50	N	1,000	N	<.050
BEM2891P	50	N	700	N	<.050
BEM2897P	200	N	1,000	N	.310
BEM2988P	50	N	500	N	<.050
BEM2995P	70	N	1,000	N	<.050
BEM4885P	<20	N	150	N	<.050
BEM4890P	20	N	700	N	.300
BEM4892P	30	N	500	N	<.050
BEM4894P	30	N	700	N	<.050
BEM4896P	30	N	700	N	<.050
BEM4898P	30	N	500	N	<.050
BEM4978P	20	N	100	N	<.050
BEM5803P	50	N	700	N	<.050
BEM5819P	50	N	1,500	N	<.050
BEM5821P	50	N	>2,000	N	<.050
BEM5902P	<20	N	100	N	<.050
BEM5908P	700	N	700	N	<.050
BEM5910P	100	N	500	N	<.050

CHAPTER C

LATITUDE 46°30′-47°00′ LONGITUDE 113°00′-113°30′

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
BEM5917P	46 41 7	113 26 38	5.0	2.00	1.50	1.50	1,000	N	N	N	150	1,000	3
BEM5940P	46 32 29	113 25 37	3.0	.50	.10	.70	1,000	N	N	N	300	1,000	2
BEM5942P	46 32 29	113 25 37	3.0	.70	.10	.70	500	N	N	N	500	700	3
BEM5944P	46 32 24	113 25 40	3.0	1.00	.15	.70	1,500	N	N	N	300	1,000	3
BEM5946P	46 32 41	113 24 52	3.0	.70	.10	.70	1,000	N	N	N	500	700	5
BEM5952P	46 31 16	113 21 6	3.0	.30	.10	.50	300	N	N	N	300	500	<2
BEM5954P	46 30 26	113 22 51	3.0	.70	.15	.70	700	N	N	N	500	1,000	5
BEM5956P	46 31 40	113 20 55	2.0	.50	<.10	.50	300	N	N	N	300	500	2
BEM5959P	46 33 45	113 22 50	2.0	.50	.20	.70	500	N	N	N	500	700	5
BEM5961P	46 34 58	113 25 53	20.0	.70	1.00	>2.00	5,000	N	N	N	700	7,000	<2
BEM5964P	46 34 40	113 23 46	1.5	.20	.10	.50	200	N	N	N	200	500	<2
BEM7899P	46 33 16	113 29 6	3.0	.70	.10	.50	300	N	N	N	150	500	3
BEM7997P	46 31 44	113 21 8	3.0	.70	<.10	.30	700	N	N	N	150	700	3
BEM7997P	46 31 44	113 21 8	15.0	.30	<.10	2.00	700	N	N	N	200	200	<2
BEM7998P	46 31 14	113 21 11	2.0	.50	.10	.50	150	N	N	N	200	300	2
BEM8801P	46 33 43	113 28 35	1.5	.50	<.10	.15	150	N	N	N	100	300	2
BEM8803P	46 33 50	113 28 48	3.0	.50	<.10	.20	300	N	N	N	150	700	3
BEM8805P	46 34 17	113 28 12	3.0	.70	<.10	.30	500	N	N	N	200	700	3
BEM8807P	46 34 15	113 27 30	3.0	.70	<.10	.30	500	N	N	N	300	700	3
BEM8898P	46 34 55	113 27 50	7.0	.07	<.10	1.00	700	1.0	N	N	30	150	<2
BEM8900P	46 35 35	113 25 55	30.0	.10	.15	.70	1,000	N	N	N	N	200	<2
BEM8901P	46 35 1	113 24 13	30.0	.10	.30	.50	1,000	N	N	N	20	3,000	<2
BR08830P	46 59 9	113 6 4	7.0	1.50	1.50	2.00	1,500	N	N	N	150	300	<2
BR08832P	46 58 45	113 5 56	10.0	1.50	1.00	>2.00	1,500	N	N	N	150	300	<2
BR08834P	46 58 43	113 5 24	7.0	1.50	1.50	>2.00	1,500	N	N	N	70	300	<2
BR08840P	46 56 20	113 7 28	3.0	.70	.70	.70	700	N	N	N	100	300	<2
BR08842P	46 55 40	113 6 48	20.0	1.00	2.00	>2.00	2,000	N	N	N	30	200	N
BR08844P	46 55 41	113 6 37	15.0	.70	1.00	>2.00	1,500	N	N	N	150	300	N
BR08847P	46 53 29	113 5 54	5.0	1.00	1.00	2.00	1,500	N	N	N	50	1,000	<2
BR08849P	46 54 5	113 6 39	7.0	1.00	1.00	2.00	1,000	N	N	N	50	300	<2
BR08851P	46 53 26	113 6 52	5.0	1.00	2.00	2.00	1,500	N	N	N	30	300	<2
BR08853P	46 52 51	113 7 15	3.0	5.00	5.00	.70	1,000	N	N	N	N	2,000	<2
BR08856P	46 52 40	113 2 43	3.0	2.00	2.00	.70	700	N	N	N	30	1,500	2
CHL7950P	46 48 26	113 3 38	3.0	1.50	3.00	1.00	1,000	N	N	N	20	10,000	2
CHL7952P	46 48 48	113 5 49	7.0	1.50	2.00	.70	>10,000	N	N	N	20	5,000	3
CHL7981P	46 49 42	113 4 47	7.0	5.00	5.00	1.50	1,500	N	N	N	N	3,000	<2
CHL7985P	46 50 45	113 5 0	7.0	7.00	7.00	1.00	1,500	N	N	N	30	3,000	<2
CHL7988P	46 51 3	113 6 52	5.0	3.00	3.00	1.00	5,000	N	N	N	N	5,000	<2
CHL7991P	46 51 47	113 4 17	7.0	1.50	1.00	.70	5,000	N	N	N	70	2,000	3
CHL7995P	46 49 35	113 0 41	5.0	2.00	3.00	1.00	2,000	N	N	N	20	3,000	2
CHL8810P	46 49 4	113 2 27	10.0	1.50	5.00	1.00	2,000	N	N	N	N	>10,000	3
CHL8812P	46 49 0	113 3 0	5.0	1.50	3.00	.70	3,000	N	N	N	N	3,000	2
CHL8814P	46 48 18	113 2 28	5.0	1.00	3.00	.70	1,000	N	N	N	N	5,000	3
CHL8820P	46 45 46	113 1 12	3.0	1.50	3.00	.50	2,000	N	N	N	N	5,000	3
CHL8822P	46 46 15	113 1 55	5.0	1.50	2.00	.70	700	N	N	N	20	>10,000	2

CHAPTER C

LATITUDE 46°30′-47°00′ LONGITUDE 113°00′-113°30′

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	S-W
BEM5917P	N	N	20	200	20	50	N	<50	50	30	N	10	N	500	300	N
BEM5940P	N	N	<10	100	10	100	N	<50	10	20	N	10	N	N	100	N
BEM5942P	N	N	10	50	<10	50	N	<50	20	30	N	10	N	N	70	N
BEM5944P	N	N	10	150	<10	50	N	N	15	20	N	10	N	N	70	N
BEM5946P	N	N	<10	100	10	50	N	<50	15	20	N	10	N	N	70	N
BEM5952P	N	N	N	100	10	700	N	<50	<10	20	N	<10	N	N	70	N
BEM5954P	N	N	<10	50	15	50	N	<50	15	20	N	10	N	N	150	N
BEM5956P	N	N	<10	50	<10	50	N	<50	10	20	N	10	N	N	70	N
BEM5959P	N	N	N	70	<10	50	N	<50	10	20	N	10	N	N	70	N
BEM5961P	N	N	20	70	100	<50	N	<50	30	30	N	15	N	<200	1,000	N
BEM5964P	N	N	<10	30	<10	50	N	N	<10	20	N	<10	N	N	50	N
BEM7899P	N	N	<10	70	<10	50	N	N	20	20	N	10	N	N	70	N
BEM7997P	N	N	10	100	<10	<50	N	<50	30	20	N	<10	N	N	70	N
BEM7997P	N	N	<10	200	<10	300	N	<50	10	50	N	<10	N	N	300	N
BEM7998P	N	N	<10	50	<10	<50	N	N	10	<20	N	<10	N	N	70	N
BEM8801P	N	N	N	70	<10	50	N	N	10	<20	N	<10	N	N	20	N
BEM8803P	N	N	N	100	<10	50	N	N	15	<20	N	<10	N	N	50	N
BEM8805P	N	N	10	100	<10	50	N	N	30	20	N	10	N	N	70	N
BEM8807P	N	N	10	100	<10	50	N	<50	20	20	N	<10	N	N	70	N
BEM8898P	N	N	<10	70	<10	100	N	<50	<10	100	N	<10	N	N	200	N
BEM8900P	N	N	20	150	50	<50	N	N	15	100	N	<10	N	N	1,500	N
BEM8901P	N	N	20	150	70	<50	N	<50	20	70	N	<10	N	N	1,000	N
BR08830P	N	N	15	70	15	50	N	N	20	<20	N	10	N	N	500	N
BR08832P	N	N	20	100	10	50	N	<50	20	20	N	<10	N	N	500	N
BR08834P	N	N	15	70	15	50	N	<50	20	<20	N	<10	N	N	500	N
BR08840P	N	N	10	50	10	<50	N	N	10	<20	N	10	N	N	200	N
BR08842P	N	N	20	150	30	300	N	<50	10	30	N	<10	N	N	1,000	N
BR08844P	N	N	20	70	30	150	N	<50	10	20	N	<10	N	N	300	N
BR08847P	N	N	15	150	30	50	N	N	50	30	N	10	N	500	200	N
BR08849P	N	N	15	100	20	50	N	N	20	<20	N	<10	N	200	500	N
BR08851P	N	N	15	150	50	70	N	<50	10	<20	N	<10	N	<200	150	N
BR08853P	N	N	15	500	30	70	N	N	100	20	N	20	N	1,000	100	N
BR08856P	N	N	10	200	10	70	N	N	50	<20	N	15	N	700	70	N
CHL7950P	N	N	15	150	30	70	N	N	70	30	N	10	N	1,000	100	N
CHL7952P	N	N	100	150	30	100	N	N	150	50	N	10	N	2,000	100	N
CHL7981P	N	N	30	1,000	30	150	N	<50	150	30	N	20	N	1,500	300	N
CHL7985P	N	N	100	1,000	50	150	N	<50	150	30	N	30	N	2,000	300	N
CHL7988P	N	N	20	300	50	150	N	<50	150	70	N	15	N	3,000	200	N
CHL7991P	N	N	20	300	20	100	N	N	70	50	N	10	N	500	150	N
CHL7995P	N	N	10	150	30	150	N	N	70	50	N	10	N	1,000	200	N
CHL8810P	N	N	20	300	70	700	N	<50	100	30	N	10	N	2,000	200	N
CHL8812P	N	N	20	200	20	70	N	<50	70	30	N	10	N	2,000	150	N
CHL8814P	N	N	20	150	20	70	N	<50	70	30	N	10	N	2,000	100	N
CHL8820P	N	N	15	150	20	70	N	N	70	50	N	<10	N	1,500	100	N
CHL8822P	N	N	15	150	70	70	N	<50	50	20	N	<10	N	2,000	100	N

CHAPTER C

LATITUDE 46°30′-47°00′ LONGITUDE 113°00′-113°30′

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

SAMPLE	S-Y	S-ZN	S-ZR	S-TH	AA-AU
BEM5917P	20	N	500	N	<.050
BEM5940P	50	N	700	N	.050
BEM5942P	50	N	1,500	N	<.050
BEM5944P	30	N	700	N	<.050
BEM5946P	100	N	700	N	<.050
BEM5952P	20	N	1,000	N	<.050
BEM5954P	300	N	700	N	<.050
BEM5956P	20	N	1,000	N	<.050
BEM5959P	50	N	700	N	<.050
BEM5961P	50	N	500	N	<.050
BEM5964P	70	N	1,000	N	<.050
BEM7899P	200	N	500	N	.080
BEM7997P	50	N	500	N	<.050
BEM7997P	700	N	>2,000	N	N
BEM7998P	50	N	>2,000	N	N
BEM8801P	30	N	200	N	<.050
BEM8803P	30	N	500	N	<.050
BEM8805P	30	N	300	N	<.050
BEM8807P	30	N	300	N	<.050
BEM8898P	70	N	>2,000	N	.630
BEM8900P	70	N	>2,000	N	3.330
BEM8901P	50	N	>2,000	N	.350
BR08830P	50	N	200	N	<.050
BR08832P	50	N	700	N	<.050
BR08834P	70	N	300	N	<.050
BR08840P	30	N	300	N	<.050
BR08842P	300	N	>2,000	N	.090
BR08844P	70	N	>2,000	N	<.050
BR08847P	30	N	700	N	<.050
BR08849P	70	N	2,000	N	<.050
BR08851P	50	N	>2,000	N	<.050
BR08853P	<20	N	150	N	<.050
BR08856P	50	N	300	N	<.050
CHL7950P	20	N	500	N	N
CHL7952P	20	N	300	N	N
CHL7981P	50	N	2,000	N	N
CHL7985P	50	N	500	N	N
CHL7988P	20	N	500	N	N
CHL7991P	20	N	>2,000	N	N
CHL7995P	30	N	700	N	N
CHL8810P	100	N	200	N	<.050
CHL8812P	20	N	300	N	<.050
CHL8814P	20	N	200	N	<.050
CHL8820P	N	N	150	N	<.050
CHL8822P	<20	N	300	N	<.050

CHAPTER C

LATITUDE 46°30′-47°00′ LONGITUDE 113°00′-113°30′

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
CHL8824P	46 46 26	113 2 10	2.0	.50	1.00	.30	300	N	N	N	N	1,500	2
DRU1581P	46 31 28	113 11 26	30.0	.10	2.00	1.50	2,000	2.0	N	N	20	1,500	N
DRU1583P	46 30 44	113 10 40	15.0	.30	1.00	.50	300	N	N	N	30	10,000	<2
DRU1589P	46 32 29	113 14 5	7.0	.70	1.50	.50	500	N	N	N	70	>10,000	<2
DRU1591P	46 31 27	113 12 43	20.0	.15	3.00	1.00	1,000	N	N	N	20	700	N
DRU1593P	46 32 57	113 12 29	3.0	1.50	1.50	.70	500	N	N	N	100	700	<2
DRU1594P	46 34 8	113 11 28	15.0	.20	3.00	1.00	1,500	N	N	N	N	700	N
DRU1596P	46 36 45	113 4 32	2.0	.30	.70	.50	300	N	N	N	30	2,000	<2
DRU1598P	46 36 19	113 2 49	2.0	1.50	2.00	.50	700	N	N	N	20	700	2
DRU2400P	46 36 31	113 4 23	2.0	.30	.70	.30	1,000	N	N	N	50	10,000	2
DRU2402P	46 36 0	113 3 22	1.5	.20	1.50	.50	3,000	N	N	N	20	2,000	<2
DRU2425P	46 36 29	113 8 32	5.0	.15	1.50	.70	1,000	N	N	N	50	2,000	<2
DRU2427P	46 35 38	113 6 48	7.0	.15	2.00	1.50	700	N	N	N	70	700	<2
DRU2433P	46 34 46	113 8 55	3.0	.70	1.50	.50	300	N	N	N	50	700	<2
DRU2436P	46 35 9	113 8 44	5.0	.15	1.50	.70	700	N	N	N	30	1,500	<2
DRU2438P	46 33 17	113 7 49	5.0	1.00	1.00	.50	500	N	N	N	50	500	2
DRU2440P	46 33 6	113 7 50	5.0	1.00	.70	.70	700	N	N	N	50	300	<2
DRU2447P	46 31 38	113 7 29	3.0	1.50	2.00	.50	700	N	N	N	30	500	2
DRU2453P	46 30 4	113 6 0	7.0	.70	.70	.50	1,000	2.0	N	N	20	500	2
DRU2459P	46 31 7	113 4 50	7.0	.70	.50	.20	700	5.0	N	N	30	300	<2
DRU2462P	46 31 53	113 4 41	10.0	3.00	3.00	1.00	1,500	N	N	N	20	200	N
DRU2469P	46 33 28	113 13 41	3.0	.20	.30	.15	1,000	N	N	N	50	1,000	<2
DRU2471P	46 34 39	113 0 45	1.5	.70	.20	.15	200	N	N	N	30	>10,000	2
DRU2473P	46 34 38	113 0 39	2.0	.70	.20	.20	700	N	N	N	50	1,000	3
DRU2475P	46 34 32	113 2 17	3.0	.70	1.50	.20	700	N	N	N	70	2,000	3
DRU3434P	46 43 42	113 13 51	.7	3.00	30.00	.05	300	N	N	N	N	500	N
DRU3436P	46 43 47	113 13 42	1.0	5.00	50.00	.15	700	N	N	N	50	150	N
DRU3439P	46 41 50	113 11 24	5.0	.70	7.00	.15	1,500	N	N	N	100	500	2
DRU3441P	46 40 54	113 10 20	7.0	.70	3.00	.50	1,000	N	N	N	50	5,000	2
DRU3444P	46 41 21	113 9 9	7.0	1.00	1.50	.70	700	N	N	N	70	2,000	<2
DRU3446P	46 41 20	113 9 4	10.0	1.00	1.50	.70	1,000	N	N	N	100	7,000	<2
DRU3447P	46 42 56	113 12 25	1.5	1.00	20.00	.15	500	N	N	N	N	150	2
DRU3449P	46 41 53	113 7 19	3.0	.70	2.00	.15	300	N	N	N	70	500	2
DRU3487P	46 31 15	113 1 0	3.0	7.00	3.00	.30	1,000	N	N	N	20	300	2
DRU3489P	46 30 45	113 0 7	7.0	7.00	5.00	.50	2,000	N	N	N	N	500	<2
DRU3521P	46 40 4	113 7 59	5.0	1.00	.50	.50	1,000	N	N	N	150	700	3
DRU7821P	46 39 7	113 3 7	5.0	.70	2.00	.50	700	N	N	N	100	7,000	3
DRU7823P	46 38 42	113 2 50	7.0	1.00	3.00	.70	1,000	N	N	N	30	7,000	<2
DRU7825P	46 40 15	113 2 24	3.0	7.00	.50	.50	500	N	N	N	150	700	2
DRU7827P	46 42 59	113 2 41	5.0	1.50	1.50	.70	700	N	N	N	N	2,000	2
DRU7829P	46 43 10	113 2 49	3.0	1.00	1.50	.50	700	N	N	N	20	2,000	2
DRU7831P	46 42 43	113 3 54	5.0	.20	.70	.30	7,000	N	N	N	N	2,000	3
DRU7835P	46 42 48	113 0 5	1.5	.50	.70	.20	300	N	N	N	20	700	<2
DRU7836P	46 37 21	113 2 0	15.0	.70	.50	>2.00	1,500	N	N	N	70	2,000	N
DRU7837P	46 39 44	113 1 50	10.0	1.50	2.00	1.00	2,000	N	N	N	<20	700	15

CHAPTER C

LATITUDE 46°30′-47°00′ LONGITUDE 113°00′-113°30′

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	S-W
CHL8824P	N	N	<10	70	<10	50	N	N	20	20	N	N	N	700	30	N
DRU1581P	N	N	15	50	30	200	N	<50	15	100	N	<10	N	N	1,000	N
DRU1583P	N	N	N	50	50	<50	15	<50	20	50	N	10	N	200	300	N
DRU1589P	N	N	<10	100	15	50	N	N	20	20	N	10	N	700	200	N
DRU1591P	N	N	15	100	20	150	N	<50	15	20	N	10	N	N	700	N
DRU1593P	N	N	<10	30	10	100	N	<50	10	30	N	10	N	N	100	N
DRU1594P	N	N	<10	70	15	150	N	<50	10	20	N	10	N	N	500	N
DRU1596P	N	N	10	50	15	100	N	<50	10	30	N	10	N	N	100	N
DRU1598P	N	N	15	500	20	70	N	<50	50	50	N	10	N	N	150	N
DRU2400P	N	N	<10	30	15	100	N	N	10	50	N	10	N	N	100	N
DRU2402P	N	N	10	70	<10	200	N	<50	10	50	N	<10	N	200	70	N
DRU2425P	N	N	10	30	<10	300	N	<50	<10	20	N	<10	N	N	100	N
DRU2427P	N	N	10	150	15	700	N	50	30	70	N	<10	N	N	200	N
DRU2433P	N	N	10	150	20	70	N	<50	50	70	N	10	N	N	150	N
DRU2436P	N	N	10	50	10	300	N	<50	20	30	N	10	N	N	150	N
DRU2438P	N	N	10	300	20	500	N	N	50	30	N	10	N	N	100	N
DRU2440P	N	N	10	150	30	500	N	N	50	50	N	15	N	N	150	N
DRU2447P	N	N	15	700	15	50	N	N	70	30	N	15	N	N	150	N
DRU2453P	200	N	50	50	500	50	N	<50	100	150	N	10	N	N	100	N
DRU2459P	N	N	20	20	100	N	N	N	50	700	N	<10	N	N	100	<100
DRU2462P	N	N	20	700	30	<50	N	N	150	150	N	20	N	200	700	N
DRU2469P	N	N	10	50	10	50	N	N	15	20	N	N	N	N	100	N
DRU2471P	N	N	<10	50	<10	50	N	N	10	20	N	<10	N	300	70	N
DRU2473P	N	N	<10	30	10	50	N	N	15	20	N	<10	N	N	100	N
DRU2475P	N	N	10	70	15	70	N	N	20	30	N	10	N	N	100	N
DRU3434P	N	N	N	50	<10	50	N	N	10	20	N	N	N	300	50	N
DRU3436P	N	N	N	70	<10	50	N	N	30	30	N	N	N	200	70	N
DRU3439P	N	N	10	100	50	<50	N	N	10	50	N	<10	N	N	70	N
DRU3441P	N	N	10	100	30	50	N	N	30	20	N	<10	N	200	150	N
DRU3444P	N	N	10	150	50	50	N	N	30	20	N	10	N	200	200	N
DRU3446P	N	N	15	200	70	50	N	N	30	30	N	10	N	200	300	N
DRU3447P	N	N	N	70	<10	<50	N	N	10	<20	N	N	N	200	70	N
DRU3449P	N	N	<10	50	<10	50	10	N	20	<20	N	<10	N	<200	70	N
DRU3487P	N	N	15	300	10	<50	N	N	70	<20	N	15	N	N	100	N
DRU3489P	N	N	20	700	30	<50	N	N	100	20	N	20	N	N	200	N
DRU3521P	N	N	15	150	50	70	N	N	70	50	N	10	N	N	200	N
DRU7821P	N	N	10	50	30	50	N	<50	50	30	N	<10	N	<200	150	N
DRU7823P	N	N	10	300	20	50	N	<50	30	30	N	10	N	300	300	N
DRU7825P	N	N	10	100	30	<50	N	<50	30	20	N	<10	N	N	150	N
DRU7827P	N	N	15	200	15	100	N	<50	50	<20	N	<10	N	700	100	N
DRU7829P	N	N	10	150	20	70	N	N	30	50	N	<10	N	700	70	N
DRU7831P	N	N	<10	50	70	50	15	N	70	50	N	<10	N	N	150	N
DRU7835P	N	N	15	70	<10	<50	N	N	20	<20	N	<10	N	<200	20	N
DRU7836P	N	N	15	30	10	<50	N	<50	15	<20	N	10	N	N	700	N
DRU7837P	N	N	20	500	30	200	N	N	70	50	N	10	N	<200	700	N

CHAPTER C

LATITUDE 46°30′-47°00′ LONGITUDE 113°00′-113°30′

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

SAMPLE	S-Y	S-ZN	S-ZR	S-TH	AA-AU
CHL8824P	50	N	150	N	<.050
DRU1581P	100	N	700	N	N
DRU1583P	20	N	150	N	2.000
DRU1589P	30	N	500	N	N
DRU1591P	200	N	1,000	N	30.350
DRU1593P	50	N	700	N	15.700
DRU1594P	70	N	700	N	10.900
DRU1596P	30	N	500	N	N
DRU1598P	20	N	200	N	N
DRU2400P	20	N	500	N	.510
DRU2402P	50	N	500	N	.420
DRU2425P	70	N	700	N	.850
DRU2427P	200	N	2,000	N	2.000
DRU2433P	30	N	500	N	N
DRU2436P	150	N	500	N	.400
DRU2438P	20	N	1,500	N	N
DRU2440P	20	N	1,500	N	<.020
DRU2447P	20	N	150	N	N
DRU2453P	50	7,000	300	N	N
DRU2459P	20	3,000	100	N	N
DRU2462P	<20	700	100	N	N
DRU2469P	70	N	200	N	<.050
DRU2471P	20	N	200	N	<.050
DRU2473P	20	N	200	N	<.050
DRU2475P	30	N	300	N	<.050
DRU3434P	<20	N	20	N	<.050
DRU3436P	<20	N	70	N	<.050
DRU3439P	30	N	700	N	<.050
DRU3441P	20	N	700	N	<.050
DRU3444P	30	N	200	N	<.050
DRU3446P	50	N	500	N	<.050
DRU3447P	N	N	150	N	<.050
DRU3449P	20	N	100	N	<.050
DRU3487P	20	N	300	N	<.050
DRU3489P	20	N	150	N	<.050
DRU3521P	50	N	300	N	<.050
DRU7821P	50	N	700	N	<.050
DRU7823P	70	N	700	N	<.050
DRU7825P	30	N	700	N	<.050
DRU7827P	<20	N	500	N	<.050
DRU7829P	30	N	300	N	<.050
DRU7831P	<20	N	200	N	<.050
DRU7835P	N	N	500	N	<.050
DRU7836P	70	N	1,500	N	<.050
DRU7837P	50	N	300	N	.560

CHAPTER C

LATITUDE 46°30′-47°00′ LONGITUDE 113°00′-113°30′

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
DRU7839P	46 37 17	113 1 19	15.0	5.00	5.00	1.00	3,000	N	N	N	20	300	N
DRU7841P	46 36 20	113 0 14	7.0	3.00	3.00	.70	1,500	N	N	N	N	1,500	<2
DRU7843P	46 37 18	113 3 28	7.0	.70	2.00	.70	7,000	N	N	N	20	3,000	3
DRU7845P	46 37 41	113 4 32	15.0	1.50	3.00	1.00	1,500	N	N	N	30	700	3
DRU7847P	46 37 58	113 5 4	5.0	1.00	3.00	1.00	3,000	N	N	N	30	700	3
DRU7936P	46 44 31	113 5 30	7.0	.70	2.00	1.00	3,000	N	N	N	20	3,000	2
DRU7938P	46 43 24	113 5 23	5.0	.15	.70	.20	500	N	N	N	<20	500	2
DRU7940P	46 41 4	113 5 41	7.0	.70	.70	.70	300	N	N	N	70	10,000	<2
DRU7942P	46 40 51	113 5 34	5.0	1.50	7.00	.50	1,500	N	N	N	50	1,500	2
DRU7944P	46 40 25	113 5 41	20.0	1.00	1.50	1.50	1,000	N	N	N	20	>10,000	N
DRU7946P	46 38 43	113 6 2	5.0	1.00	.70	.30	700	N	N	N	30	1,000	3
ELV1000	46 49 37	113 20 52	10.0	.50	.20	.30	500	1.5	N	N	500	2,000	5
ELV1000	46 49 39	113 20 42	15.0	2.00	7.00	.70	1,500	150.0	N	30	500	>10,000	3
ELV1000	46 49 39	113 20 42	15.0	2.00	5.00	.70	1,000	200.0	N	500	30	>10,000	<2
ELV1001	46 48 31	113 21 5	50.0	.70	5.00	.30	1,000	<1.0	N	N	N	5,000	N
ELV1001	46 48 31	113 21 5	15.0	1.50	15.00	1.00	2,000	15.0	N	20	<20	7,000	2
ELV1018	46 49 48	113 18 23	30.0	3.00	10.00	.50	1,500	N	N	N	150	70	N
ELV1018	46 49 48	113 18 23	10.0	5.00	15.00	1.00	700	N	N	N	100	50	<2
ELV1023	46 49 25	113 20 6	10.0	.70	.50	.50	1,500	70.0	N	150	150	>10,000	5
ELV1023	46 49 25	113 20 6	10.0	<.05	<.50	.30	50	50.0	N	700	<20	200	3
ELV1024P	46 49 44	113 18 32	1.5	7.00	10.00	.30	300	N	N	N	2,000	3,000	3
ELV4858P	46 52 22	113 22 23	15.0	2.00	7.00	1.50	1,500	N	N	N	50	500	<2
ELV5829P	46 47 55	113 16 38	3.0	5.00	7.00	.30	300	N	N	N	150	200	<2
ELV5831P	46 46 53	113 20 32	2.0	3.00	15.00	.10	300	N	N	N	50	700	N
ELV5842P	46 49 11	113 21 49	10.0	2.00	5.00	.50	700	N	N	N	<20	300	5
ELV5845P	46 49 14	113 21 41	30.0	1.50	3.00	.30	500	N	N	N	N	<50	N
ELV5847P	46 50 10	113 18 50	30.0	.70	1.50	.30	700	N	N	N	N	<50	N
ELV5849P	46 51 45	113 21 14	50.0	.30	.70	.30	700	N	N	N	N	150	N
ELV5851P	46 51 38	113 20 38	50.0	.20	.70	.20	700	N	N	N	N	50	N
ELV5855P	46 50 9	113 17 30	15.0	2.00	5.00	.70	1,500	N	N	N	<20	150	<2
ELV5974P	46 48 3	113 16 12	15.0	.70	7.00	1.50	2,000	N	N	N	20	200	N
ELV5975P	46 48 3	113 16 44	3.0	3.00	7.00	.30	300	N	N	N	200	150	<2
ELV5978P	46 46 58	113 20 54	30.0	.70	2.00	1.50	2,000	N	N	N	N	1,000	N
ELV5984P	46 48 29	113 21 17	5.0	1.00	3.00	1.50	500	N	N	N	50	700	<2
ELV5987P	46 48 32	113 21 4	30.0	.70	5.00	.50	700	70.0	N	700	N	3,000	N
ELV5990P	46 49 14	113 17 19	20.0	1.50	7.00	.70	1,000	N	N	N	20	300	N
ELV5992P	46 51 1	113 19 15	30.0	1.00	3.00	1.00	1,000	N	N	N	N	50	N
ELV5994P	46 51 40	113 20 58	30.0	.15	1.00	.30	700	N	N	N	N	70	N
ELV5996P	46 51 42	113 16 53	30.0	1.00	3.00	1.00	1,500	N	N	N	20	50	N
ELV5998P	46 51 23	113 18 6	7.0	1.50	5.00	1.50	1,500	N	N	N	<20	200	2
ELV6971P	46 45 48	113 15 59	20.0	1.50	3.00	1.00	700	N	<500	N	30	300	3
ELY5831P	46 46 54	113 20 31	10.0	.70	2.00	.70	700	N	N	N	<20	200	<2
GNG4821P	46 53 42	113 22 53	1.5	.30	.50	.50	150	N	N	N	200	1,500	<2
GNG4823P	46 53 14	113 22 59	10.0	2.00	7.00	1.50	2,000	N	N	N	150	7,000	2
GNG4840P	46 57 56	113 26 35	3.0	.70	.15	.70	500	N	N	N	150	700	3

LATITUDE 46°30′-47°00′ LONGITUDE 113°00′-113°30′

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	S-W
DRU7839P	N	N	15	700	20	70	N	<50	100	50	N	10	N	200	700	N
DRU7841P	N	N	10	500	20	70	N	N	100	<20	N	15	N	N	300	N
DRU7843P	N	N	15	70	30	500	N	<50	30	50	N	10	N	200	150	N
DRU7845P	N	N	10	200	20	200	N	<50	20	20	N	10	N	300	500	N
DRU7847P	N	N	15	70	<10	100	N	<50	15	20	N	10	N	300	150	N
DRU7936P	N	N	20	100	50	150	10	N	50	70	N	10	N	700	200	N
DRU7938P	N	N	N	50	20	70	N	N	10	100	N	<10	300	N	50	N
DRU7940P	N	N	10	100	70	70	N	N	15	50	N	<10	N	<200	300	N
DRU7942P	N	N	10	100	30	50	N	N	20	<20	N	<10	N	<200	150	N
DRU7944P	N	N	15	200	150	50	N	N	50	50	N	10	N	300	700	N
DRU7946P	N	N	N	70	<10	100	N	N	20	20	N	<10	N	N	70	N
ELV1000	N	N	30	50	100	70	N	<50	70	150	<200	10	N	N	70	N
ELV1000	500	N	70	70	3,000	200	<10	<50	100	3,000	1,000	10	N	700	200	N
ELV1000	70	N	50	50	2,000	70	70	<50	70	10,000	1,000	10	N	500	200	100
ELV1001	N	N	70	1,000	70	50	<10	N	70	100	N	<10	N	N	1,500	150
ELV1001	N	N	20	70	70	100	100	<50	50	200	N	10	N	<200	300	500
ELV1018	N	N	150	300	70	50	N	<50	70	500	N	10	N	N	1,500	N
ELV1018	N	N	50	30	100	70	N	<50	50	100	N	<10	N	N	300	<100
ELV1023	70	N	10	150	2,000	70	700	<50	20	5,000	2,000	10	N	5,000	200	N
ELV1023	N	N	10	20	70	N	<10	100	20	500	N	<10	N	N	20	N
ELV1024P	N	N	<10	70	20	200	<10	N	<10	100	N	15	N	N	70	500
ELV4858P	N	N	20	200	15	200	N	50	30	50	N	15	N	300	700	N
ELV5829P	N	N	15	50	50	50	N	N	20	300	N	10	N	N	200	N
ELV5831P	N	N	15	20	15	<50	N	N	30	70	N	N	50	<200	30	N
ELV5842P	N	N	15	200	10	100	N	<50	20	70	N	15	N	N	300	N
ELV5845P	N	N	20	700	30	<50	N	N	30	50	N	10	N	N	1,000	N
ELV5847P	N	N	30	1,000	50	<50	N	N	50	30	N	10	N	N	1,000	N
ELV5849P	N	N	20	500	30	<50	N	N	20	<20	N	10	N	N	1,000	N
ELV5851P	N	N	30	700	50	N	N	N	20	20	N	10	N	N	1,000	N
ELV5855P	N	N	20	200	15	50	N	<50	10	<20	N	50	N	200	500	N
ELV5974P	N	N	30	100	70	200	N	50	30	50	N	15	N	<200	700	N
ELV5975P	N	N	10	20	30	<50	N	N	20	150	N	<10	N	N	100	N
ELV5978P	N	N	70	500	150	1,000	N	N	100	100	N	10	N	200	700	N
ELV5984P	N	N	15	200	10	300	N	<50	50	20	N	10	N	1,500	100	N
ELV5987P	N	N	30	700	50	<50	20	N	50	70	N	10	N	N	1,000	150
ELV5990P	N	N	50	150	30	70	N	<50	50	50	N	10	30	N	700	N
ELV5992P	N	N	50	300	50	100	N	<50	30	30	N	10	N	N	1,000	N
ELV5994P	N	N	30	500	50	<50	N	N	20	20	N	<10	N	N	1,000	N
ELV5996P	N	N	50	500	30	50	N	<50	50	20	N	15	N	N	700	<100
ELV5998P	N	N	15	50	15	150	N	50	<10	20	N	15	N	500	300	N
ELV6971P	N	N	100	300	150	150	N	<50	100	500	N	15	N	<200	500	N
ELY5831P	N	N	15	100	30	100	N	<50	10	20	N	15	N	300	300	N
GNG4821P	N	N	<10	50	<10	70	N	N	10	30	N	10	N	<200	50	N
GNG4823P	N	N	20	70	20	150	15	<50	20	30	N	20	N	700	500	N
GNG4840P	N	N	10	50	10	50	N	<50	20	30	N	10	N	N	100	N

LATITUDE 46°30′-47°00′ LONGITUDE 113°00′-113°30′

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

SAMPLE	S-Y	S-ZN	S-ZR	S-TH	AA-AU
DRU7839P	300	N	>2,000	N	2.050
DRU7841P	50	N	700	N	<.050
DRU7843P	50	N	500	N	<.050
DRU7845P	70	N	>2,000	N	<.050
DRU7847P	50	N	700	N	.143
DRU7936P	50	N	500	N	N
DRU7938P	30	N	300	N	N
DRU7940P	50	N	>2,000	N	N
DRU7942P	20	N	300	N	N
DRU7944P	50	N	2,000	N	N
DRU7946P	70	N	500	N	N
ELV1000	100	N	1,000	N	--
ELV1000	50	N	300	N	--
ELV1000	30	N	700	N	--
ELV1001	50	N	700	N	--
ELV1001	100	N	1,500	N	--
ELV1018	50	N	1,000	N	--
ELV1018	70	N	700	N	--
ELV1023	50	500	700	N	--
ELV1023	100	2,000	1,000	N	--
ELV1024P	30	N	2,000	N	--
ELV4858P	200	N	700	N	.420
ELV5829P	N	N	150	N	<.050
ELV5831P	N	N	150	N	<.050
ELV5842P	70	N	200	N	<.050
ELV5845P	50	N	700	N	1.920
ELV5847P	50	N	1,000	N	.630
ELV5849P	70	N	1,500	N	5.800
ELV5851P	70	N	1,500	N	4.900
ELV5855P	100	N	1,500	N	<.050
ELV5974P	150	N	700	N	2.250
ELV5975P	N	N	700	N	<.050
ELV5978P	100	N	1,500	N	29.600
ELV5984P	100	N	1,500	N	.070
ELV5987P	70	N	1,500	N	5.640
ELV5990P	70	N	500	N	.900
ELV5992P	200	N	2,000	N	.640
ELV5994P	70	N	1,000	N	1.000
ELV5996P	150	N	1,500	N	<.050
ELV5998P	200	N	1,500	N	.100
ELV6971P	100	N	2,000	N	1.000
ELY5831P	150	N	1,500	N	28.900
GNG4821P	50	N	700	N	<.020
GNG4823P	200	N	700	N	.130
GNG4840P	50	N	700	N	<.020

LATITUDE 46°30′-47°00′ LONGITUDE 113°00′-113°30′

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
GNG4842P	46 57 57	113 26 31	2.0	.50	.10	.50	200	N	N	N	150	700	2
GNG4844P	46 57 55	113 26 35	2.0	.50	.10	.30	700	N	N	N	150	700	2
GNG4855	46 52 44	113 22 34	30.0	1.00	5.00	.50	1,000	N	N	N	N	1,000	N
GNG4855	46 52 44	113 22 34	7.0	3.00	7.00	1.00	1,500	N	N	N	N	500	<2
GNG4855	46 52 44	113 22 34	20.0	.70	1.50	.15	500	N	N	N	N	200	N
GNG4856P	46 52 44	113 22 34	5.0	2.00	.30	.70	1,000	N	N	N	<20	1,000	<2
GNG4865P	46 56 17	113 29 43	15.0	2.00	5.00	1.50	1,500	N	N	N	20	200	<2
UNI3977P	46 48 7	113 29 57	1.5	5.00	30.00	.20	300	1.0	N	N	200	300	2
UNI4852P	46 52 29	113 23 52	2.0	.70	.70	.30	300	N	N	N	150	1,500	2
UNI4925	46 50 44	113 22 59	50.0	.20	1.00	.30	1,000	100.0	N	700	N	500	N
UNI4925	46 50 44	113 22 59	30.0	.30	2.00	.30	700	70.0	N	300	20	300	<2
UNI4928	46 50 46	113 22 44	50.0	.15	.15	.07	500	300.0	500	>1,000	N	150	<2
UNI4928	46 50 46	113 22 44	30.0	.05	.10	.03	300	150.0	500	700	N	70	<2
UNI4929	46 50 44	113 22 59	30.0	.70	1.00	.50	1,000	100.0	N	200	300	700	3
UNI4929	46 50 44	113 22 59	20.0	.30	.70	.30	700	70.0	<500	200	150	300	<2
UNI4939P	46 50 21	113 23 59	15.0	2.00	7.00	1.00	1,000	50.0	N	700	150	3,000	<2
UNI4941P	46 50 21	113 23 59	15.0	2.00	7.00	1.00	1,500	7.0	N	N	300	2,000	<2
UNI4942	46 50 20	113 23 56	20.0	3.00	10.00	1.50	1,500	70.0	N	20	70	150	N
UNI4942	46 50 20	113 23 56	15.0	2.00	7.00	1.00	1,000	300.0	N	300	20	100	<2
UNI4944	46 50 20	113 23 56	10.0	3.00	7.00	1.00	1,000	1.5	N	N	20	150	<2
UNI4944P	46 50 20	113 23 56	50.0	1.50	5.00	.50	1,500	N	N	N	N	200	N
UNI4946P	46 50 39	113 22 59	10.0	1.00	2.00	1.00	3,000	5.0	N	<20	700	700	N
UNI4947P	46 50 39	113 22 59	30.0	1.50	3.00	1.50	1,500	100.0	N	700	50	300	<2
UNI4949P	46 50 39	113 22 53	20.0	.70	1.50	1.00	700	70.0	N	30	700	200	2
UNI4952P	46 50 39	113 22 40	20.0	2.00	5.00	1.50	2,000	N	N	N	20	150	<2
UNI4957P	46 51 16	113 27 19	3.0	1.50	.50	.50	700	<1.0	N	N	100	1,500	5
UNI4959P	46 51 33	113 29 12	3.0	1.50	1.50	.30	700	N	N	N	100	1,000	3
UNI4963P	46 49 57	113 27 49	2.0	1.00	.10	.50	700	N	N	N	200	5,000	5
UNI4967P	46 48 43	113 26 58	20.0	.20	.20	.20	700	N	N	N	150	1,000	5
UNI4970P	46 48 57	113 25 10	5.0	1.00	1.00	.70	700	N	N	N	200	2,000	3
UNI4972P	46 48 30	113 26 45	5.0	.70	20.00	.50	500	N	N	N	200	700	2
UNI4986P	46 47 4	113 24 19	20.0	7.00	7.00	2.00	3,000	N	N	N	20	700	N
UNI4988P	46 47 5	113 24 22	5.0	1.50	7.00	1.50	1,000	7.0	N	150	30	1,000	2
UNI4990P	46 46 40	113 25 17	15.0	7.00	7.00	2.00	2,000	N	N	N	20	700	<2
UNI4993P	46 45 46	113 22 51	7.0	7.00	7.00	1.00	1,500	N	N	N	20	7,000	<2
UNI5938P	46 49 19	113 22 30	50.0	1.00	3.00	1.50	1,000	N	N	N	N	300	N
WIH5828P	46 46 12	113 12 51	5.0	.70	1.50	.70	500	N	N	N	30	2,000	<2
WIH5861P	46 47 52	113 12 10	3.0	1.00	2.00	.70	700	N	N	N	20	1,000	<2
WIH5863P	46 49 54	113 13 27	10.0	2.00	7.00	.70	1,000	N	N	N	<20	300	N
WIH5865P	46 47 29	113 8 26	5.0	1.50	1.50	.50	700	N	N	N	20	1,000	<2
WIH5971P	46 45 45	113 12 23	7.0	1.00	1.50	.70	2,000	N	N	N	150	2,000	<2
WIH6901P	46 47 40	113 11 55	15.0	2.00	3.00	2.00	700	N	N	N	20	500	N
WIH6902P	46 49 52	113 13 37	20.0	1.50	7.00	.30	1,000	N	N	N	N	<50	N
WIH6905P	46 47 9	113 9 53	7.0	2.00	3.00	1.00	2,000	N	N	N	N	2,000	N
WIH7954P	46 48 28	113 8 3	5.0	3.00	3.00	.70	1,000	N	N	N	30	2,000	2

LATITUDE 46°30′-47°00′ LONGITUDE 113°00′-113°30′

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	S-W
GNG4842P	N	N	<10	30	15	50	N	<50	15	20	N	10	N	N	100	N
GNG4844P	N	N	<10	30	<10	<50	N	<50	20	<20	N	10	N	N	70	N
GNG4855	N	N	50	1,000	50	100	N	N	50	50	<200	50	N	N	1,500	N
GNG4855	N	N	20	50	20	150	N	<50	10	50	N	30	N	200	150	N
GNG4855	N	N	15	300	20	N	N	N	15	20	N	10	N	N	500	N
GNG4856P	N	N	15	20	15	<50	N	<50	20	30	N	20	N	N	100	N
GNG4865P	N	N	20	200	20	300	N	50	20	30	N	15	N	200	700	N
UNI3977P	N	N	N	50	10	50	N	<50	15	70	N	<10	N	N	70	N
UNI4852P	N	N	N	50	10	70	N	N	15	50	N	10	N	300	70	N
UNI4925	70	N	150	700	5,000	<50	N	N	100	1,000	1,500	10	N	N	1,000	N
UNI4925	70	N	100	70	3,000	70	N	<50	70	2,000	1,500	10	N	N	500	N
UNI4928	N	N	30	30	7,000	<50	150	N	50	3,000	500	N	N	N	200	N
UNI4928	N	N	20	<20	5,000	<50	100	N	20	3,000	2,000	10	N	N	150	N
UNI4929	100	N	70	30	7,000	70	N	N	70	2,000	2,000	10	N	N	300	N
UNI4929	70	N	100	20	5,000	<50	N	N	50	2,000	2,000	15	N	N	200	N
UNI4939P	N	N	70	300	200	300	N	<50	50	1,500	<200	15	N	<200	700	N
UNI4941P	N	N	50	200	100	100	N	<50	50	1,000	N	15	N	200	5,000	N
UNI4942	N	N	50	200	150	500	N	100	100	500	<200	15	70	N	700	N
UNI4942	<20	N	30	200	150	200	N	50	50	1,500	<200	15	50	N	300	<100
UNI4944	N	N	30	100	70	300	N	50	30	150	N	15	70	N	200	<100
UNI4944P	N	N	70	1,000	50	70	N	N	100	100	<200	15	N	N	2,000	<100
UNI4946P	N	N	70	150	700	100	N	<50	50	7,000	200	10	N	<200	2,000	500
UNI4947P	N	N	100	700	700	100	N	50	70	2,000	1,000	15	N	<200	1,000	N
UNI4949P	50	N	150	150	2,000	300	N	<50	70	5,000	2,000	10	N	<200	700	N
UNI4952P	N	N	30	700	70	100	N	50	30	100	N	15	N	<200	1,000	N
UNI4957P	N	N	10	<20	15	50	N	<50	15	70	N	10	N	<200	70	N
UNI4959P	N	N	15	300	15	50	N	<50	50	70	N	10	N	300	70	N
UNI4963P	N	N	10	20	20	50	N	<50	20	50	N	10	N	<200	70	N
UNI4967P	N	N	20	50	500	50	N	<50	30	50	N	10	N	<200	50	N
UNI4970P	N	N	15	50	15	70	N	N	30	30	N	10	N	700	100	N
UNI4972P	N	N	20	70	100	50	N	<50	50	300	N	10	N	<200	100	N
UNI4986P	N	N	70	700	20	>2,000	N	<50	300	30	N	20	N	1,000	200	N
UNI4988P	N	N	15	70	<10	1,500	N	<50	30	30	N	10	N	2,000	200	N
UNI4990P	N	N	70	1,000	20	1,500	N	<50	300	30	N	20	N	1,500	200	N
UNI4993P	N	N	50	700	15	1,000	N	<50	200	30	N	20	N	2,000	200	N
UNI5938P	N	N	70	1,000	30	1,000	N	<50	50	70	N	10	N	N	1,500	N
WIH5828P	N	N	15	150	15	50	N	N	70	50	N	10	150	1,000	70	N
WIH5861P	N	N	15	300	15	50	N	<50	70	70	N	10	70	700	100	N
WIH5863P	N	N	30	700	30	50	N	N	150	30	N	50	N	200	200	N
WIH5865P	N	N	15	500	20	70	N	N	100	30	N	10	N	1,000	100	N
WIH5971P	N	N	70	700	50	50	N	<50	100	150	N	10	N	500	200	N
WIH6901P	N	N	50	1,500	50	<50	N	50	200	70	N	15	<20	500	500	N
WIH6902P	N	N	20	200	50	N	N	N	50	70	N	N	N	N	700	<100
WIH6905P	N	N	20	700	50	70	N	<50	150	30	N	15	N	1,000	300	N
WIH7954P	N	N	20	500	30	100	N	<50	150	30	N	20	N	1,000	100	N

LATITUDE 46°30′-47°00′ LONGITUDE 113°00′-113°30′

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

SAMPLE	S-Y	S-ZN	S-ZR	S-TH	AA-AU
GNG4842P	50	N	700	N	<.020
GNG4844P	30	N	700	N	<.020
GNG4855	100	N	2,000	N	--
GNG4855	100	N	>2,000	N	--
GNG4855	<20	N	300	N	--
GNG4856P	50	N	500	N	<.050
GNG4865P	200	N	1,000	N	<.020
UNI3977P	<20	N	150	N	<.020
UNI4852P	30	N	700	N	<.020
UNI4925	70	N	2,000	N	--
UNI4925	100	N	>2,000	N	--
UNI4928	50	<500	1,500	N	--
UNI4928	20	N	700	N	--
UNI4929	100	N	200	N	--
UNI4929	50	N	500	N	--
UNI4939P	300	N	>2,000	N	24.400
UNI4941P	150	N	700	N	15.200
UNI4942	300	N	700	N	--
UNI4942	200	N	1,000	N	--
UNI4944	150	N	500	N	--
UNI4944P	100	N	700	N	--
UNI4946P	100	N	700	N	3.600
UNI4947P	300	N	1,500	N	860.000
UNI4949P	150	N	1,500	N	180.000
UNI4952P	300	N	>2,000	N	10.500
UNI4957P	50	N	500	N	.120
UNI4959P	20	N	500	N	.120
UNI4963P	50	N	500	N	<.020
UNI4967P	50	N	300	N	<.020
UNI4970P	30	N	700	N	<.020
UNI4972P	<20	N	700	N	<.020
UNI4986P	200	N	1,500	200	2.300
UNI4988P	100	N	500	N	.070
UNI4990P	70	N	1,000	N	.300
UNI4993P	50	N	700	N	<.050
UNI5938P	300	N	>2,000	N	<.050
WIH5828P	N	N	150	N	<.050
WIH5861P	N	N	500	N	<.050
WIH5863P	30	<500	700	N	1.680
WIH5865P	<20	N	500	N	1.140
WIH5971P	<20	N	500	N	.050
WIH6901P	<20	N	700	N	2.400
WIH6902P	20	N	700	N	46.300
WIH6905P	N	N	150	N	<.050
WIH7954P	30	N	700	N	N

CHAPTER C

LATITUDE 46°30′-47°00′ LONGITUDE 113°00′-113°30′

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
WIH7956P	46 49 57	113 10 25	7.0	5.00	5.00	1.00	1,500	N	N	N	N	2,000	<2
WIH7958P	46 49 52	113 10 26	3.0	3.00	2.00	.70	700	N	N	N	70	2,000	3
WIH7960P	46 49 22	113 9 28	10.0	3.00	3.00	1.50	7,000	N	N	N	N	5,000	<2
WIH7962P	46 49 21	113 9 39	7.0	7.00	5.00	1.00	1,500	N	N	N	N	2,000	<2
WIH7964P	46 48 15	113 13 3	7.0	1.50	1.50	.70	2,000	N	N	N	50	2,000	<2
WIH7966P	46 48 14	113 12 56	5.0	3.00	5.00	1.00	1,500	N	N	N	70	1,000	3
WIH7968P	46 48 56	113 13 23	10.0	7.00	10.00	1.00	3,000	N	N	N	N	1,000	2
WIH7970P	46 46 33	113 11 50	10.0	3.00	3.00	1.50	3,000	N	N	N	20	3,000	3
WIH7972P	46 45 19	113 11 48	5.0	3.00	3.00	1.00	1,000	N	N	N	20	2,000	<2
WIH7974P	46 45 38	113 8 39	5.0	2.00	2.00	.70	700	N	N	N	30	3,000	2
WIH7976P	46 46 29	113 8 12	3.0	.70	2.00	1.50	1,500	N	N	N	N	1,500	2
WIH7978P	46 46 27	113 8 4	5.0	1.00	3.00	1.50	1,500	N	N	N	N	2,000	<2

CHAPTER C

LATITUDE 46°30′-47°00′ LONGITUDE 113°00′-113°30′

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	S-W
WIH7956P	N	N	20	500	50	70	N	N	150	30	N	20	N	1,000	200	N
WIH7958P	N	N	10	200	15	70	N	N	100	30	N	10	N	1,000	100	N
WIH7960P	N	N	50	500	100	70	N	N	150	50	N	15	N	1,500	300	N
WIH7962P	N	N	20	1,500	30	70	N	<50	150	<20	N	20	N	1,000	150	N
WIH7964P	N	N	20	300	30	50	N	N	100	50	N	10	N	700	150	N
WIH7966P	N	N	15	150	50	70	N	N	70	20	N	10	N	700	150	N
WIH7968P	N	N	20	300	70	100	N	N	150	30	N	20	N	700	300	N
WIH7970P	N	N	30	700	70	100	N	<50	150	70	N	15	N	1,000	300	N
WIH7972P	N	N	15	300	30	70	N	N	70	50	N	15	N	1,000	150	N
WIH7974P	N	N	15	200	20	70	N	N	70	50	N	15	N	1,500	100	N
WIH7976P	N	N	15	100	<10	100	N	N	30	50	N	<10	N	1,000	150	N
WIH7978P	N	N	20	200	10	100	N	N	50	30	N	10	N	1,000	150	N

LATITUDE 46°30'-47°00' LONGITUDE 113°00'-113°30'

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

SAMPLE	S-Y	S-ZN	S-ZR	S-TH	AA-AU
WIH7956P	<20	N	700	N	N
WIH7958P	<20	N	500	N	N
WIH7960P	<20	N	300	N	N
WIH7962P	50	N	700	N	N
WIH7964P	<20	N	700	N	N
WIH7966P	30	N	500	N	N
WIH7968P	70	N	700	N	N
WIH7970P	30	N	1,500	N	N
WIH7972P	30	N	700	N	N
WIH7974P	30	N	200	N	N
WIH7976P	30	N	300	N	N
WIH7978P	50	N	700	N	N

CHAPTER C

LATITUDE 46°30′-47°00′ LONGITUDE 113°00′-113°30′

TABLE 3. STREAM-SEDIMENT 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	S-BI
BAT7848S	46 52 43	113 20 34	5.0	1.5	3.00	.50	1,500	N	N	N	50	300	2.0	N
BAT7853S	46 52 47	113 22 9	7.0	3.0	3.00	.50	1,500	N	N	N	20	>5,000	1.5	N
BAT7854S	46 53 50	113 21 47	3.0	1.5	.70	.30	700	N	N	N	30	1,500	2.0	N
BAT7856S	46 53 54	113 21 44	2.0	.5	.50	.30	300	N	N	N	100	700	1.5	N
BAT7858S	46 53 6	113 18 35	7.0	1.5	3.00	1.00	1,500	N	N	N	30	300	1.5	N
BAT7860S	46 54 20	113 16 10	7.0	1.5	3.00	.70	1,500	N	N	N	20	300	2.0	N
BAT7862S	46 53 23	113 15 22	3.0	.7	1.50	.30	5,000	N	N	N	30	500	2.0	N
BAT7863S	46 56 13	113 15 34	1.5	.7	.70	.20	300	N	N	N	100	500	5.0	N
BAT7865S	46 59 4	113 15 9	3.0	1.0	.30	.30	500	N	N	N	150	1,000	2.0	N
BAT7867S	46 57 16	113 16 11	3.0	.7	.70	.30	1,500	<.5	N	N	50	500	7.0	N
BAT7868S	46 58 28	113 16 11	3.0	.7	.70	.30	1,500	5.0	N	N	150	700	3.0	N
BAT7870S	46 58 43	113 16 56	3.0	1.0	.30	.50	1,500	N	N	N	150	500	2.0	N
BAT7872S	46 58 41	113 16 58	3.0	1.0	.30	.50	1,500	N	N	N	150	500	2.0	N
BAT7875S	46 57 15	113 21 39	3.0	.7	.50	.50	1,000	N	N	N	200	700	2.0	N
BAT7876S	46 57 4	113 21 2	3.0	.7	.50	.30	500	N	N	N	150	700	3.0	N
BAT7877S	46 55 52	113 22 6	2.0	.7	.70	.30	1,000	N	N	N	100	700	2.0	N
BAT7878S	46 54 20	113 20 11	1.5	.7	.50	.30	300	N	N	N	200	500	1.5	N
BAT7880S	46 55 23	113 20 35	2.0	2.0	.70	.30	700	N	N	N	200	500	5.0	N
BAT7882S	46 55 23	113 20 30	3.0	1.5	.70	.30	500	N	N	N	100	300	2.0	N
BAT7884S	46 56 2	113 20 39	3.0	.7	.70	.50	700	N	N	N	150	700	2.0	N
BAT7886S	46 58 29	113 19 21	3.0	1.5	2.00	.20	700	N	N	N	30	1,500	2.0	N
BAT7888S	46 57 34	113 18 47	3.0	1.0	2.00	.50	700	N	N	N	30	1,500	1.5	N
BAT7890S	46 57 15	113 17 44	3.0	1.0	.70	.50	1,000	N	N	N	200	700	2.0	N
BAT7892S	46 55 17	113 16 48	1.5	.5	.70	.30	500	<.5	N	N	50	300	5.0	N
BAT7893S	46 55 18	113 16 48	3.0	1.0	.50	.50	1,000	N	N	N	150	700	2.0	N
BEM1125S	46 30 26	113 22 49	1.0	.3	.20	.15	300	N	N	N	70	300	2.0	N
BEM1458S	46 35 31	113 28 49	5.0	.7	.50	.70	1,000	N	N	N	150	1,000	2.0	N
BEM1459S	46 35 53	113 26 53	2.0	.5	.70	.50	700	N	N	N	200	2,000	10.0	N
BEM1460S	46 36 9	113 26 20	3.0	.7	1.00	.30	1,000	N	N	N	70	1,000	3.0	N
BEM1461S	46 36 29	113 25 57	3.0	.7	.50	.30	300	N	N	N	50	1,000	3.0	N
BEM1463S	46 38 34	113 24 57	3.0	1.0	1.00	.30	300	N	N	N	70	1,000	3.0	N
BEM1572S	46 39 5	113 24 37	2.0	1.0	2.00	.30	300	N	200	N	200	500	7.0	N
BEM1574S	46 39 26	113 24 25	2.0	.7	1.00	.30	700	N	N	N	150	1,000	5.0	N
BEM1576S	46 40 33	113 23 35	5.0	1.0	1.50	.50	700	N	200	N	200	1,000	3.0	N
BEM1578S	46 40 58	113 22 51	5.0	1.0	1.50	1.00	1,000	N	200	N	150	700	2.0	N
BEM1579S	46 41 31	113 21 53	1.0	.3	1.50	.30	300	N	200	N	70	700	5.0	N
BEM2405S	46 37 47	113 17 15	1.0	.3	.30	.30	300	N	N	N	50	200	1.5	N
BEM2406S	46 36 15	113 18 31	1.5	.3	.30	.30	200	N	N	N	70	200	1.0	N
BEM2408S	46 36 15	113 19 57	1.5	.2	.15	.30	200	N	N	N	100	200	1.0	N
BEM2410S	46 35 0	113 16 53	1.5	.5	.30	.30	300	N	N	N	150	200	1.0	N
BEM2411S	46 31 38	113 16 34	1.5	.5	1.00	.30	1,000	N	N	N	70	500	1.0	N
BEM2413S	46 31 15	113 15 35	2.0	.3	1.00	.30	500	N	N	N	70	200	<1.0	N
BEM2414S	46 30 28	113 17 7	2.0	.3	1.00	.30	300	N	N	N	70	300	1.5	N
BEM2887S	46 37 0	113 29 55	2.0	.5	1.50	.20	1,000	N	N	N	150	1,000	7.0	N
BEM2889S	46 36 47	113 29 24	1.5	.5	1.00	.30	300	N	N	N	100	1,000	10.0	N

CHAPTER C

LATITUDE 46°30'-47°00' LONGITUDE 113°00'-113°30'

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

SAMPLE	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN
BAT7848S	N	10	30	15	50	N	<20	10	20	N	15	N	500	100	N	50	N
BAT7853S	N	15	70	50	30	N	N	20	30	N	15	N	500	150	N	30	N
BAT7854S	N	10	50	30	30	N	N	15	20	N	10	N	100	20	N	50	N
BAT7856S	N	5	30	15	20	N	<20	7	20	N	5	N	<100	20	N	20	N
BAT7858S	N	10	50	30	70	N	<20	10	20	N	15	N	300	150	N	100	N
BAT7860S	N	10	50	20	50	N	<20	10	30	N	15	N	500	150	N	70	N
BAT7862S	N	20	50	15	30	5	N	10	15	N	7	N	200	150	N	30	N
BAT7863S	N	5	30	20	30	N	N	10	10	N	5	N	N	30	N	50	N
BAT7865S	N	7	50	30	30	N	N	20	15	N	7	N	N	50	N	30	N
BAT7867S	N	10	30	70	200	N	N	30	30	N	10	N	N	70	N	150	N
BAT7868S	N	10	70	30	50	N	<20	30	20	N	10	N	<100	70	N	70	N
BAT7870S	N	10	70	30	50	N	<20	30	30	N	10	N	N	70	N	30	N
BAT7872S	N	10	30	30	30	N	N	30	30	N	7	N	N	70	N	30	N
BAT7875S	N	10	30	30	30	N	N	20	30	N	7	N	<100	70	N	20	N
BAT7876S	N	7	30	70	30	N	N	30	30	N	7	N	<100	50	N	30	N
BAT7877S	N	7	20	20	30	N	N	15	20	N	7	N	100	50	N	20	N
BAT7878S	N	7	30	10	30	N	N	5	10	N	5	N	N	30	N	20	N
BAT7880S	N	7	30	20	50	N	N	20	15	N	5	N	<100	50	N	30	N
BAT7882S	N	7	50	30	30	N	N	30	20	N	5	N	<100	50	N	30	N
BAT7884S	N	10	50	30	30	N	N	30	20	N	7	N	<100	70	N	50	N
BAT7886S	N	10	70	30	30	N	N	50	30	N	5	N	1,000	50	N	15	N
BAT7888S	N	10	30	30	150	N	N	20	30	N	7	N	1,500	70	N	20	N
BAT7890S	N	10	50	50	100	N	<20	30	30	N	7	N	100	70	N	50	N
BAT7892S	N	7	50	20	30	N	<20	15	20	N	10	N	<100	70	N	50	N
BAT7893S	N	10	70	30	30	N	<20	15	30	N	10	N	100	100	N	30	N
BEM1125S	N	7	10	15	30	N	N	15	30	N	7	N	N	30	N	50	N
BEM1458S	N	10	50	30	50	N	<20	15	20	N	10	N	N	150	N	30	N
BEM1459S	N	5	50	15	20	N	<20	20	20	N	7	N	<100	50	N	70	N
BEM1460S	N	7	50	20	50	N	<20	15	20	N	10	N	100	50	N	50	N
BEM1461S	N	10	50	20	70	N	<20	15	20	N	10	N	<100	50	N	70	N
BEM1463S	N	10	50	30	70	N	<20	20	20	N	10	N	100	50	N	70	N
BEM1572S	N	7	50	20	50	N	<20	30	30	N	7	N	N	50	N	50	N
BEM1574S	N	10	100	30	30	N	<20	20	30	N	7	N	100	50	N	50	N
BEM1576S	N	10	100	70	30	N	<20	30	30	N	10	N	<100	100	N	30	N
BEM1578S	N	15	70	70	50	N	<20	30	30	N	10	N	300	200	N	100	N
BEM1579S	N	N	30	20	30	N	N	10	30	N	5	N	100	50	N	20	N
BEM2405S	N	7	20	15	20	N	N	10	20	N	7	N	100	30	N	20	N
BEM2406S	N	7	15	15	30	N	N	15	30	N	7	20	<100	50	N	30	N
BEM2408S	N	7	20	15	30	N	N	15	15	N	7	N	N	50	N	20	N
BEM2410S	N	7	15	15	30	N	N	10	20	N	5	N	N	50	N	15	N
BEM2411S	N	10	15	15	20	N	<20	10	20	N	7	N	200	50	N	20	N
BEM2413S	N	7	15	15	100	N	N	7	15	N	10	N	100	70	N	30	N
BEM2414S	N	7	15	20	20	N	<20	7	30	N	7	N	100	50	N	20	N
BEM2887S	N	<5	70	20	30	N	<20	30	20	N	7	N	<100	50	N	30	N
BEM2889S	N	N	70	20	30	N	<20	30	20	N	10	N	<100	50	N	70	N

LATITUDE 46°30'-47°00' LONGITUDE 113°00'-113°30'

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

SAMPLE	S-ZR	S-TH	AA-CU	AA-PB	AA-ZN	AA-AG	AA-CD	AA-BI	AA-SB
BAT7848S	300	N	3.0	3.0	13.0	<.05	.15	1.0	<1
BAT7853S	300	N	23.0	5.0	13.0	<.05	.15	1.0	<1
BAT7854S	150	N	16.0	7.0	23.0	.09	.25	1.0	<1
BAT7856S	500	N	9.0	8.0	19.0	<.05	.15	1.0	1
BAT7858S	200	N	2.0	3.0	7.0	<.05	.15	1.0	<1
BAT7860S	500	N	5.0	4.0	7.0	<.05	.15	1.0	<1
BAT7862S	150	N	7.0	10.0	57.0	.09	.60	<1.0	<1
BAT7863S	150	N	9.0	7.0	6.0	.16	.10	<1.0	<1
BAT7865S	200	N	15.0	8.0	9.0	.07	.10	<1.0	<1
BAT7867S	150	N	106.0	33.0	20.0	.70	.65	<1.0	<1
BAT7868S	300	N	32.0	21.0	15.0	.10	.25	<1.0	<1
BAT7870S	300	N	26.0	26.0	21.0	.10	.20	<1.0	<1
BAT7872S	150	N	18.0	22.0	23.0	.10	.25	<1.0	<1
BAT7875S	300	N	15.0	23.0	36.0	<.05	.35	<1.0	<1
BAT7876S	200	N	64.0	24.0	35.0	.28	.35	<1.0	1
BAT7877S	200	N	9.0	9.0	9.0	.07	.30	2.0	<1
BAT7878S	>1,000	N	3.0	3.0	2.0	.12	.08	1.0	<1
BAT7880S	200	N	6.0	5.0	6.0	<.05	.10	1.0	<1
BAT7882S	200	N	17.0	10.0	9.0	.16	.20	2.0	1
BAT7884S	200	N	22.0	10.0	11.0	.09	.20	2.0	1
BAT7886S	100	N	17.0	13.0	43.0	.20	.30	1.0	1
BAT7888S	150	N	11.0	5.0	9.0	.08	.15	1.0	1
BAT7890S	300	N	27.0	11.0	13.0	.12	.20	2.0	1
BAT7892S	200	N	17.0	23.0	12.0	.33	.55	<1.0	1
BAT7893S	300	N	10.0	22.0	11.0	.14	.25	<1.0	<1
BEM1125S	200	N	21.0	9.0	6.0	.16	.30	1.0	N
BEM1458S	300	N	1.0	.8	1.0	<.02	.02	<.5	<1
BEM1459S	300	N	6.0	2.0	5.0	N	.09	N	N
BEM1460S	200	N	1.1	1.3	3.0	.02	.02	<.5	<1
BEM1461S	200	N	1.6	.6	2.0	.02	<.02	<.5	<1
BEM1463S	200	N	1.2	.8	1.5	.02	.02	<.5	<1
BEM1572S	300	N	18.0	16.0	34.0	.08	.40	N	2
BEM1574S	300	N	11.0	7.0	13.0	<.05	.19	2.0	N
BEM1576S	200	N	31.0	10.0	25.0	.09	.34	<1.0	2
BEM1578S	300	N	20.0	7.0	15.0	<.05	.14	<1.0	1
BEM1579S	70	N	27.0	20.0	43.0	.17	.90	<1.0	2
BEM2405S	200	N	5.0	5.0	8.0	<.05	.75	<1.0	N
BEM2406S	300	N	14.0	13.0	16.0	.07	.60	1.0	N
BEM2408S	300	N	8.0	4.0	10.0	<.05	.40	1.0	N
BEM2410S	300	N	7.0	5.0	9.0	<.05	.40	1.0	N
BEM2411S	200	N	6.0	11.0	9.0	<.05	.70	1.0	N
BEM2413S	300	N	6.0	6.0	8.0	<.05	.65	<1.0	N
BEM2414S	300	N	17.0	13.0	31.0	.10	.75	1.0	N
BEM2887S	150	N	20.0	10.0	15.0	.13	.37	N	N
BEM2889S	150	N	28.9	9.6	9.6	.12	.12	N	N

CHAPTER C

LATITUDE 46°30′-47°00′ LONGITUDE 113°00′-113°30′

TABLE 3. STREAM-SEDIMENT 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	S-BI
BEM2890S	46 36 38	113 28 21	2.0	1.0	.70	.30	1,000	N	N	N	200	1,500	10.0	N
BEM2892S	46 36 37	113 25 56	3.0	1.0	.30	.30	500	N	N	N	200	1,500	3.0	N
BEM2893S	46 36 46	113 25 40	1.5	.5	.50	.30	1,000	N	N	N	150	1,000	3.0	N
BEM2894S	46 37 6	113 25 39	2.0	.7	.50	.20	300	N	N	N	50	1,500	3.0	N
BEM2895S	46 37 6	113 25 26	1.5	.5	.15	.30	500	N	N	N	150	700	3.0	N
BEM2896S	46 37 33	113 25 19	1.5	.5	.20	.30	200	<.5	N	N	100	700	2.0	N
BEM2898S	46 37 44	113 25 27	1.5	.5	1.00	.20	700	<.5	N	N	100	1,500	10.0	N
BEM2899S	46 38 30	113 25 11	1.0	1.0	3.00	.20	1,000	N	N	N	100	300	3.0	N
BEM2988S	46 42 24	113 22 22	2.0	.7	.30	.50	300	N	N	N	200	1,000	3.0	N
BEM2997S	46 41 36	113 30 0	3.0	.7	1.00	.30	1,500	N	N	N	70	1,000	2.0	N
BEM2998S	46 41 47	113 28 22	7.0	.7	1.00	1.00	700	N	N	N	70	1,000	1.5	N
BEM3433S	46 42 51	113 15 30	5.0	1.5	2.00	.70	1,000	<.5	N	N	100	1,000	2.0	N
BEM4886S	46 43 16	113 19 48	2.0	2.0	15.00	.30	700	N	N	N	100	1,000	3.0	N
BEM4887S	46 44 13	113 20 52	2.0	1.0	5.00	.30	700	N	N	N	150	700	5.0	N
BEM4888S	46 44 53	113 21 53	1.5	1.5	3.00	.30	1,000	N	N	N	70	2,000	3.0	N
BEM4889S	46 44 34	113 20 26	2.0	.5	3.00	.30	1,000	N	N	N	150	700	3.0	N
BEM4891S	46 42 24	113 20 47	3.0	1.0	2.00	.50	1,000	N	N	N	70	2,000	2.0	N
BEM4893S	46 42 20	113 21 39	3.0	1.5	2.00	.50	1,000	N	N	N	100	1,000	2.0	N
BEM4895S	46 42 59	113 22 55	3.0	1.0	2.00	.50	700	N	N	N	150	1,000	2.0	N
BEM4897S	46 42 59	113 22 55	3.0	1.0	2.00	.50	700	N	N	N	150	1,500	2.0	N
BEM4899S	46 42 56	113 23 3	3.0	1.0	2.00	.50	700	N	N	N	150	1,000	3.0	N
BEM4979S	46 43 45	113 27 42	2.0	7.0	20.00	.30	700	N	N	N	50	700	2.0	N
BEM4995S	46 43 17	113 28 12	3.0	7.0	15.00	.30	1,000	1.0	N	N	150	500	2.0	N
BEM4996S	46 43 45	113 27 49	.7	10.0	15.00	.07	700	N	N	N	50	150	<1.0	N
BEM4997S	46 44 10	113 27 24	1.5	5.0	15.00	.15	700	N	N	N	70	200	2.0	N
BEM4998S	46 44 40	113 27 8	3.0	7.0	15.00	.20	700	<.5	N	N	70	300	1.5	N
BEM4999S	46 44 38	113 26 57	3.0	.7	1.50	.50	1,500	N	N	N	200	700	3.0	N
BEM5800S	46 41 55	113 25 14	2.0	.7	.30	.30	1,000	N	N	N	200	1,000	3.0	N
BEM5801S	46 42 27	113 23 40	2.0	.7	10.00	.30	700	N	N	N	150	700	2.0	N
BEM5804S	46 41 12	113 26 30	2.0	1.0	2.00	.30	700	N	N	N	150	1,000	5.0	N
BEM5805S	46 43 30	113 17 35	3.0	1.0	2.00	.30	300	<.5	N	N	150	1,000	1.5	N
BEM5806S	46 43 30	113 17 32	3.0	1.5	15.00	.30	700	N	N	N	150	1,000	2.0	N
BEM5807S	46 44 39	113 16 32	3.0	3.0	15.00	.20	1,000	N	N	N	150	500	2.0	N
BEM5808S	46 44 37	113 16 25	3.0	5.0	15.00	.20	700	N	N	N	150	500	1.5	N
BEM5809S	46 44 8	113 16 16	3.0	.7	2.00	.30	1,000	N	N	N	200	500	2.0	N
BEM5810S	46 43 13	113 16 39	5.0	1.5	2.00	.50	1,000	N	N	N	150	1,000	1.5	N
BEM5811S	46 43 11	113 15 57	3.0	1.0	7.00	.30	1,000	N	N	N	150	1,000	1.5	N
BEM5812S	46 41 21	113 25 18	3.0	.7	1.50	.50	--	N	N	N	150	1,000	3.0	N
BEM5813S	46 41 25	113 25 41	5.0	1.0	1.00	.70	1,000	N	N	N	100	1,000	3.0	N
BEM5814S	46 42 19	113 26 58	2.0	7.0	15.00	.20	700	N	N	N	70	500	1.5	N
BEM5814S	46 42 15	113 27 0	3.0	.7	1.00	.30	700	N	N	N	100	1,000	3.0	N
BEM5815S	46 33 58	113 16 1	7.0	.7	1.50	.30	1,000	N	N	N	100	1,000	1.5	N
BEM5816S	46 33 26	113 17 10	5.0	1.5	1.50	.50	1,000	N	N	N	200	1,000	3.0	N
BEM5817S	46 33 45	113 18 25	2.0	7.0	15.00	.15	700	N	N	N	70	300	1.5	N
BEM5818S	46 32 45	113 20 2	2.0	.5	.50	.30	500	1.0	N	N	150	700	2.0	N

CHAPTER C

LATITUDE 46°30'-47°00' LONGITUDE 113°00'-113°30'

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

SAMPLE	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN
BEM2890S	N	7	70	30	70	N	<20	50	20	N	10	N	N	50	N	100	N
BEM2892S	N	7	150	15	30	N	<20	30	20	N	7	N	N	50	N	30	N
BEM2893S	N	5	15	15	30	N	<20	10	30	N	5	N	N	30	N	20	N
BEM2894S	N	7	30	20	50	N	<20	15	20	N	10	N	<100	50	N	50	N
BEM2895S	N	5	20	15	30	N	<20	10	30	N	5	N	N	30	N	20	N
BEM2896S	N	5	50	7	30	N	<20	10	20	N	5	N	<100	30	N	50	N
BEM2898S	N	5	100	20	30	N	<20	30	30	N	5	N	150	30	N	50	N
BEM2899S	N	<5	50	20	30	N	<20	10	50	N	5	N	N	50	N	20	N
BEM2988S	N	5	20	20	30	N	N	15	30	N	5	N	N	50	N	30	N
BEM2997S	N	10	70	50	50	N	<20	20	20	N	10	N	100	70	N	50	<200
BEM2998S	N	15	70	50	50	N	<20	20	30	N	15	N	150	150	N	50	N
BEM3433S	N	15	100	70	30	N	N	70	20	N	15	N	200	200	N	30	<200
BEM4886S	N	7	100	20	30	N	<20	30	30	N	5	N	200	50	N	20	N
BEM4887S	N	5	50	20	30	N	<20	15	50	N	7	N	<100	70	N	20	N
BEM4888S	N	7	50	15	30	N	<20	20	50	N	5	N	300	50	N	20	N
BEM4889S	N	5	70	30	50	N	<20	15	50	N	7	N	<100	50	N	30	N
BEM4891S	N	7	150	50	50	N	<20	70	50	N	7	N	700	50	N	20	N
BEM4893S	N	10	200	50	50	N	<20	70	30	N	10	N	300	100	N	20	N
BEM4895S	N	10	150	20	30	N	<20	50	30	N	7	N	500	70	N	20	N
BEM4897S	N	10	150	30	30	N	<20	50	50	N	7	N	500	100	N	30	N
BEM4899S	N	7	100	30	30	N	<20	30	30	N	10	N	200	100	N	20	200
BEM4979S	N	7	20	15	30	N	N	30	100	N	7	N	300	30	N	70	N
BEM4995S	N	7	100	50	30	N	<20	30	70	N	7	N	<100	50	N	20	N
BEM4996S	N	N	30	15	20	N	N	7	100	N	<5	N	N	15	N	15	N
BEM4997S	N	<5	50	15	20	N	N	15	100	N	7	N	N	30	N	10	N
BEM4998S	N	7	70	20	30	N	<20	20	150	N	7	N	<100	50	N	20	N
BEM4999S	N	7	50	20	50	N	<20	30	200	N	10	N	100	70	N	30	200
BEM5800S	N	7	20	20	50	N	<20	15	50	N	7	N	N	50	N	30	N
BEM5801S	N	7	30	20	30	N	<20	15	30	N	7	N	<100	70	N	20	N
BEM5804S	N	7	200	20	50	N	<20	30	30	N	7	N	300	50	N	20	N
BEM5805S	N	10	100	30	50	N	<20	30	30	N	7	N	200	100	N	20	N
BEM5806S	N	7	100	50	50	N	<20	30	30	N	10	N	300	100	N	20	N
BEM5807S	N	7	70	20	50	N	<20	30	50	N	5	N	150	70	N	20	N
BEM5808S	N	7	70	20	30	N	<20	30	50	N	5	N	150	50	N	20	N
BEM5809S	N	10	150	30	50	N	<20	30	30	N	10	N	<100	70	N	20	N
BEM5810S	N	10	100	50	50	N	<20	50	30	N	15	N	150	150	N	30	<200
BEM5811S	N	10	100	50	50	N	<20	50	30	N	10	N	300	100	N	20	N
BEM5812S	N	10	70	30	50	N	<20	30	20	N	10	N	100	70	N	50	N
BEM5813S	N	10	100	70	50	N	<20	30	30	N	10	N	150	100	N	30	N
BEM5814S	N	5	50	15	20	N	<20	15	100	N	5	N	<100	30	N	15	N
BEM5814S	N	10	50	30	50	N	<20	10	50	N	10	N	150	150	N	30	N
BEM5815S	N	10	100	30	20	N	<20	20	30	N	5	N	300	200	N	30	N
BEM5816S	N	10	100	50	50	N	<20	30	30	N	10	N	200	100	N	30	N
BEM5817S	N	7	20	20	20	N	N	15	70	N	5	N	<100	30	N	20	N
BEM5818S	N	7	50	15	30	N	<20	10	30	N	7	N	<100	50	N	30	N

LATITUDE 46°30'-47°00' LONGITUDE 113°00'-113°30'

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

SAMPLE	S-ZR	S-TH	AA-CU	AA-PB	AA-ZN	AA-AG	AA-CD	AA-BI	AA-SB
BEM2890S	150	N	21.0	8.0	9.0	.05	.16	N	N
BEM2892S	300	N	6.0	5.0	5.0	<.05	<.05	N	N
BEM2893S	200	N	8.0	6.0	41.0	.05	.07	N	N
BEM2894S	200	N	1.0	1.0	1.7	<.02	<.02	<.5	<1
BEM2895S	300	N	6.0	11.0	17.0	<.05	N	1.0	N
BEM2896S	300	N	3.0	2.0	4.0	<.05	N	N	N
BEM2898S	300	N	12.0	13.0	20.0	.10	.06	N	N
BEM2899S	150	N	28.0	36.0	41.0	.14	.65	2.0	1
BEM2988S	300	N	7.0	14.0	7.0	N	N	N	N
BEM2997S	200	N	3.0	1.0	17.0	.02	.02	<.5	<1
BEM2998S	300	N	2.0	1.8	4.0	<.02	.03	<.5	<1
BEM3433S	150	N	15.0	7.0	9.0	.14	.55	<1.0	N
BEM4886S	150	N	11.0	13.0	20.0	.13	.49	2.0	5
BEM4887S	150	N	20.0	29.0	44.0	.17	.54	2.0	4
BEM4888S	200	N	6.0	13.0	10.0	.11	.32	2.0	4
BEM4889S	200	N	26.0	30.0	47.0	.22	.78	2.0	5
BEM4891S	300	N	20.0	16.0	37.0	.17	.62	2.0	4
BEM4893S	150	N	13.0	10.0	15.0	.15	.60	2.0	3
BEM4895S	200	N	8.0	9.0	17.0	.11	.42	2.0	3
BEM4897S	300	N	10.0	9.0	17.0	.12	.46	2.0	2
BEM4899S	200	N	9.0	16.0	200.0	.13	1.92	1.0	3
BEM4979S	100	N	5.0	45.0	26.0	.07	.30	3.0	5
BEM4995S	200	N	22.0	25.0	55.0	.21	.45	1.0	4
BEM4996S	20	N	4.0	30.0	28.0	.05	.32	1.0	4
BEM4997S	50	N	7.0	145.0	45.0	.09	.51	1.0	3
BEM4998S	100	N	7.0	135.0	13.0	.14	.60	1.0	4
BEM4999S	300	N	5.0	200.0	30.0	.06	.76	1.0	4
BEM5800S	300	N	14.0	17.0	30.0	.12	.63	2.0	1
BEM5801S	200	N	8.0	11.0	15.0	.13	.49	2.0	3
BEM5804S	200	N	11.0	5.0	10.0	.12	.48	2.0	1
BEM5805S	300	N	5.0	6.0	16.0	.11	.45	1.0	<1
BEM5806S	200	N	20.0	9.0	18.0	.18	1.00	3.0	3
BEM5807S	100	N	11.0	16.0	50.0	.17	.75	3.0	6
BEM5808S	100	N	8.0	17.0	18.0	.17	.62	N	5
BEM5809S	150	N	11.0	14.0	26.0	.18	.87	N	3
BEM5810S	200	N	17.0	9.0	17.0	.06	.67	1.0	N
BEM5811S	100	N	20.0	11.0	16.0	.09	.60	2.0	<1
BEM5812S	300	N	22.0	8.0	14.0	<.05	.16	1.0	N
BEM5813S	200	N	31.0	9.0	17.0	.07	.18	2.0	N
BEM5814S	100	N	3.0	30.0	15.0	<.05	.09	2.0	2
BEM5814S	300	N	9.0	12.0	13.0	<.15	.40	2.0	N
BEM5815S	300	N	9.0	13.0	9.0	.09	.13	2.0	3
BEM5816S	300	N	9.0	14.0	85.0	.06	.35	2.0	2
BEM5817S	70	N	8.0	40.0	37.0	.06	.47	4.0	5
BEM5818S	500	N	7.0	6.0	11.0	.07	.18	2.0	4

CHAPTER C

LATITUDE 46°30′-47°00′ LONGITUDE 113°00′-113°30′

TABLE 3. STREAM-SEDIMENT 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	S-BI
BEM5820S	46 32 7	113 23 52	2.0	.7	.50	.30	1,000	N	N	N	200	1,000	2.0	N
BEM5822S	46 32 35	113 22 42	2.0	.5	.30	.30	500	N	N	N	200	1,000	2.0	N
BEM5900S	46 44 49	113 26 30	3.0	1.5	7.00	.30	700	N	N	N	70	1,000	5.0	N
BEM5901S	46 44 51	113 26 33	3.0	1.5	3.00	.50	700	N	N	N	70	1,000	5.0	N
BEM5903S	46 42 18	113 28 37	2.0	7.0	15.00	.30	700	N	N	N	100	1,500	1.5	N
BEM5911S	46 39 5	113 29 14	3.0	1.5	1.00	.30	1,000	N	N	N	200	1,000	7.0	N
BEM5912S	46 39 42	113 28 31	2.0	1.0	1.00	.20	700	N	N	N	150	1,000	10.0	N
BEM5913S	46 39 35	113 29 31	2.0	1.0	.50	.30	700	N	N	N	300	1,000	7.0	N
BEM5914S	46 39 42	113 29 28	5.0	1.5	2.00	.50	1,000	N	N	N	150	1,000	7.0	N
BEM5915S	46 39 59	113 28 42	3.0	1.5	3.00	.50	700	N	N	N	20	1,000	2.0	N
BEM5916S	46 39 57	113 29 0	2.0	1.0	2.00	.30	2,000	N	N	N	100	700	3.0	N
BEM5918S	46 41 7	113 26 38	2.0	1.0	1.50	.30	500	N	N	N	150	700	3.0	N
BEM5919S	46 41 53	113 19 30	3.0	.7	2.00	.50	1,500	N	N	N	100	1,500	2.0	N
BEM5920S	46 41 41	113 17 53	2.0	.5	5.00	.50	700	<.5	N	N	50	1,500	5.0	N
BEM5921S	46 40 49	113 16 41	2.0	.5	1.50	.30	700	N	N	N	100	1,500	3.0	N
BEM5922S	46 40 45	113 17 38	3.0	.7	1.50	.30	300	N	N	N	50	2,000	2.0	N
BEM5923S	46 40 46	113 17 29	2.0	.5	1.50	.30	500	N	N	N	70	1,500	3.0	N
BEM5924S	46 40 6	113 15 14	2.0	.7	1.50	.50	1,000	N	N	N	100	1,500	3.0	N
BEM5925S	46 37 58	113 17 43	2.0	.5	.70	.30	500	N	N	N	150	1,000	3.0	N
BEM5926S	46 38 6	113 18 22	3.0	.7	1.50	.30	700	N	N	N	100	1,500	3.0	N
BEM5929S	46 39 43	113 20 25	3.0	1.0	1.00	.50	1,500	N	N	N	150	1,500	3.0	N
BEM5930S	46 39 42	113 20 30	3.0	.7	.70	.50	700	N	N	N	150	700	3.0	N
BEM5931S	46 38 31	113 20 17	3.0	1.0	1.50	.30	1,500	<.5	N	N	200	700	5.0	N
BEM5932S	46 39 59	113 18 32	3.0	.7	1.50	.30	1,000	N	200	N	50	1,500	3.0	N
BEM5934S	46 36 9	113 20 24	2.0	.5	1.00	.30	700	N	200	N	150	1,500	7.0	N
BEM5937S	46 42 1	113 15 18	3.0	.7	3.00	.50	1,000	N	200	N	200	700	3.0	N
BEM5941S	46 32 29	113 25 37	1.5	.5	.30	.30	700	N	N	N	200	700	3.0	N
BEM5943S	46 32 29	113 25 37	3.0	.7	.50	.30	1,000	N	N	N	200	1,500	5.0	N
BEM5945S	46 32 24	113 25 40	1.5	.5	1.00	.20	1,500	N	N	N	200	1,500	7.0	N
BEM5947S	46 32 41	113 24 52	2.0	.7	.30	.30	1,000	N	N	N	200	1,000	3.0	N
BEM5948S	46 30 59	113 18 19	3.0	.5	.70	.50	500	N	N	N	200	1,000	2.0	N
BEM5949S	46 31 20	113 18 49	3.0	1.5	5.00	.50	1,500	N	N	N	10	1,500	3.0	N
BEM5950S	46 31 50	113 19 17	3.0	.5	.70	.50	1,000	N	N	N	70	700	3.0	N
BEM5951S	46 31 11	113 20 22	1.5	.3	.30	.20	300	1.0	N	N	100	700	3.0	N
BEM5953S	46 31 16	113 21 6	1.5	.5	.30	.30	700	5.0	N	N	150	700	2.0	N
BEM5955S	46 30 26	113 22 51	1.5	.5	.30	.30	1,500	<.5	N	N	150	1,000	3.0	N
BEM5957S	46 31 40	113 20 55	1.0	.5	.15	.20	500	N	N	N	70	500	1.5	N
BEM5958S	46 33 50	113 20 49	3.0	.7	.70	.50	500	N	N	N	200	700	3.0	N
BEM5960S	46 33 45	113 22 50	2.0	.5	.50	.30	700	N	N	N	70	1,000	3.0	N
BEM5962S	46 34 58	113 25 53	1.5	.3	.50	.30	700	N	N	N	100	1,000	3.0	N
BEM5963S	46 36 0	113 25 5	3.0	.5	.30	.30	700	N	N	N	150	1,000	3.0	N
BEM5965S	46 34 40	113 23 46	1.5	.3	.30	.30	700	N	N	N	200	1,000	2.0	N
BEM5966S	46 34 30	113 21 28	1.5	.3	.30	.30	300	N	N	N	100	500	2.0	N
BEM5967S	46 34 55	113 22 4	2.0	.3	1.00	.30	700	N	N	N	50	500	3.0	N
BEM5968S	46 35 53	113 22 15	1.5	.5	.30	.30	300	N	N	N	50	1,000	3.0	N

CHAPTER C

LATITUDE 46°30′-47°00′ LONGITUDE 113°00′-113°30′

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

SAMPLE	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN
BEM5820S	N	5	50	10	30	N	<20	10	30	N	<5	N	<100	30	N	20	N
BEM5822S	N	5	70	15	30	N	<20	15	30	N	7	N	<100	50	N	30	N
BEM5900S	N	10	200	20	50	N	<20	70	70	N	10	N	500	50	N	50	N
BEM5901S	N	15	500	20	50	N	<20	70	70	N	15	N	1,000	70	N	50	N
BEM5903S	N	7	100	20	30	N	<20	30	100	N	7	N	<100	50	N	20	N
BEM5911S	N	7	100	30	50	N	<20	50	30	N	10	N	<100	70	N	70	N
BEM5912S	N	7	100	30	50	N	<20	50	20	N	7	N	<100	50	N	50	N
BEM5913S	N	7	50	30	50	N	<20	20	30	N	7	N	N	50	N	70	N
BEM5914S	N	20	300	50	50	N	<20	70	30	N	15	N	N	70	N	70	N
BEM5915S	N	20	300	30	30	N	<20	70	30	N	10	N	N	70	N	15	N
BEM5916S	N	7	50	20	30	N	<20	20	50	N	7	N	N	50	N	15	500
BEM5918S	N	7	100	15	30	N	<20	30	30	N	7	N	N	50	N	20	N
BEM5919S	N	20	100	30	50	N	<20	70	30	N	7	N	N	70	N	20	N
BEM5920S	N	10	100	30	50	N	<20	50	50	N	10	N	100	100	N	30	N
BEM5921S	N	10	70	20	70	N	<20	30	30	N	7	N	300	50	N	20	N
BEM5922S	N	10	150	30	50	N	<20	50	30	N	7	N	700	70	N	20	N
BEM5923S	N	10	70	30	30	N	<20	30	30	N	7	N	500	50	N	20	N
BEM5924S	N	10	100	30	70	N	<20	50	30	N	7	N	300	50	N	30	N
BEM5925S	N	7	20	15	30	N	<20	15	30	N	5	N	100	50	N	30	N
BEM5926S	N	7	20	20	50	N	<20	15	30	N	10	N	200	70	N	30	N
BEM5929S	N	10	100	15	70	N	<20	20	30	N	5	N	300	70	N	30	N
BEM5930S	N	7	30	20	50	N	<20	15	30	N	7	N	N	70	N	30	N
BEM5931S	N	7	70	30	50	N	<20	30	70	N	7	N	<100	50	N	30	N
BEM5932S	N	10	100	20	50	N	<20	50	50	N	5	N	1,000	50	N	20	N
BEM5934S	N	5	50	20	30	N	<20	7	30	N	7	N	<100	50	N	30	N
BEM5937S	N	7	100	30	50	N	<20	30	30	N	10	N	<100	100	N	30	N
BEM5941S	N	7	30	15	30	N	<20	15	30	N	5	N	N	30	N	30	N
BEM5943S	N	7	100	20	30	N	<20	50	30	N	7	N	<100	50	N	30	N
BEM5945S	N	7	50	20	30	N	<20	30	30	N	10	N	<100	50	N	70	N
BEM5947S	N	7	30	15	30	N	<20	20	30	N	7	N	N	50	N	30	N
BEM5948S	N	10	70	50	30	N	<20	20	30	N	7	N	100	100	N	20	N
BEM5949S	N	20	100	20	50	N	50	70	10	N	15	N	500	100	N	20	N
BEM5950S	N	7	15	30	20	N	<20	20	30	N	7	N	100	100	N	20	N
BEM5951S	N	5	30	20	30	N	<20	15	30	N	5	N	<100	30	N	30	N
BEM5953S	N	7	15	15	20	N	<20	15	30	N	7	N	<100	30	N	30	N
BEM5955S	N	7	30	20	20	N	<20	15	50	N	7	N	<100	30	N	30	N
BEM5957S	N	5	15	7	20	N	<20	7	20	N	5	N	N	30	N	20	N
BEM5958S	N	7	50	15	20	N	<20	15	30	N	7	N	<100	50	N	30	N
BEM5960S	N	7	50	20	20	N	<20	20	20	N	7	N	<100	30	N	50	N
BEM5962S	N	7	50	20	20	N	<20	20	20	N	7	N	N	50	N	50	N
BEM5963S	N	7	50	30	20	N	<20	20	20	N	7	N	N	50	N	30	N
BEM5965S	N	7	10	10	20	N	<20	15	20	N	5	N	N	30	N	20	N
BEM5966S	N	7	20	15	20	N	<20	7	30	N	5	N	N	30	N	20	N
BEM5967S	N	7	15	20	20	N	<20	5	30	N	7	N	N	50	N	20	N
BEM5968S	N	7	20	15	20	N	<20	15	30	N	5	N	N	30	N	30	N

CHAPTER C

LATITUDE 46°30'-47°00' LONGITUDE 113°00'-113°30'

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

SAMPLE	S-ZR	S-TH	AA-CU	AA-PB	AA-ZN	AA-AG	AA-CD	AA-BI	AA-SB
BEM5820S	300	N	3.0	5.0	9.0	.08	.18	2.0	3
BEM5822S	500	N	3.0	5.0	10.0	.05	.18	2.0	4
BEM5900S	200	N	10.0	32.0	20.0	.12	.40	1.0	3
BEM5901S	300	N	13.0	28.0	18.0	.15	.40	<1.0	2
BEM5903S	200	N	13.0	110.0	33.0	.09	.43	2.0	5
BEM5911S	200	N	18.0	8.0	14.0	.05	.30	N	N
BEM5912S	150	N	24.0	7.0	12.0	.08	.27	N	N
BEM5913S	300	N	24.0	9.0	8.0	<.05	.26	N	N
BEM5914S	200	N	24.0	8.0	17.0	.09	.35	N	N
BEM5915S	200	N	12.0	9.0	26.0	<.05	.30	N	N
BEM5916S	150	N	10.0	17.0	90.0	.09	.64	2.0	1
BEM5918S	300	N	8.0	4.0	12.0	<.05	.08	<1.0	N
BEM5919S	300	N	22.0	17.0	31.0	.08	.68	2.0	3
BEM5920S	300	N	27.0	19.0	43.0	.10	.62	2.0	4
BEM5921S	200	N	12.0	10.0	24.0	.05	.22	1.0	3
BEM5922S	200	N	22.0	12.0	35.0	.10	.39	1.0	1
BEM5923S	300	N	21.0	14.0	38.0	.07	.36	<1.0	2
BEM5924S	300	N	16.0	9.0	50.0	.06	.29	<1.0	2
BEM5925S	300	N	7.0	6.0	9.0	.05	.15	N	<1
BEM5926S	300	N	9.0	9.0	13.0	.05	.27	1.0	2
BEM5929S	300	N	6.0	6.0	10.0	<.05	.12	<1.0	2
BEM5930S	300	N	9.0	6.0	11.0	<.05	.14	N	2
BEM5931S	300	N	18.0	38.0	43.0	.09	.42	1.0	2
BEM5932S	300	N	10.0	11.0	20.0	.06	.25	1.0	3
BEM5934S	200	N	17.0	11.0	48.0	.10	.45	<1.0	3
BEM5937S	300	N	16.0	14.0	28.0	.10	.45	1.0	3
BEM5941S	300	N	9.0	4.0	9.0	<.05	.23	N	1
BEM5943S	300	N	8.0	5.0	8.0	.05	.18	2.0	4
BEM5945S	200	N	--	--	--	--	--	--	--
BEM5947S	300	N	4.0	8.0	10.0	<.05	.08	N	N
BEM5948S	300	N	25.0	13.0	23.0	.10	.26	N	2
BEM5949S	300	N	7.0	4.0	6.0	N	.37	N	2
BEM5950S	200	N	11.0	10.0	17.0	.05	.20	N	1
BEM5951S	300	N	17.0	10.0	21.0	.37	.26	N	1
BEM5953S	300	N	12.0	10.0	26.0	.14	.33	N	2
BEM5955S	300	N	18.0	22.0	28.0	.26	.35	N	5
BEM5957S	300	N	5.0	7.0	8.0	.08	.16	N	2
BEM5958S	300	N	8.0	7.0	8.0	N	.38	N	2
BEM5960S	300	N	14.0	6.0	15.0	.05	.19	N	1
BEM5962S	300	N	20.0	6.0	15.0	.05	.24	N	1
BEM5963S	300	N	22.0	5.0	17.0	.06	.23	N	1
BEM5965S	300	N	7.0	4.0	13.0	<.05	.20	N	1
BEM5966S	300	N	5.0	4.0	10.0	<.05	.20	N	N
BEM5967S	300	N	8.0	5.0	9.0	<.05	.19	N	1
BEM5968S	300	N	4.0	4.0	6.0	<.05	.18	N	N

CHAPTER C

LATITUDE 46°30′-47°00′ LONGITUDE 113°00′-113°30′

TABLE 3. STREAM-SEDIMENT 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	S-BI
BEM5969S	46 35 58	113 22 8	1.5	.5	.30	.20	300	N	N	N	100	500	3.0	N
BEM5970S	46 36 11	113 21 18	2.0	.3	.70	.30	500	N	N	N	50	700	3.0	N
BEM7896S	46 33 22	113 29 12	1.5	.5	.50	.15	1,500	N	N	N	100	1,500	5.0	N
BEM7898S	46 33 16	113 29 6	3.0	.7	.50	.50	700	N	N	N	100	1,000	2.0	N
BEM8800S	46 33 43	113 28 35	1.5	.5	.50	.20	700	N	N	N	150	1,000	7.0	N
BEM8802S	46 33 50	113 28 48	2.0	.7	.50	.20	1,000	N	N	N	150	1,500	7.0	N
BEM8804S	46 34 17	113 28 12	2.0	.7	.30	.20	700	N	N	N	150	1,500	5.0	N
BEM8806S	46 34 15	113 27 30	2.0	.7	.50	.15	1,000	N	N	N	150	1,500	5.0	N
BR07986S	46 52 31	113 5 39	5.0	1.5	2.00	.50	2,000	N	N	N	10	2,000	1.5	N
BR08829S	46 59 9	113 6 4	1.5	1.5	7.00	.20	700	N	N	N	70	500	1.5	N
BR08831S	46 58 45	113 5 56	1.0	.5	.70	.15	150	N	N	N	70	300	2.0	N
BR08833S	46 58 43	113 5 24	1.5	.7	3.00	.20	500	N	N	N	70	300	1.5	N
BR08835S	46 58 49	113 4 51	1.5	.7	1.50	.30	500	N	N	N	70	500	1.5	N
BR08837S	46 55 8	113 1 42	2.0	.7	.50	.20	700	N	N	N	70	300	2.0	N
BR08838S	46 55 8	113 1 27	2.0	1.5	1.00	.30	500	N	N	N	70	300	2.0	N
BR08839S	46 56 20	113 7 28	1.5	.7	.70	.20	700	N	N	N	70	500	1.5	N
BR08841S	46 55 40	113 6 48	3.0	1.0	1.50	.20	500	N	N	N	30	300	1.5	N
BR08843S	46 55 41	113 6 37	3.0	1.0	.70	>1.00	500	N	N	N	70	500	1.5	N
BR08845S	46 53 49	113 4 5	3.0	1.5	.70	.30	300	N	N	N	100	700	2.0	N
BR08846S	46 53 29	113 5 54	3.0	.7	1.50	.50	1,000	N	N	N	50	1,500	2.0	N
BR08848S	46 54 5	113 6 39	3.0	1.5	.70	.50	700	N	N	N	30	1,000	<1.0	N
BR08850S	46 53 26	113 6 52	1.5	1.0	1.00	.20	500	N	N	N	50	700	1.5	N
BR08852S	46 52 51	113 7 15	5.0	2.0	2.00	.70	1,000	N	N	N	10	2,000	1.0	N
BR08854S	46 53 13	113 2 46	3.0	1.5	1.50	.30	500	N	N	N	100	1,000	2.0	N
BR08855S	46 52 40	113 2 43	5.0	2.0	1.50	.50	1,000	N	N	N	70	1,500	1.5	N
CHL7949S	46 48 26	113 3 38	5.0	1.5	3.00	.50	1,500	N	N	N	20	1,500	2.0	N
CHL7951S	46 48 48	113 5 49	7.0	2.0	2.00	.70	>5,000	N	N	N	30	2,000	1.5	N
CHL7979S	46 52 27	113 1 43	3.0	2.0	2.00	.50	1,000	N	N	N	70	1,000	2.0	N
CHL7980S	46 51 48	113 0 58	5.0	2.0	3.00	.50	2,000	N	N	N	150	700	2.0	N
CHL7982S	46 49 42	113 4 47	5.0	2.0	2.00	.70	1,500	N	N	N	N	3,000	1.0	N
CHL7983S	46 49 38	113 5 4	5.0	1.5	2.00	.70	2,000	N	N	N	10	2,000	1.5	N
CHL7984S	46 50 45	113 5 0	5.0	3.0	3.00	.70	2,000	N	N	N	15	2,000	1.0	N
CHL7987S	46 51 3	113 6 52	5.0	2.0	3.00	.50	1,000	N	N	N	<10	2,000	1.5	N
CHL7989S	46 51 27	113 4 33	5.0	3.0	3.00	.70	1,500	N	N	N	10	2,000	1.5	N
CHL7990S	46 51 47	113 4 17	3.0	1.5	1.00	.50	2,000	N	N	N	50	1,500	2.0	N
CHL7992S	46 52 3	113 3 52	5.0	2.0	1.00	.70	1,500	N	N	N	70	2,000	2.0	N
CHL7993S	46 50 37	113 0 57	1.5	1.5	10.00	.15	500	N	N	N	50	150	2.0	N
CHL7994S	46 49 35	113 0 41	5.0	2.0	3.00	.70	1,500	N	N	N	50	2,000	2.0	N
CHL7996S	46 49 35	113 1 31	7.0	2.0	3.00	1.00	2,000	N	N	N	20	2,000	1.0	N
CHL8808S	46 49 23	113 2 13	5.0	1.5	3.00	.50	1,000	N	N	N	N	2,000	1.0	N
CHL8809S	46 49 4	113 2 27	7.0	2.0	3.00	.50	1,000	N	N	N	10	1,500	1.5	N
CHL8811S	46 49 0	113 3 0	7.0	1.5	3.00	.50	1,000	N	N	N	10	2,000	1.0	N
CHL8813S	46 48 18	113 2 28	5.0	1.0	1.50	.30	1,500	N	N	N	N	2,000	1.5	N
CHL8815S	46 47 35	113 5 50	3.0	.7	1.00	.30	500	N	N	N	30	700	5.0	N
CHL8816S	46 46 51	113 4 51	3.0	.7	1.50	.50	700	N	N	N	10	1,500	2.0	N

CHAPTER C

LATITUDE 46°30'-47°00' LONGITUDE 113°00'-113°30'

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

SAMPLE	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN
BEM5969S	N	7	20	10	30	N	<20	15	20	N	5	N	<100	50	N	30	N
BEM5970S	N	7	15	20	20	N	<20	10	20	N	7	N	200	30	N	20	N
BEM7896S	N	7	70	15	20	N	<20	30	30	N	7	N	100	50	N	50	N
BEM7898S	N	10	50	20	30	N	<20	20	30	N	7	N	100	70	N	30	N
BEM8800S	N	7	50	15	20	N	<20	20	20	N	7	N	<100	50	N	50	N
BEM8802S	N	7	70	20	30	N	<20	30	30	N	10	N	<100	70	N	70	N
BEM8804S	N	7	70	20	20	N	<20	30	30	N	10	N	N	50	N	50	N
BEM8806S	N	7	50	20	30	N	N	20	20	N	7	N	N	50	N	100	N
BR07986S	N	15	150	50	70	N	<20	100	30	N	10	N	1,000	100	N	20	N
BR08829S	N	5	30	30	20	N	N	10	20	N	5	N	100	30	N	15	N
BR08831S	N	5	30	30	30	N	N	7	20	N	5	N	<100	30	N	20	N
BR08833S	N	7	30	30	30	N	N	10	30	N	5	N	<100	50	N	30	N
BR08835S	N	7	30	30	30	N	<20	10	30	N	5	N	<100	50	N	30	N
BR08837S	N	7	20	30	30	N	N	15	30	N	7	N	100	70	N	20	N
BR08838S	N	7	50	30	50	N	<20	20	30	N	10	N	100	70	N	30	N
BR08839S	N	5	20	20	30	N	N	10	20	N	7	N	150	70	N	15	N
BR08841S	N	7	30	20	30	N	N	15	30	N	10	N	500	70	N	30	N
BR08843S	N	7	30	15	70	N	<20	10	20	N	7	N	150	100	N	30	N
BR08845S	N	10	50	30	50	N	<20	20	30	N	7	N	200	70	N	30	N
BR08846S	N	10	70	30	70	N	N	50	30	N	7	N	700	70	N	20	N
BR08848S	N	10	100	30	70	N	N	30	30	N	7	N	300	70	N	30	N
BR08850S	N	7	70	30	20	N	N	20	30	N	5	N	300	50	N	20	N
BR08852S	N	15	200	30	50	N	N	100	30	N	10	N	1,000	70	N	20	N
BR08854S	N	10	70	30	30	N	<20	30	30	N	7	N	300	70	N	20	N
BR08855S	N	10	150	20	50	N	<20	70	20	N	10	N	700	70	N	20	N
CHL7949S	N	10	100	30	70	N	<20	70	30	N	10	N	500	100	N	30	N
CHL7951S	N	20	150	50	100	N	<20	100	30	N	10	N	700	100	N	20	N
CHL7979S	N	7	70	30	50	N	N	30	30	N	10	N	300	70	N	20	N
CHL7980S	N	10	70	50	50	N	N	50	50	N	10	N	300	100	N	30	N
CHL7982S	N	15	200	30	70	N	<20	100	30	N	10	N	2,000	150	N	20	N
CHL7983S	N	15	150	50	70	N	<20	100	30	N	7	N	1,500	150	N	15	N
CHL7984S	N	15	500	30	100	N	<20	100	30	N	15	N	1,500	150	N	20	N
CHL7987S	N	15	150	30	70	N	<20	100	30	N	10	N	1,500	100	N	15	N
CHL7989S	N	15	200	30	70	N	<20	100	30	N	15	N	2,000	150	N	20	N
CHL7990S	N	10	100	30	70	N	<20	70	30	N	7	N	500	100	N	20	N
CHL7992S	N	15	150	30	70	N	<20	100	30	N	10	N	300	150	N	30	N
CHL7993S	N	<5	20	20	30	N	N	5	10	N	5	N	1,000	30	N	10	N
CHL7994S	N	15	150	30	150	N	<20	100	30	N	15	N	700	150	N	20	N
CHL7996S	N	15	150	30	50	N	N	50	30	N	7	N	1,000	200	N	20	N
CHL8808S	N	15	150	30	70	N	N	70	30	N	10	N	1,000	100	N	15	N
CHL8809S	N	20	150	30	100	N	<20	100	30	N	10	N	1,000	100	N	20	N
CHL8811S	N	15	150	30	100	N	N	70	30	N	10	N	1,000	100	N	15	N
CHL8813S	N	15	100	30	70	N	<20	70	30	N	10	N	1,000	100	N	15	N
CHL8815S	N	10	30	30	30	N	<20	20	30	N	10	N	300	70	N	30	N
CHL8816S	N	10	100	30	70	N	<20	70	30	N	10	N	700	100	N	20	N

LATITUDE 46°30′-47°00′ LONGITUDE 113°00′-113°30′

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

SAMPLE	S-ZR	S-TH	AA-CU	AA-PB	AA-ZN	AA-AG	AA-CD	AA-BI	AA-SB
BEM5969S	300	N	4.0	4.0	6.0	N	.31	N	2
BEM5970S	300	N	12.0	5.0	18.0	<.05	.29	N	N
BEM7896S	200	N	8.0	13.0	14.0	.09	.35	<1.0	<1
BEM7898S	300	N	6.0	6.0	6.0	<.05	.10	<1.0	<1
BEM8800S	150	N	8.0	7.0	7.0	<.05	.25	<1.0	<1
BEM8802S	300	N	6.0	9.0	11.0	.05	.15	<1.0	<1
BEM8804S	200	N	6.0	8.0	10.0	<.05	.20	<1.0	<1
BEM8806S	300	N	9.0	7.0	10.0	<.05	.25	<1.0	<1
BR07986S	300	N	12.0	10.0	47.0	.14	.28	<1.0	<1
BR08829S	150	N	19.0	9.0	14.0	.05	.20	<1.0	<1
BR08831S	100	N	44.0	16.0	28.0	.11	.40	<1.0	<1
BR08833S	150	N	26.0	14.0	28.0	.06	.30	<1.0	<1
BR08835S	200	N	17.0	9.0	24.0	.05	.25	<1.0	<1
BR08837S	150	N	18.0	13.0	16.0	.09	.20	<1.0	<1
BR08838S	200	N	19.0	12.0	13.0	.08	.25	<1.0	<1
BR08839S	150	N	5.0	4.0	6.0	<.05	.05	<1.0	<1
BR08841S	200	N	4.0	3.0	6.0	<.05	.05	<1.0	<1
BR08843S	300	N	2.0	3.0	5.0	<.05	.05	<1.0	<1
BR08845S	200	N	14.0	13.0	15.0	.08	.20	<1.0	<1
BR08846S	200	N	10.0	16.0	33.0	<.05	.50	1.0	1
BR08848S	150	N	11.0	11.0	29.0	<.05	.15	1.0	1
BR08850S	200	N	7.0	3.0	5.0	<.05	.10	1.0	<1
BR08852S	150	N	8.0	8.0	19.0	<.05	.20	1.0	1
BR08854S	150	N	12.0	14.0	68.0	<.05	.45	1.0	1
BR08855S	500	N	5.0	5.0	11.0	<.05	.15	1.0	<1
CHL7949S	200	N	24.0	14.0	16.0	.10	<.05	4.0	<1
CHL7951S	200	N	15.0	5.0	9.0	.10	<.05	<1.0	<1
CHL7979S	200	N	16.0	11.0	16.0	.13	.24	<1.0	<1
CHL7980S	300	N	18.0	17.0	43.0	.15	.56	<1.0	1
CHL7982S	300	N	6.0	6.0	13.0	.05	.16	<1.0	<1
CHL7983S	300	N	8.0	6.0	22.0	<.05	.36	<1.0	2
CHL7984S	300	N	8.0	4.0	22.0	.08	.35	<1.0	2
CHL7987S	200	N	7.0	6.0	21.0	.06	.19	<1.0	<1
CHL7989S	200	N	8.0	7.0	29.0	<.05	.24	<1.0	1
CHL7990S	300	N	9.0	9.0	20.0	.07	.32	<1.0	1
CHL7992S	300	N	14.0	7.0	18.0	.12	.28	<1.0	2
CHL7993S	70	N	8.0	2.0	22.0	.11	.25	<1.0	2
CHL7994S	300	N	5.0	8.0	25.0	.10	.32	<1.0	2
CHL7996S	>1,000	N	14.0	5.0	24.0	.05	.28	<1.0	2
CHL8808S	100	N	11.0	9.0	20.0	<.05	.15	<1.0	<1
CHL8809S	150	N	11.0	9.0	18.0	<.05	.15	<1.0	<1
CHL8811S	150	N	10.0	9.0	25.0	<.05	.15	<1.0	1
CHL8813S	150	N	19.0	12.0	39.0	<.05	.20	<1.0	<1
CHL8815S	200	N	11.0	6.0	24.0	<.05	.10	<1.0	<1
CHL8816S	200	N	16.0	9.0	24.0	<.05	.25	<1.0	<1

CHAPTER C

LATITUDE 46°30′-47°00′ LONGITUDE 113°00′-113°30′

TABLE 3. STREAM-SEDIMENT 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	S-BI
CHL8817S	46 47 17	113 4 53	3.0	1.0	2.00	.50	1,500	N	N	N	20	1,000	3.0	N
CHL8818S	46 45 22	113 1 20	2.0	.7	.30	.30	300	N	N	N	100	700	2.0	N
CHL8819S	46 45 46	113 1 12	3.0	1.0	1.50	.50	1,000	N	N	N	10	2,000	1.0	N
CHL8821S	46 46 15	113 1 55	5.0	1.5	2.00	.70	500	N	N	N	<10	5,000	1.0	N
CHL8823S	46 46 26	113 2 10	5.0	1.0	1.50	.50	1,000	N	N	N	10	1,500	1.5	N
CHL8825S	46 46 51	113 4 6	3.0	.7	1.50	.50	1,000	N	N	N	10	1,500	1.5	N
CHL8827S	46 46 0	113 4 55	3.0	1.0	2.00	.50	1,000	N	N	N	30	1,500	3.0	N
CHL8828S	46 46 2	113 5 0	3.0	1.0	3.00	.50	1,000	N	N	N	30	500	1.5	N
DRU1580S	46 33 50	113 14 33	3.0	.5	1.00	.30	1,000	N	N	N	50	300	1.0	N
DRU1582S	46 31 28	113 11 26	3.0	.5	1.50	.30	700	N	N	N	20	300	1.0	N
DRU1584S	46 30 44	113 10 40	1.5	.7	2.00	.30	500	N	N	N	70	200	1.0	N
DRU1587S	46 31 28	113 10 19	2.0	1.0	1.50	.30	300	N	N	N	70	300	<1.0	N
DRU1590S	46 32 29	113 14 5	2.0	.7	2.00	.30	1,000	<.5	N	N	100	500	1.0	N
DRU1592S	46 31 27	113 12 43	2.0	.3	.70	.30	700	N	N	N	50	300	1.0	N
DRU1595S	46 34 8	113 11 28	2.0	.3	.70	.30	1,000	N	N	N	70	500	1.0	N
DRU1597S	46 36 45	113 4 32	1.5	.3	.30	.20	300	N	N	N	70	300	2.0	N
DRU1599S	46 36 19	113 2 49	1.5	.7	.70	.30	300	N	N	N	70	500	2.0	N
DRU2401S	46 36 31	113 4 23	1.5	.3	.70	.30	300	N	N	N	70	300	3.0	N
DRU2403S	46 36 0	113 3 22	2.0	.5	1.00	.30	700	N	N	N	50	300	2.0	N
DRU2409S	46 37 1	113 14 43	1.5	.3	.50	.20	300	N	N	N	70	200	1.5	N
DRU2415S	46 38 44	113 12 3	1.5	.3	1.50	.20	300	N	N	N	70	700	1.0	N
DRU2416S	46 38 57	113 12 38	1.5	.3	1.50	.20	1,000	N	N	N	50	300	1.5	N
DRU2417S	46 39 50	113 11 37	1.5	.3	1.50	.30	300	N	N	N	50	200	1.5	N
DRU2418S	46 39 44	113 11 41	1.5	.5	1.50	.30	300	N	N	N	50	300	1.0	N
DRU2419S	46 41 7	113 12 17	1.5	.3	.50	.30	200	N	N	N	50	300	1.0	N
DRU2420S	46 41 13	113 12 37	2.0	1.0	2.00	.30	300	N	N	N	70	500	1.0	N
DRU2421S	46 40 38	113 14 0	1.5	.5	1.00	.20	300	N	N	N	20	500	2.0	N
DRU2422S	46 39 21	113 13 48	1.5	.3	.70	.20	300	N	N	N	30	500	1.5	N
DRU2423S	46 37 19	113 13 51	2.0	.5	.50	.30	500	N	N	N	100	500	1.5	N
DRU2424S	46 37 30	113 7 11	1.5	.5	1.50	.20	300	N	N	N	50	300	1.5	N
DRU2426S	46 36 29	113 8 32	1.5	.7	.70	.30	500	N	N	N	70	200	1.5	N
DRU2428S	46 35 38	113 6 48	1.5	.3	.50	.20	300	N	N	N	70	300	1.0	N
DRU2429S	46 35 27	113 6 4	1.5	.5	.70	.20	300	N	N	N	70	200	1.5	N
DRU2430S	46 34 34	113 6 3	1.5	.5	.50	.20	500	N	N	N	50	200	1.5	N
DRU2431S	46 33 25	113 6 4	1.5	.3	.20	.20	700	N	N	N	70	200	1.5	N
DRU2434S	46 34 46	113 8 55	2.0	1.0	1.50	.20	300	N	N	N	50	200	<1.0	N
DRU2435S	46 34 59	113 8 43	1.5	.3	1.50	.20	300	N	N	N	70	300	1.5	N
DRU2437S	46 35 9	113 8 44	2.0	.5	.70	.20	500	N	N	N	70	300	1.5	N
DRU2439S	46 33 17	113 7 49	1.5	.5	.70	.20	300	N	N	N	70	200	1.5	N
DRU2441S	46 33 6	113 7 50	2.0	.7	1.00	.30	300	N	N	N	100	500	1.5	N
DRU2442S	46 32 22	113 7 57	1.0	.3	.30	.20	300	N	N	N	70	200	1.5	N
DRU2444S	46 32 39	113 8 40	1.5	.7	.70	.20	300	N	N	N	100	300	1.5	N
DRU2446S	46 31 34	113 7 58	2.0	.3	.70	.30	500	N	N	N	100	300	1.5	N
DRU2448S	46 31 38	113 7 29	1.5	.7	.70	.20	300	N	N	N	70	300	1.5	N
DRU2454S	46 30 4	113 6 0	3.0	1.0	.70	.20	2,000	<.5	N	N	20	300	1.5	100

CHAPTER C

LATITUDE 46°30′-47°00′ LONGITUDE 113°00′-113°30′

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

SAMPLE	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN
CHL8817S	N	15	100	30	70	N	<20	70	30	N	10	N	500	100	N	30	N
CHL8818S	N	7	50	10	20	N	N	15	20	N	7	N	100	50	N	30	N
CHL8819S	N	15	150	30	70	N	N	70	20	N	10	N	1,000	70	N	20	N
CHL8821S	N	10	150	30	70	N	<20	70	30	N	7	N	1,000	100	N	10	N
CHL8823S	N	10	70	30	70	N	<20	70	20	N	7	N	1,000	70	N	15	N
CHL8825S	N	15	100	30	70	N	<20	70	30	N	7	N	700	70	N	20	N
CHL8827S	N	10	50	30	50	N	<20	30	15	N	10	N	500	70	N	30	N
CHL8828S	N	7	15	30	30	N	<20	5	10	N	10	N	500	70	N	20	N
DRU1580S	N	7	15	15	20	N	N	15	20	N	7	N	150	70	N	20	N
DRU1582S	N	7	<10	15	20	N	N	<5	20	N	10	N	100	30	N	30	N
DRU1584S	N	7	30	20	30	N	<20	15	20	N	7	N	<100	70	N	20	N
DRU1587S	N	10	50	20	20	N	<20	30	30	N	7	N	N	100	N	20	N
DRU1590S	N	7	15	15	30	N	N	10	30	N	7	N	150	50	N	20	N
DRU1592S	N	7	10	15	30	N	N	10	20	N	7	50	<100	70	N	20	N
DRU1595S	N	10	50	20	20	N	<20	20	30	N	7	N	100	70	N	20	N
DRU1597S	N	7	20	20	20	N	<20	10	30	N	7	N	N	50	N	20	N
DRU1599S	N	7	100	20	30	N	<20	20	30	N	7	N	N	70	N	20	N
DRU2401S	N	7	30	20	30	N	<20	10	30	N	7	N	<100	50	N	30	N
DRU2403S	N	10	15	20	30	N	<20	5	20	N	10	N	200	50	N	20	N
DRU2409S	N	7	15	15	30	N	N	15	30	N	5	N	N	30	N	15	N
DRU2415S	N	7	10	10	20	N	N	5	20	N	7	N	200	50	N	20	N
DRU2416S	N	7	15	15	20	N	N	10	20	N	7	N	300	50	N	20	N
DRU2417S	N	7	20	20	30	N	<20	15	20	N	7	N	150	50	N	15	N
DRU2418S	N	7	15	20	20	N	N	10	20	N	7	N	200	50	N	20	N
DRU2419S	N	7	15	15	20	N	N	7	30	N	5	N	150	30	N	15	N
DRU2420S	N	10	70	20	30	N	<20	30	30	N	7	N	300	50	N	20	N
DRU2421S	N	7	30	15	30	N	N	20	30	N	5	N	300	30	N	15	N
DRU2422S	N	7	50	15	30	N	N	15	20	N	5	N	300	30	N	20	N
DRU2423S	N	7	50	20	20	N	N	15	30	N	7	N	<100	50	N	20	N
DRU2424S	N	7	10	20	20	N	N	5	20	N	7	N	200	50	N	20	N
DRU2426S	N	7	<10	20	30	N	N	7	30	N	7	N	100	50	N	30	N
DRU2428S	N	7	50	15	20	N	<20	7	20	N	5	N	100	30	N	20	N
DRU2429S	N	7	20	20	20	N	N	10	30	N	7	N	<100	70	N	30	N
DRU2430S	N	7	20	20	<20	N	N	20	30	N	5	N	N	50	N	15	N
DRU2431S	N	7	50	20	20	N	N	15	30	N	5	N	N	70	N	20	N
DRU2434S	N	7	100	20	20	N	N	20	20	N	7	N	<100	70	N	20	N
DRU2435S	N	7	20	20	20	N	N	15	30	N	5	N	200	50	N	20	N
DRU2437S	N	10	10	20	70	N	N	15	30	N	5	N	150	70	N	20	N
DRU2439S	N	7	30	15	20	N	N	20	20	N	7	N	100	70	N	15	N
DRU2441S	N	10	100	20	20	N	N	30	30	N	7	N	100	100	N	30	N
DRU2442S	N	7	30	20	20	N	N	20	30	N	7	N	100	70	N	20	N
DRU2444S	N	7	15	20	20	N	N	20	30	N	7	N	100	100	N	20	N
DRU2446S	N	10	50	20	20	N	N	30	30	N	7	N	N	100	N	20	N
DRU2448S	N	7	100	15	20	N	N	30	20	N	7	N	100	70	N	20	N
DRU2454S	20	50	20	700	20	N	N	100	200	N	7	20	100	100	N	30	10,000

CHAPTER C

LATITUDE 46°30'-47°00' LONGITUDE 113°00'-113°30'

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

SAMPLE	S-ZR	S-TH	AA-CU	AA-PB	AA-ZN	AA-AG	AA-CD	AA-BI	AA-SB
CHL8817S	200	N	14.0	10.0	15.0	<.05	.30	<1.0	<1
CHL8818S	150	N	2.0	4.0	8.0	<.05	.10	<1.0	<1
CHL8819S	150	N	9.0	8.0	15.0	<.05	.15	<1.0	<1
CHL8821S	200	N	7.0	6.0	22.0	<.05	.15	<1.0	<1
CHL8823S	150	N	9.0	9.0	16.0	.08	.25	<1.0	<1
CHL8825S	200	N	11.0	11.0	14.0	.06	.25	<1.0	<1
CHL8827S	150	N	14.0	9.0	4.0	<.05	.20	<1.0	<1
CHL8828S	200	N	13.0	6.0	14.0	.05	.20	<1.0	<1
DRU1580S	200	N	12.0	15.0	14.0	.12	.95	2.0	3
DRU1582S	200	N	3.0	5.0	8.0	<.05	.60	<1.0	N
DRU1584S	200	N	13.0	14.0	19.0	.14	1.10	<1.0	N
DRU1587S	200	N	19.0	19.0	47.0	.21	1.30	2.0	1
DRU1590S	300	N	10.0	35.0	82.0	.92	.90	<1.0	N
DRU1592S	200	N	9.0	16.0	11.0	.05	.75	2.0	3
DRU1595S	300	N	17.0	20.0	20.0	.08	1.15	2.0	1
DRU1597S	200	N	13.0	19.0	19.0	.10	.80	2.0	N
DRU1599S	200	N	21.0	24.0	25.0	.12	1.15	2.0	N
DRU2401S	200	N	13.0	18.0	20.0	<.05	1.05	2.0	N
DRU2403S	300	N	16.0	11.0	17.0	.08	.95	2.0	N
DRU2409S	200	N	15.0	12.0	21.0	.14	.85	1.0	N
DRU2415S	300	N	7.0	5.0	18.0	<.05	.70	<1.0	N
DRU2416S	200	N	13.0	12.0	16.0	.09	.65	1.0	1
DRU2417S	200	N	28.0	12.0	22.0	.07	.55	2.0	1
DRU2418S	200	N	25.0	14.0	27.0	.10	1.00	1.0	1
DRU2419S	200	N	7.0	12.0	13.0	.07	.15	1.0	N
DRU2420S	300	N	15.0	14.0	25.0	.08	.45	2.0	1
DRU2421S	100	N	17.0	25.0	23.0	.13	.55	<1.0	N
DRU2422S	300	N	12.0	12.0	18.0	.10	.65	1.0	N
DRU2423S	300	N	11.0	15.0	17.0	.23	.25	1.0	1
DRU2424S	300	N	18.0	12.0	21.0	.18	.65	2.0	2
DRU2426S	200	N	10.0	15.0	10.0	.14	.65	1.0	1
DRU2428S	300	N	3.0	10.0	4.0	.05	.20	<1.0	N
DRU2429S	300	N	20.0	20.0	25.0	.20	.70	1.0	1
DRU2430S	100	N	19.0	22.0	27.0	.16	.60	2.0	1
DRU2431S	300	N	15.0	21.0	41.0	.20	.95	1.0	N
DRU2434S	70	N	8.0	10.0	34.0	.06	.50	1.0	N
DRU2435S	200	N	13.0	18.0	17.0	.08	.70	1.0	2
DRU2437S	150	N	7.0	23.0	10.0	.08	.45	1.0	1
DRU2439S	100	N	13.0	16.0	43.0	.08	.75	2.0	1
DRU2441S	200	N	23.0	23.0	51.0	.19	.80	1.0	N
DRU2442S	150	N	33.0	24.0	83.0	.27	1.20	2.0	N
DRU2444S	150	N	25.0	19.0	60.0	.16	1.00	<1.0	1
DRU2446S	150	N	33.0	30.0	100.0	.24	1.50	<1.0	2
DRU2448S	100	N	12.0	15.0	70.0	.13	.60	<1.0	<1
DRU2454S	300	N	268.0	160.0	10,000.0	1.65	33.30	40.0	<1

CHAPTER C

LATITUDE 46°30′-47°00′ LONGITUDE 113°00′-113°30′

TABLE 3. STREAM-SEDIMENT 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	S-BI
DRU2460S	46 31 7	113 4 50	2.0	.5	1.00	.50	700	1.5	N	N	50	200	1.0	<10
DRU2461S	46 31 7	113 4 43	3.0	.7	.50	.30	1,000	1.5	N	N	50	200	1.0	N
DRU2463S	46 31 53	113 4 41	3.0	1.5	3.00	.30	700	1.5	N	N	15	200	<1.0	N
DRU2464S	46 32 41	113 5 0	2.0	1.5	2.00	.50	700	N	N	N	20	200	1.0	N
DRU2465S	46 33 14	113 4 46	1.5	.7	1.00	.50	500	N	N	N	30	300	1.5	N
DRU2467S	46 34 3	113 3 48	1.5	.5	.70	.30	300	N	N	N	30	200	1.5	N
DRU2468S	46 35 0	113 2 53	2.0	.5	1.50	.30	500	N	N	N	20	300	1.5	N
DRU2470S	46 33 28	113 13 41	1.5	.5	1.00	.20	2,000	1.5	N	N	50	300	1.5	10
DRU2472S	46 34 39	113 0 45	1.0	1.0	1.50	.20	300	N	N	N	70	200	1.0	N
DRU2474S	46 34 38	113 0 39	1.5	.5	.30	.20	300	N	N	N	50	200	<1.0	N
DRU2476S	46 34 32	113 2 17	1.5	.5	1.50	.20	300	N	N	N	50	300	1.0	N
DRU2477S	46 34 33	113 2 0	1.0	.5	.50	.15	300	N	N	N	50	200	1.0	N
DRU3435S	46 43 42	113 13 51	1.0	7.0	20.00	.10	300	N	N	N	20	150	<1.0	N
DRU3437S	46 43 47	113 13 42	2.0	5.0	10.00	.20	700	N	N	N	100	300	1.5	N
DRU3438S	46 44 38	113 12 50	3.0	5.0	7.00	.30	1,000	N	N	N	150	500	1.5	N
DRU3440S	46 41 50	113 11 24	3.0	2.0	10.00	.20	1,000	N	N	N	100	300	1.5	N
DRU3442S	46 40 54	113 10 20	3.0	1.5	10.00	.50	1,000	N	N	N	150	300	1.5	N
DRU3443S	46 41 21	113 9 9	3.0	1.5	2.00	.50	1,000	N	N	N	100	500	1.5	N
DRU3445S	46 41 20	113 9 4	5.0	2.0	3.00	.50	1,000	N	N	N	100	700	1.0	N
DRU3448S	46 42 56	113 12 25	1.5	2.0	20.00	.20	700	N	N	N	30	300	1.5	N
DRU3450S	46 41 53	113 7 19	3.0	.7	5.00	.30	700	N	N	N	150	500	2.0	N
DRU3451S	46 40 55	113 8 0	5.0	1.5	2.00	.50	1,000	N	N	N	100	700	1.5	N
DRU3488S	46 31 15	113 1 0	5.0	3.0	1.50	.50	700	<.5	N	N	50	700	2.0	N
DRU3490S	46 30 45	113 0 7	5.0	3.0	3.00	.50	2,000	<.5	N	N	30	700	2.0	N
DRU3522S	46 40 3	113 8 0	5.0	1.0	1.50	.70	2,000	N	N	N	200	700	2.0	N
DRU7820S	46 39 7	113 3 7	3.0	.7	2.00	.50	500	N	N	N	100	300	3.0	N
DRU7822S	46 38 42	113 2 50	3.0	1.0	3.00	.50	700	N	N	N	30	500	2.0	N
DRU7824S	46 40 15	113 2 24	3.0	.7	.70	.50	700	N	N	N	70	300	3.0	N
DRU7826S	46 42 59	113 2 41	5.0	1.0	1.50	.70	1,000	N	N	N	20	1,000	3.0	N
DRU7828S	46 43 10	113 2 49	3.0	1.0	1.50	.50	1,500	N	N	N	30	1,500	3.0	N
DRU7830S	46 42 43	113 3 54	3.0	.5	1.50	.50	1,500	<.5	N	N	50	500	3.0	N
DRU7834S	46 42 48	113 0 5	3.0	1.0	1.50	.30	5,000	N	N	N	70	1,000	7.0	N
DRU7836S	46 37 23	113 1 58	3.0	1.0	1.50	.30	1,000	N	N	N	30	500	3.0	N
DRU7838S	46 37 17	113 1 19	5.0	1.5	2.00	.50	1,000	N	N	N	50	700	2.0	N
DRU7840S	46 36 20	113 0 14	3.0	1.5	2.00	.30	500	N	N	N	50	500	1.5	N
DRU7842S	46 37 18	113 3 28	3.0	1.0	2.00	.30	1,000	N	N	N	30	700	2.0	N
DRU7844S	46 37 41	113 4 32	3.0	1.0	1.50	.30	700	<.5	N	N	100	500	3.0	N
DRU7846S	46 37 58	113 5 4	3.0	.7	1.50	.50	1,000	N	N	N	70	500	2.0	N
DRU7935S	46 44 31	113 5 30	5.0	1.0	1.50	.50	1,500	N	N	N	70	1,000	2.0	N
DRU7937S	46 43 24	113 5 23	3.0	.7	2.00	.50	700	N	N	N	70	1,000	3.0	N
DRU7939S	46 41 4	113 5 41	3.0	1.0	1.00	.50	500	.5	N	N	150	1,000	1.5	N
DRU7941S	46 40 51	113 5 34	2.0	2.0	7.00	.30	1,000	<.5	N	N	100	700	2.0	N
DRU7943S	46 40 25	113 5 41	5.0	2.0	2.00	.50	1,000	N	N	N	100	1,000	1.5	N
DRU7945S	46 38 43	113 6 2	3.0	1.5	1.50	.30	700	N	N	N	70	1,000	3.0	N
DRU7947S	46 39 14	113 6 24	3.0	1.5	5.00	.50	700	N	N	N	100	1,000	2.0	N

CHAPTER C

LATITUDE 46°30′-47°00′ LONGITUDE 113°00′-113°30′

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

SAMPLE	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN
DRU2460S	N	7	20	50	30	<5	N	20	150	N	7	N	N	70	N	15	3,000
DRU2461S	N	20	100	50	30	N	N	50	50	N	15	N	150	100	N	30	200
DRU2463S	N	15	150	30	<20	N	N	70	150	N	10	N	300	70	N	10	700
DRU2464S	N	10	150	20	<20	N	N	50	30	N	10	N	200	100	N	10	N
DRU2465S	N	7	70	20	20	N	<20	20	30	N	7	N	200	70	N	15	N
DRU2467S	N	7	10	15	20	N	N	7	30	N	5	N	<100	50	N	20	N
DRU2468S	N	7	20	15	20	N	N	10	20	N	7	N	150	50	N	20	N
DRU2470S	N	7	<10	20	20	N	N	7	70	N	7	N	<100	50	N	15	200
DRU2472S	N	7	10	10	20	N	N	10	30	N	5	N	150	50	N	10	N
DRU2474S	N	7	15	7	20	N	N	10	20	N	5	N	N	50	N	10	N
DRU2476S	N	7	15	15	20	N	N	10	30	N	5	N	150	50	N	15	N
DRU2477S	N	7	10	15	20	N	N	7	20	N	5	N	150	30	N	15	N
DRU3435S	N	<5	50	20	20	N	N	10	30	N	5	N	200	50	N	20	N
DRU3437S	N	7	100	20	30	N	N	30	30	N	7	N	150	70	N	20	N
DRU3438S	N	10	100	30	50	N	<20	50	50	N	10	N	200	70	N	20	N
DRU3440S	N	10	70	30	30	N	N	30	30	N	10	N	300	70	N	30	N
DRU3442S	N	10	100	30	50	N	N	30	30	N	10	N	300	100	N	30	N
DRU3443S	N	10	70	50	30	N	N	30	20	N	10	N	200	150	N	30	N
DRU3445S	N	15	150	50	30	N	<20	70	20	N	15	N	200	200	N	30	N
DRU3448S	N	5	70	15	30	N	N	15	30	N	5	N	300	50	N	20	N
DRU3450S	N	10	70	20	30	N	N	30	30	N	7	N	200	100	N	20	N
DRU3451S	N	10	100	50	20	N	N	50	30	N	10	N	200	200	N	20	N
DRU3488S	N	15	200	30	30	N	<20	70	30	N	10	N	300	100	N	20	N
DRU3490S	N	15	200	50	20	N	N	70	30	N	15	N	300	100	N	30	N
DRU3522S	N	15	150	50	50	<5	<20	50	30	N	15	N	150	200	N	30	N
DRU7820S	N	10	70	30	30	N	N	30	30	N	10	N	100	100	N	20	N
DRU7822S	N	7	30	20	30	N	N	15	30	N	7	N	300	70	N	20	N
DRU7824S	N	10	30	30	50	N	N	30	20	N	7	N	100	100	N	30	N
DRU7826S	N	10	100	20	500	N	<20	70	30	N	10	N	700	100	N	30	N
DRU7828S	N	10	50	30	50	N	<20	30	30	N	7	N	700	70	N	20	N
DRU7830S	N	10	50	30	30	N	<20	30	30	N	7	N	200	70	N	20	N
DRU7834S	N	10	70	30	30	N	<20	50	30	N	10	N	300	70	N	30	N
DRU7836S	N	10	30	30	30	N	N	20	30	N	10	N	200	70	N	30	N
DRU7838S	N	10	70	50	30	N	<20	30	30	N	10	N	300	100	N	30	N
DRU7840S	N	10	100	30	30	N	N	50	30	N	10	N	200	100	N	15	N
DRU7842S	N	10	70	30	50	N	N	20	30	N	7	N	300	100	N	20	N
DRU7844S	N	7	30	30	30	N	<20	10	30	N	10	N	300	100	N	30	N
DRU7846S	N	10	30	30	30	N	<20	10	20	N	10	N	200	100	N	30	N
DRU7935S	N	10	30	30	50	N	<20	20	30	N	10	N	300	100	N	30	N
DRU7937S	N	10	50	50	30	<5	<20	20	50	N	10	15	300	100	N	30	N
DRU7939S	N	10	70	70	30	N	<20	30	30	N	7	N	100	150	N	20	N
DRU7941S	N	7	70	50	50	N	N	20	50	N	7	N	200	100	N	20	N
DRU7943S	N	10	100	50	50	N	<20	50	20	N	10	N	200	150	N	30	N
DRU7945S	N	10	70	30	70	N	20	20	50	N	10	N	200	100	N	50	N
DRU7947S	N	7	100	30	30	N	<20	30	30	N	7	N	200	150	N	30	N

CHAPTER C

LATITUDE 46°30′-47°00′ LONGITUDE 113°00′-113°30′

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

SAMPLE	S-ZR	S-TH	AA-CU	AA-PB	AA-ZN	AA-AG	AA-CD	AA-BI	AA-SB
DRU2460S	150	N	70.0	220.0	4,000.0	1.70	18.90	7.0	2
DRU2461S	100	N	30.0	80.0	370.0	1.80	3.30	1.0	1
DRU2463S	100	N	35.0	220.0	670.0	1.70	3.80	2.0	1
DRU2464S	100	N	30.0	30.0	95.0	.23	.60	<1.0	2
DRU2465S	100	N	20.0	20.0	66.0	.15	.60	<1.0	<1
DRU2467S	200	N	10.0	20.0	48.0	.05	.55	<1.0	<1
DRU2468S	200	N	10.0	15.0	30.0	<.05	.50	<1.0	<1
DRU2470S	200	N	35.0	110.0	130.0	3.10	1.20	11.0	7
DRU2472S	70	N	15.0	18.0	56.0	.15	.65	<1.0	<1
DRU2474S	100	N	6.0	10.0	54.0	<.05	.50	<1.0	<1
DRU2476S	150	N	8.0	10.0	44.0	<.05	.45	<1.0	<1
DRU2477S	300	N	7.0	10.0	43.0	.05	.40	<1.0	<1
DRU3435S	100	N	6.0	11.0	25.0	.17	.30	1.0	N
DRU3437S	100	N	1.0	16.0	30.0	.16	.50	<1.0	N
DRU3438S	200	N	<1.0	25.0	38.0	.05	.50	1.0	1
DRU3440S	200	N	8.0	8.0	12.0	<.05	.45	<1.0	N
DRU3442S	150	N	14.0	11.0	20.0	.11	.55	1.0	N
DRU3443S	300	N	7.0	6.0	10.0	<.05	.40	<1.0	N
DRU3445S	200	N	11.0	5.0	10.0	.07	.55	<1.0	N
DRU3448S	150	N	2.0	7.0	17.0	.06	.50	1.0	N
DRU3450S	200	N	11.0	11.0	37.0	.06	1.50	<1.0	N
DRU3451S	200	N	7.0	4.0	9.0	<.05	.45	1.0	N
DRU3488S	200	N	9.0	12.0	20.0	.37	.30	1.0	N
DRU3490S	200	N	23.0	16.0	35.0	<.05	1.10	2.0	N
DRU3522S	150	N	18.0	18.0	45.0	<.05	.80	1.0	<1
DRU7820S	300	N	24.0	23.0	46.0	.10	.80	<1.0	<1
DRU7822S	150	N	15.0	18.0	20.0	.05	.50	<1.0	<1
DRU7824S	500	N	16.0	22.0	40.0	.14	.65	<1.0	<1
DRU7826S	200	N	18.0	23.0	32.0	.09	.30	<1.0	<1
DRU7828S	150	N	21.0	25.0	28.0	.17	.40	<1.0	<1
DRU7830S	150	N	34.0	24.0	55.0	.11	.85	<1.0	<1
DRU7834S	150	N	17.0	23.0	26.0	.12	.45	<1.0	1
DRU7836S	200	N	32.0	24.0	25.0	.14	.65	<1.0	<1
DRU7838S	200	N	29.0	24.0	31.0	.16	.70	<1.0	<1
DRU7840S	150	N	13.0	20.0	35.0	.09	.50	<1.0	<1
DRU7842S	200	N	16.0	24.0	38.0	.04	.50	<1.0	<1
DRU7844S	150	N	18.0	28.0	30.0	.11	.70	1.0	<1
DRU7846S	200	N	15.0	23.0	15.0	.09	.45	<1.0	1
DRU7935S	200	N	14.0	11.0	12.0	.09	.35	<1.0	<1
DRU7937S	200	N	27.0	15.0	24.0	.12	.40	1.0	<1
DRU7939S	300	N	8.0	8.0	12.0	.08	.30	1.0	<1
DRU7941S	200	N	23.0	18.0	29.0	.21	.50	1.0	<1
DRU7943S	300	N	15.0	8.0	8.0	.11	.35	<1.0	<1
DRU7945S	300	N	9.0	20.0	8.0	.08	.30	2.0	<1
DRU7947S	500	N	8.0	8.0	19.0	.11	.25	<1.0	<1

CHAPTER C

LATITUDE 46°30′-47°00′ LONGITUDE 113°00′-113°30′

TABLE 3. STREAM-SEDIMENT 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	S-BI
ELV1019S	46 49 48	113 18 23	3.0	5.0	15.00	.15	500	N	N	N	70	200	1.5	N
ELV1025S	46 49 44	113 18 32	2.0	5.0	15.00	.15	500	N	N	N	100	200	1.5	N
ELV4859S	46 52 22	113 22 23	10.0	1.5	3.00	.50	1,500	N	N	N	30	700	2.0	N
ELV5830S	46 46 53	113 20 32	1.0	5.0	10.00	.10	300	N	N	N	70	150	1.0	N
ELV5832S	46 47 54	113 19 13	3.0	.3	3.00	.30	500	N	N	N	100	300	1.0	N
ELV5835S	46 48 1	113 20 35	2.0	.3	1.50	.30	300	N	N	N	30	300	<1.0	N
ELV5841S	46 49 11	113 21 49	1.5	1.5	7.00	.10	500	N	N	N	50	200	<1.0	N
ELV5844S	46 49 14	113 21 41	10.0	2.0	5.00	.15	300	N	N	N	30	100	<1.0	N
ELV5846S	46 50 10	113 18 50	7.0	1.5	2.00	.20	500	N	N	N	20	200	<1.0	N
ELV5848S	46 51 45	113 21 14	15.0	.7	1.50	.20	500	N	N	N	10	150	<1.0	N
ELV5850S	46 51 38	113 20 38	20.0	.3	1.00	.20	500	N	N	N	N	150	N	N
ELV5852S	46 50 44	113 20 34	5.0	.7	1.50	.30	300	N	N	N	15	200	<1.0	N
ELV5854S	46 50 9	113 17 30	2.0	1.0	2.00	.30	700	N	N	N	20	300	1.5	N
ELV5856S	46 47 48	113 15 35	.7	.3	1.50	.20	300	N	N	N	30	200	1.0	N
ELV5857S	46 46 2	113 17 15	.7	2.0	7.00	.15	200	N	N	N	30	200	<1.0	N
ELV5859S	46 45 6	113 19 41	1.5	.3	1.00	.30	700	N	N	N	50	300	1.5	N
ELV5972S	46 47 52	113 16 2	1.5	2.0	5.00	.15	300	N	N	N	100	150	<1.0	N
ELV5973S	46 48 3	113 16 12	3.0	1.5	3.00	.50	500	N	N	N	30	500	<1.0	N
ELV5977S	46 46 58	113 20 54	1.5	.7	1.50	.20	300	N	N	N	30	500	1.0	N
ELV5979S	46 47 42	113 19 4	.7	2.0	5.00	.10	200	N	N	N	50	100	<1.0	N
ELV5980S	46 47 41	113 18 21	2.0	.3	.50	.30	500	N	N	N	100	300	1.0	N
ELV5985S	46 48 29	113 21 17	1.5	.7	1.50	.20	200	N	N	N	20	500	1.0	N
ELV5986S	46 48 32	113 21 4	1.5	1.0	7.00	.10	500	1.0	N	N	50	300	<1.0	N
ELV5989S	46 49 14	113 17 19	3.0	2.0	10.00	.15	300	N	N	N	15	200	<1.0	N
ELV5991S	46 51 1	113 19 15	3.0	1.0	1.50	.20	500	N	N	N	30	200	1.0	N
ELV5993S	46 51 40	113 20 58	15.0	.7	1.50	.20	1,000	N	N	N	N	200	<1.0	N
ELV5995S	46 51 42	113 16 53	3.0	1.0	1.50	.20	700	N	N	N	15	200	1.5	N
ELV5997S	46 51 23	113 18 6	2.0	1.0	1.50	.30	700	N	N	N	10	200	1.0	N
ELV5999S	46 47 14	113 16 4	1.5	1.0	3.00	.30	700	N	N	N	70	300	1.0	N
ELV6970S	46 45 48	113 15 59	1.5	.7	2.00	.20	500	.5	N	N	70	500	1.0	N
ELV6972S	46 45 44	113 21 46	2.0	.7	1.00	.30	700	N	N	N	100	200	1.0	N
GNG4819S	46 54 23	113 24 39	5.0	.7	1.50	.30	1,000	N	N	N	100	1,000	1.5	N
GNG4820S	46 53 49	113 23 33	3.0	.7	1.00	.30	300	N	N	N	70	1,000	3.0	N
GNG4822S	46 53 42	113 22 53	2.0	.5	.50	.20	200	N	N	N	150	1,000	2.0	N
GNG4824S	46 53 14	113 22 59	7.0	1.5	3.00	.50	700	N	N	N	50	700	1.5	N
GNG4825S	46 53 18	113 23 14	3.0	.7	1.50	.20	700	N	N	N	100	1,000	3.0	N
GNG4838S	46 57 35	113 29 21	3.0	.7	.30	.50	1,000	N	N	N	200	1,000	2.0	N
GNG4839S	46 57 47	113 25 30	3.0	.7	.50	.50	1,000	N	N	N	200	1,000	2.0	N
GNG4841S	46 57 56	113 26 35	3.0	.7	.20	.50	700	N	N	N	200	700	3.0	N
GNG4843S	46 57 57	113 26 31	3.0	.7	.20	.30	500	N	N	N	200	1,000	2.0	N
GNG4845S	46 57 55	113 26 35	2.0	.5	.30	.30	700	N	N	N	200	700	3.0	N
GNG4846S	46 57 16	113 27 45	3.0	.7	.30	.30	1,000	N	N	N	200	1,000	3.0	N
GNG4847S	46 57 46	113 28 8	2.0	.5	.30	.30	500	N	N	N	200	700	2.0	N
GNG4848S	46 59 30	113 25 52	3.0	.7	.30	.30	700	N	N	N	200	700	3.0	N
GNG4849S	46 59 3	113 25 17	2.0	.7	.30	.30	1,500	N	N	N	200	1,000	3.0	N

CHAPTER C

LATITUDE 46°30'-47°00' LONGITUDE 113°00'-113°30'

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

SAMPLE	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN
ELV1019S	N	7	50	20	30	N	<20	20	70	N	7	N	<100	50	N	15	N
ELV1025S	N	7	50	15	30	N	<20	20	30	N	7	N	<100	30	N	20	N
ELV4859S	N	30	200	20	<20	5	<20	30	20	N	20	N	300	200	N	70	N
ELV5830S	N	5	20	10	20	N	N	10	30	N	5	N	150	20	N	10	N
ELV5832S	N	10	70	20	30	N	<20	30	70	N	7	N	<100	50	N	20	N
ELV5835S	N	7	20	20	20	N	N	20	30	N	7	N	200	50	N	15	N
ELV5841S	N	5	50	10	20	<5	N	10	30	N	5	N	200	50	N	20	N
ELV5844S	N	10	150	15	N	N	N	15	30	N	5	N	<100	200	N	15	N
ELV5846S	N	10	100	20	20	N	N	15	30	N	7	N	200	150	N	30	N
ELV5848S	N	10	150	15	20	N	N	10	30	N	7	N	200	300	N	30	N
ELV5850S	N	15	200	20	<20	N	N	15	20	N	5	N	200	500	N	30	N
ELV5852S	N	10	70	15	200	N	N	7	30	N	10	N	300	100	N	20	N
ELV5854S	N	10	15	15	200	N	N	10	20	N	10	N	300	70	N	20	N
ELV5856S	N	5	10	10	20	N	N	10	30	N	5	N	100	20	N	10	<200
ELV5857S	N	5	30	15	20	N	N	15	30	N	<5	N	200	20	N	10	N
ELV5859S	N	7	50	15	30	N	N	15	20	N	7	N	150	30	N	20	N
ELV5972S	N	7	30	15	20	N	N	20	20	N	5	N	N	50	N	10	N
ELV5973S	N	10	50	70	30	N	N	30	50	N	7	N	500	100	N	30	N
ELV5977S	N	7	50	15	30	N	N	20	50	N	5	N	700	50	N	15	N
ELV5979S	N	<5	15	7	<20	N	N	10	30	N	<5	N	N	20	N	10	N
ELV5980S	N	7	50	15	20	N	<20	20	30	N	5	N	150	50	N	15	N
ELV5985S	N	7	50	10	30	N	N	20	30	N	5	N	1,000	50	N	15	N
ELV5986S	N	7	20	20	<20	N	N	10	50	N	5	N	100	50	N	15	N
ELV5989S	N	7	50	15	20	N	N	15	30	N	5	N	150	150	N	15	N
ELV5991S	N	7	20	15	20	N	N	10	20	N	10	N	500	100	N	20	N
ELV5993S	N	15	200	20	N	N	N	15	30	N	10	N	300	500	N	50	N
ELV5995S	N	7	50	10	20	N	N	10	30	N	10	N	300	100	N	30	N
ELV5997S	N	7	15	10	20	N	N	10	30	N	10	N	500	70	N	30	N
ELV5999S	N	7	50	20	30	N	N	30	50	N	7	N	200	30	N	15	N
ELV6970S	N	7	30	15	20	N	N	15	50	N	7	N	150	50	N	15	N
ELV6972S	N	7	50	20	20	N	N	30	50	N	7	N	N	50	N	15	N
GNG4819S	N	7	70	20	30	N	<20	15	30	N	7	N	300	100	N	30	N
GNG4820S	N	5	70	20	30	N	<20	10	30	N	7	N	300	70	N	30	N
GNG4822S	N	7	20	15	20	N	<20	10	20	N	5	N	100	30	N	30	N
GNG4824S	N	15	100	20	20	N	<20	20	30	N	15	N	300	150	N	50	N
GNG4825S	N	7	30	20	30	N	<20	20	30	N	7	N	200	50	N	50	N
GNG4838S	N	10	100	30	30	N	<20	30	30	N	7	N	<100	50	N	50	N
GNG4839S	N	7	100	20	30	N	<20	30	30	N	7	N	<100	50	N	30	N
GNG4841S	N	10	30	30	30	N	<20	30	30	N	7	N	N	50	N	50	N
GNG4843S	N	10	50	30	30	5	<20	30	30	N	7	N	N	50	N	30	N
GNG4845S	N	10	50	20	30	5	<20	30	20	N	7	N	N	50	N	30	N
GNG4846S	N	10	30	30	30	5	<20	20	30	N	7	N	N	50	N	30	N
GNG4847S	N	7	50	20	30	5	<20	20	30	N	7	N	N	50	N	50	N
GNG4848S	N	10	70	30	50	5	<20	50	30	N	7	N	<100	70	N	70	N
GNG4849S	N	10	30	20	50	5	<20	20	30	N	7	N	<100	50	N	50	N

CHAPTER C

LATITUDE 46°30'-47°00' LONGITUDE 113°00'-113°30'

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

SAMPLE	S-ZR	S-TH	AA-CU	AA-PB	AA-ZN	AA-AG	AA-CD	AA-BI	AA-SB
ELV1019S	70	N	13.0	27.0	6.0	N	N	N	N
ELV1025S	100	N	11.0	15.0	17.0	.06	.09	N	1
ELV4859S	200	N	6.0	5.0	10.0	.05	.20	N	1
ELV5830S	50	N	9.0	14.0	16.0	.06	.45	<1.0	N
ELV5832S	200	N	18.0	117.0	33.0	.10	.55	<1.0	4
ELV5835S	200	N	10.0	21.0	10.0	.06	.18	<1.0	2
ELV5841S	50	N	5.0	10.0	9.0	<.05	.25	<1.0	N
ELV5844S	150	N	9.0	22.0	10.0	.21	.15	1.0	N
ELV5846S	300	N	11.0	7.0	12.0	.14	.15	<1.0	2
ELV5848S	150	N	2.0	7.0	6.0	.06	.05	<1.0	1
ELV5850S	300	N	2.0	5.0	6.0	<.05	.15	<1.0	N
ELV5852S	100	N	2.0	3.0	5.0	<.05	.05	<1.0	N
ELV5854S	100	N	2.0	3.0	5.0	<.05	.05	<1.0	N
ELV5856S	150	N	13.0	34.0	76.0	.12	.88	1.0	4
ELV5857S	70	N	27.0	27.0	35.0	.07	.42	<1.0	<1
ELV5859S	100	N	13.0	18.0	44.0	.05	.65	<1.0	4
ELV5972S	50	N	7.0	8.0	6.0	.05	.10	<1.0	N
ELV5973S	200	N	60.0	19.0	11.0	.16	.20	2.0	1
ELV5977S	100	N	19.0	21.0	17.0	.08	.15	<1.0	1
ELV5979S	70	N	15.0	32.0	42.0	.09	.40	<1.0	6
ELV5980S	200	N	10.0	36.0	52.0	.09	.73	<1.0	2
ELV5985S	70	N	3.0	5.0	4.0	.05	.10	<1.0	N
ELV5986S	50	N	27.0	36.0	16.0	.97	.20	1.0	6
ELV5989S	70	N	35.0	14.0	12.0	<.05	.15	1.0	N
ELV5991S	100	N	8.0	5.0	8.0	.07	.05	1.0	N
ELV5993S	300	N	2.0	3.0	7.0	<.05	.05	1.0	N
ELV5995S	200	N	1.0	2.0	4.0	<.05	.05	<1.0	N
ELV5997S	100	N	4.0	3.0	11.0	<.05	<.05	1.0	N
ELV5999S	100	N	19.0	65.0	55.0	.10	.80	1.0	6
ELV6970S	150	N	10.0	35.0	25.0	.08	.50	1.0	1
ELV6972S	100	N	22.0	52.0	103.0	.11	.70	1.0	5
GNG4819S	300	N	15.0	8.0	23.0	<.05	.22	N	N
GNG4820S	200	N	13.0	6.0	11.0	<.05	.21	N	N
GNG4822S	300	N	22.0	18.0	31.0	.07	.63	N	1
GNG4824S	300	N	14.0	8.0	10.0	.05	.47	N	N
GNG4825S	200	N	10.0	11.0	11.0	<.05	.58	N	1
GNG4838S	500	N	16.0	8.0	33.0	<.05	.65	N	N
GNG4839S	500	N	5.0	11.0	22.0	N	.74	N	1
GNG4841S	500	N	18.0	7.0	17.0	<.05	.70	1.0	N
GNG4843S	500	N	28.0	11.0	14.0	<.05	.74	N	N
GNG4845S	500	N	19.0	6.0	11.0	<.05	.69	N	N
GNG4846S	300	N	17.0	21.0	21.0	.08	.80	1.0	1
GNG4847S	500	N	12.0	9.0	8.0	.05	.15	N	1
GNG4848S	300	N	20.0	16.0	15.0	<.05	.25	1.0	1
GNG4849S	300	N	15.0	17.0	22.0	<.05	.40	1.0	1

CHAPTER C

LATITUDE 46°30'-47°00' LONGITUDE 113°00'-113°30'

TABLE 3. STREAM-SEDIMENT 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	S-BI
GNG4850S	46 54 19	113 25 28	2.0	.7	.50	.30	500	N	N	N	150	1,500	3.0	N
GNG4851S	46 53 30	113 26 11	3.0	.7	.70	.30	1,000	N	N	N	100	1,500	3.0	N
GNG4861S	46 53 57	113 27 19	2.0	1.0	.30	.30	300	N	N	N	300	1,000	3.0	N
GNG4862S	46 53 17	113 28 26	2.0	.7	.70	.50	500	N	N	N	100	1,000	3.0	N
GNG4863S	46 55 41	113 28 47	2.0	.5	.30	.30	1,000	N	N	N	100	700	2.0	N
GNG4864S	46 55 40	113 28 20	1.5	.5	.30	.30	500	N	N	N	150	700	2.0	N
GNG4866S	46 56 17	113 29 43	3.0	.7	.30	.30	1,000	N	N	N	150	700	2.0	N
GNG4870S	46 55 57	113 29 22	3.0	.7	.30	.50	1,000	N	N	N	150	1,000	3.0	N
GNG4871S	46 55 15	113 27 24	2.0	.5	.70	.30	700	N	N	N	200	1,000	3.0	N
GNG4872S	46 55 12	113 27 20	2.0	.5	.30	.50	500	N	N	N	200	1,000	2.0	N
GNG4873S	46 54 43	113 22 54	3.0	.7	1.00	.30	1,000	N	N	N	150	1,000	2.0	N
GNG4874S	46 54 28	113 22 48	3.0	.7	.70	.30	700	N	N	N	150	1,000	2.0	N
GNG4878S	46 52 46	113 29 43	3.0	.5	1.50	.50	1,000	N	200	N	70	2,000	3.0	N
GNG7874S	46 59 25	113 22 41	2.0	.7	.70	.30	1,500	N	N	N	150	700	1.5	N
GNG7894S	46 54 38	113 23 7	2.0	.7	.70	.30	700	N	N	N	70	700	2.0	N
GNG7895S	46 54 43	113 23 7	2.0	.7	.50	.30	300	N	N	N	100	700	1.5	N
POM4837S	46 57 35	113 29 48	2.0	.5	.30	.30	200	N	N	N	300	700	2.0	N
UNI3978S	46 48 7	113 29 57	1.5	7.0	15.00	.20	300	.5	N	N	100	500	1.5	N
UNI4853S	46 52 29	113 23 52	2.0	7.0	.50	.20	500	.7	N	N	100	1,000	3.0	N
UNI4940S	46 50 21	113 23 59	7.0	1.0	1.50	.30	1,000	20.0	N	N	200	2,000	1.5	30
UNI4943S	46 50 20	113 23 56	15.0	2.0	5.00	.30	1,000	N	N	N	200	700	1.5	N
UNI4955S	46 51 40	113 29 47	5.0	1.0	1.50	.50	700	N	N	N	150	1,000	2.0	10
UNI4956S	46 50 51	113 28 32	10.0	2.0	3.00	.50	1,000	N	N	N	150	700	1.5	10
UNI4958S	46 51 16	113 27 19	3.0	1.0	.50	.30	700	N	N	N	150	1,000	5.0	N
UNI4960S	46 51 33	113 29 12	3.0	1.0	1.00	.30	700	<.5	N	N	150	1,000	5.0	N
UNI4961S	46 49 42	113 28 42	3.0	.7	.30	.30	1,500	N	N	N	200	1,000	5.0	N
UNI4962S	46 49 29	113 28 7	2.0	.5	.50	.30	1,000	N	N	N	150	1,000	7.0	N
UNI4964S	46 49 57	113 27 49	3.0	1.0	.30	.30	1,000	N	N	N	200	2,000	5.0	N
UNI4969S	46 48 35	113 25 56	3.0	.7	.50	.50	1,500	N	N	N	200	1,000	3.0	N
UNI4971S	46 48 57	113 25 10	3.0	1.0	1.50	.30	1,000	N	N	N	150	1,500	3.0	N
UNI4973S	46 48 30	113 26 45	1.5	1.5	20.00	.15	300	N	N	N	50	500	1.0	N
UNI4982S	46 47 41	113 29 1	3.0	1.0	1.50	.50	1,000	N	N	N	200	1,500	2.0	N
UNI4983S	46 46 55	113 28 46	2.0	3.0	10.00	.15	700	N	N	N	100	700	2.0	N
UNI4984S	46 47 6	113 28 8	3.0	1.5	3.00	.50	1,000	N	N	N	70	2,000	3.0	N
UNI4985S	46 47 13	113 27 25	3.0	1.0	2.00	.50	1,500	N	N	N	150	1,500	7.0	N
UNI4987S	46 47 4	113 24 19	3.0	1.5	3.00	.30	700	N	N	N	30	1,500	1.5	N
UNI4989S	46 47 5	113 24 22	3.0	1.5	3.00	.30	1,500	N	N	N	100	1,000	2.0	N
UNI4991S	46 46 40	113 25 17	3.0	1.5	3.00	.30	1,000	N	N	N	30	1,500	2.0	N
UNI4992S	46 46 18	113 24 25	3.0	.7	2.00	.30	2,000	N	N	N	70	1,500	5.0	N
UNI4994S	46 45 46	113 22 51	2.0	1.5	3.00	.30	700	N	N	N	30	1,500	5.0	N
UNI5939S	46 49 19	113 22 30	3.0	1.5	7.00	.30	700	N	N	N	70	1,000	3.0	N
WIH5827S	46 46 12	113 12 51	1.5	.5	1.50	.30	300	N	N	N	30	500	1.5	N
WIH5860S	46 47 52	113 12 10	2.0	.7	1.00	.30	300	N	N	N	20	700	<1.0	N
WIH5862S	46 49 54	113 13 27	3.0	1.5	2.00	.50	500	N	N	N	20	1,000	<1.0	N
WIH5864S	46 47 29	113 8 26	2.0	.7	1.00	.30	300	N	N	N	10	1,000	1.5	N

CHAPTER C

LATITUDE 46°30′-47°00′ LONGITUDE 113°00′-113°30′

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

SAMPLE	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN
GNG4850S	N	7	50	20	30	5	<20	20	30	N	7	N	150	50	N	30	N
GNG4851S	N	10	70	30	30	5	<20	30	30	N	10	N	200	50	N	30	N
GNG4861S	N	7	70	15	30	5	<20	20	30	N	7	N	<100	50	N	30	N
GNG4862S	N	7	50	20	30	5	<20	10	20	N	7	N	150	50	N	30	N
GNG4863S	N	7	20	20	30	N	<20	15	30	N	7	N	N	50	N	30	N
GNG4864S	N	7	15	10	50	N	<20	10	20	N	5	N	<100	30	N	30	N
GNG4866S	N	7	100	30	30	N	N	20	30	N	5	N	<100	30	N	50	N
GNG4870S	N	10	50	30	30	N	<20	30	30	N	7	N	N	70	N	50	N
GNG4871S	N	7	20	20	30	N	<20	20	20	N	7	N	<100	50	N	50	N
GNG4872S	N	7	20	15	30	N	<20	15	20	N	5	N	<100	50	N	30	N
GNG4873S	N	7	50	30	30	N	<20	20	20	N	7	N	<100	70	N	30	N
GNG4874S	N	7	20	20	30	N	<20	15	30	N	7	N	100	50	N	30	N
GNG4878S	N	7	15	20	30	N	<20	10	30	N	7	N	100	50	N	30	N
GNG7874S	N	7	20	30	30	N	N	15	30	N	7	N	N	50	N	30	N
GNG7894S	N	7	50	20	30	N	N	10	20	N	7	N	150	50	N	20	N
GNG7895S	N	7	50	20	30	N	N	15	20	N	7	N	150	70	N	50	N
POM4837S	N	7	50	15	50	N	<20	15	20	N	5	N	N	50	N	30	N
UNI3978S	N	<5	100	20	20	N	<20	15	100	N	5	N	<100	30	N	15	N
UNI4853S	N	7	50	20	30	5	<20	15	20	N	7	N	150	30	N	30	N
UNI4940S	N	7	50	1,000	20	10	<20	20	1,500	N	7	N	<100	100	N	20	N
UNI4943S	N	20	500	20	<20	N	<20	50	50	N	10	N	200	300	N	50	N
UNI4955S	N	15	300	30	30	N	<20	100	30	N	10	N	100	100	N	100	N
UNI4956S	N	20	200	70	30	N	<20	100	30	N	10	N	300	300	N	30	N
UNI4958S	N	7	50	30	50	N	<20	20	30	N	7	N	<100	50	N	70	N
UNI4960S	N	10	200	50	70	N	<20	50	50	N	10	N	100	50	N	70	N
UNI4961S	N	10	70	20	70	N	<20	50	30	N	10	N	<100	70	N	70	N
UNI4962S	N	7	50	30	50	N	<20	20	30	N	7	N	<100	50	N	70	N
UNI4964S	N	10	50	70	50	N	<20	30	30	N	10	N	N	70	N	70	N
UNI4969S	N	10	150	20	50	N	<20	50	50	N	10	N	N	70	N	50	N
UNI4971S	N	15	70	30	50	N	<20	50	30	N	7	N	500	70	N	20	N
UNI4973S	N	15	50	70	20	N	N	30	150	N	5	N	100	30	N	15	N
UNI4982S	N	10	100	30	50	N	<20	30	100	N	10	N	100	70	N	30	N
UNI4983S	N	5	70	20	30	N	N	30	70	N	7	N	200	30	N	10	N
UNI4984S	N	10	150	20	70	N	<20	70	50	N	10	N	1,000	70	N	30	N
UNI4985S	N	10	100	30	70	N	<20	70	70	N	10	N	700	100	N	50	N
UNI4987S	N	7	100	15	70	N	<20	50	30	N	10	<10	1,500	50	N	20	N
UNI4989S	N	7	100	20	50	N	<20	30	30	N	10	N	1,000	70	N	30	N
UNI4991S	N	10	150	20	50	N	N	70	30	N	10	N	1,500	50	N	20	N
UNI4992S	N	7	50	50	50	N	<20	50	70	N	7	N	500	50	N	30	<200
UNI4994S	N	7	150	20	50	N	<20	70	30	N	7	N	1,500	50	N	20	N
UNI5939S	N	10	100	20	50	N	<20	20	30	N	10	N	500	100	N	30	N
WIH5827S	N	7	50	15	30	N	N	50	30	N	5	N	500	30	N	10	N
WIH5860S	N	10	200	20	300	N	N	50	30	N	7	N	500	50	N	10	N
WIH5862S	N	15	300	20	300	N	N	70	30	N	10	N	700	70	N	10	N
WIH5864S	N	7	70	15	30	N	N	30	20	N	7	N	500	30	N	10	N

LATITUDE 46°30′-47°00′ LONGITUDE 113°00′-113°30′

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

SAMPLE	S-ZR	S-TH	AA-CU	AA-PB	AA-ZN	AA-AG	AA-CD	AA-BI	AA-SB
GNG4850S	200	N	13.0	8.0	7.0	<.05	.25	N	1
GNG4851S	300	N	20.0	13.0	26.0	.06	.31	1.0	N
GNG4861S	300	N	7.0	5.0	5.0	<.05	.19	1.0	N
GNG4862S	300	N	10.0	8.0	15.0	.05	.37	N	N
GNG4863S	300	N	15.0	13.0	40.0	.05	.71	1.0	1
GNG4864S	300	N	6.0	8.0	8.0	N	.26	N	N
GNG4866S	300	N	18.0	10.0	18.0	.05	.39	1.0	1
GNG4870S	300	N	16.0	11.0	26.0	<.05	.45	1.0	1
GNG4871S	300	N	17.0	11.0	24.0	.09	.65	1.0	N
GNG4872S	300	N	4.0	6.0	12.0	<.05	.29	N	N
GNG4873S	300	N	19.0	8.0	17.0	<.05	.48	N	N
GNG4874S	300	N	9.0	7.0	10.0	<.05	.36	N	1
GNG4878S	200	N	4.0	9.0	14.0	<.05	.10	N	2
GNG7874S	200	N	19.0	25.0	55.0	<.05	.60	<1.0	1
GNG7894S	200	N	11.0	18.0	15.0	.08	.35	<1.0	<1
GNG7895S	300	N	7.0	14.0	7.0	.10	.20	<1.0	<1
POM4837S	500	N	8.0	5.0	3.0	<.01	.52	N	1
UNI3978S	100	N	9.0	5.0	8.0	.15	.07	N	N
UNI4853S	300	N	12.0	10.0	12.0	.06	.47	1.0	N
UNI4940S	300	N	430.0	1,500.0	46.0	18.20	.80	19.0	250
UNI4943S	300	N	14.0	45.0	10.0	.54	.22	N	N
UNI4955S	300	N	14.0	10.0	20.0	<.05	.33	N	N
UNI4956S	300	N	9.0	8.0	6.0	<.05	.22	N	N
UNI4958S	300	N	16.0	8.0	5.0	<.05	.21	N	N
UNI4960S	200	N	24.0	26.0	6.0	.19	.07	2.0	N
UNI4961S	300	N	11.0	11.0	14.0	N	.15	2.0	N
UNI4962S	200	N	25.0	8.0	15.0	<.05	.15	2.0	N
UNI4964S	300	N	38.0	10.0	19.0	<.05	.23	2.0	N
UNI4969S	300	N	9.0	17.0	22.0	N	.25	2.0	N
UNI4971S	200	N	16.0	9.0	28.0	N	.16	2.0	1
UNI4973S	100	N	70.0	13.0	26.0	.07	.26	2.0	4
UNI4982S	300	N	9.0	47.0	37.0	<.05	.37	2.0	4
UNI4983S	70	N	7.0	46.0	30.0	.07	.36	3.0	3
UNI4984S	200	N	6.0	10.0	12.0	N	.12	3.0	N
UNI4985S	300	N	12.0	30.0	32.0	<.05	.45	2.0	<1
UNI4987S	100	N	25.0	7.0	6.0	.05	.14	N	1
UNI4989S	200	N	16.0	10.0	8.0	.07	.23	N	2
UNI4991S	150	N	11.0	9.0	8.0	.06	.19	N	2
UNI4992S	150	N	18.0	36.0	75.0	.11	.71	2.0	2
UNI4994S	150	N	8.0	11.0	12.0	.07	.19	N	2
UNI5939S	200	N	5.0	10.0	14.0	<.05	.17	2.0	N
WIH5827S	150	N	13.0	14.0	22.0	.08	.50	<1.0	N
WIH5860S	70	N	8.0	9.0	37.0	.09	.20	<1.0	N
WIH5862S	100	N	6.0	8.0	19.0	.08	.10	<1.0	N
WIH5864S	100	N	12.0	6.0	15.0	.10	.15	<1.0	N

CHAPTER C

LATITUDE 46°30'-47°00' LONGITUDE 113°00'-113°30'

TABLE 3. STREAM-SEDIMENT 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	S-BI
WIH5970S	46 46 11	113 12 56	3.0	.7	1.00	.30	500	N	N	N	30	1,000	1.0	N
WIH6900S	46 47 40	113 11 55	2.0	.5	1.00	.20	500	N	N	N	20	500	1.5	N
WIH6903S	46 49 52	113 13 37	1.5	2.0	3.00	.15	700	N	N	N	50	200	1.0	N
WIH6904S	46 47 9	113 9 53	3.0	1.5	2.00	.30	500	N	N	N	10	1,500	<1.0	N
WIH7953S	46 48 28	113 8 3	3.0	2.0	2.00	.50	1,000	N	N	N	N	2,000	1.5	N
WIH7955S	46 49 57	113 10 25	7.0	2.0	2.00	.10	1,500	N	N	N	10	2,000	2.0	N
WIH7957S	46 49 52	113 10 26	3.0	2.0	2.00	.70	1,000	N	N	N	50	2,000	2.0	N
WIH7959S	46 49 22	113 9 28	5.0	1.5	2.00	.70	2,000	N	N	N	10	2,000	2.0	N
WIH7961S	46 49 21	113 9 39	5.0	3.0	3.00	.70	1,500	N	N	N	<10	2,000	2.0	N
WIH7963S	46 48 15	113 13 3	5.0	1.5	1.50	.70	3,000	N	N	N	100	1,500	2.0	N
WIH7965S	46 48 14	113 12 56	5.0	2.0	2.00	.50	1,500	N	N	N	50	2,000	2.0	N
WIH7967S	46 48 56	113 13 23	5.0	3.0	3.00	.70	1,000	N	N	N	30	1,500	2.0	N
WIH7969S	46 46 33	113 11 50	5.0	1.5	2.00	.70	1,500	N	N	N	20	2,000	1.5	N
WIH7971S	46 45 19	113 11 48	7.0	2.0	2.00	.10	1,500	.5	N	N	30	2,000	1.5	N
WIH7973S	46 45 38	113 8 39	3.0	1.0	2.00	.70	700	N	N	N	50	1,500	2.0	N
WIH7975S	46 46 29	113 8 1	3.0	.7	2.00	.70	1,500	N	N	N	20	1,500	2.0	N
WIH7977S	46 46 27	113 8 4	5.0	.7	2.00	.70	1,500	N	N	N	30	1,500	1.5	N

CHAPTER C

LATITUDE 46°30'-47°00' LONGITUDE 113°00'-113°30'

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

SAMPLE	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN
WIH5970S	N	10	150	20	30	N	N	50	50	N	7	N	300	50	N	20	N
WIH6900S	N	7	70	15	30	N	N	50	20	N	7	N	500	50	N	15	N
WIH6903S	N	7	50	70	30	N	N	30	70	N	5	N	200	50	N	15	N
WIH6904S	N	20	300	20	50	N	N	100	30	N	10	N	1,000	70	N	15	N
WIH7953S	N	10	150	30	70	N	<20	100	30	N	10	N	700	70	N	50	N
WIH7955S	N	20	200	50	100	N	<20	100	50	N	15	N	1,000	100	N	20	N
WIH7957S	N	10	200	30	50	N	<20	100	50	N	10	N	700	100	N	30	N
WIH7959S	N	15	150	50	50	N	<20	100	30	N	10	N	700	100	N	20	N
WIH7961S	N	15	200	30	70	N	<20	100	30	N	15	N	1,000	100	N	20	N
WIH7963S	N	10	100	30	50	N	<20	70	70	N	10	N	300	100	N	30	300
WIH7965S	N	15	150	100	70	N	<20	100	50	N	10	N	700	100	N	30	N
WIH7967S	N	15	150	70	70	N	<20	100	30	N	10	N	700	100	N	30	N
WIH7969S	N	15	150	30	70	N	20	70	50	N	10	N	1,000	100	N	20	N
WIH7971S	N	20	300	50	70	N	<20	100	50	N	15	30	1,000	100	N	20	N
WIH7973S	N	15	100	50	70	N	<20	70	50	N	10	N	700	70	N	30	N
WIH7975S	N	15	70	30	70	N	<20	50	50	N	10	N	700	70	N	30	N
WIH7977S	N	10	70	50	70	N	<20	70	30	N	10	N	700	150	N	50	N

CHAPTER C

LATITUDE 46°30'-47°00' LONGITUDE 113°00'-113°30'

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

SAMPLE	S-ZR	S-TH	AA-CU	AA-PB	AA-ZN	AA-AG	AA-CD	AA-BI	AA-SB
WIH5970S	100	N	7.0	27.0	19.0	.05	.35	<1.0	1
WIH6900S	100	N	10.0	8.0	51.0	.17	.55	1.0	N
WIH6903S	100	N	59.0	54.0	28.0	.28	.70	1.0	3
WIH6904S	100	N	8.0	7.0	17.0	.12	.15	1.0	N
WIH7953S	700	N	7.0	5.0	12.0	.10	<.05	1.0	<1
WIH7955S	300	N	6.0	8.0	14.0	.14	<.05	2.0	<1
WIH7957S	300	N	5.0	8.0	11.0	.08	.07	1.0	<1
WIH7959S	200	N	6.0	3.0	19.0	.09	.13	2.0	<1
WIH7961S	200	N	9.0	8.0	18.0	.16	<.05	1.0	<1
WIH7963S	300	N	9.0	28.0	100.0	.13	1.70	1.0	1
WIH7965S	300	N	34.0	17.0	25.0	.25	.25	1.0	<1
WIH7967S	300	N	19.0	13.0	21.0	.23	.15	<1.0	<1
WIH7969S	300	N	5.0	14.0	72.0	.09	.15	<1.0	<1
WIH7971S	200	N	13.0	25.0	37.0	.51	.20	<1.0	<1
WIH7973S	300	N	12.0	7.0	10.0	.16	.09	<1.0	<1
WIH7975S	200	N	11.0	9.0	11.0	.15	.38	<1.0	<1
WIH7977S	300	N	12.0	8.0	18.0	.09	.39	<1.0	<1