UNITED STATES DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

Coordinates for and analytical values of 78 rock, 275 stream sediment and soil, and 220 panned-concentrate samples included in the Butte 1° x 2° quadrangle between the latitudes of 46°00'00" and 46°30'00" N., and the longitudes of 112°30'00" and 113°00'00" W.

by

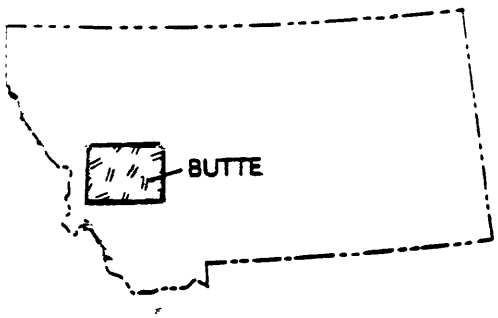
W. L. Campbell, S. K. McDanal, and R. T. Hopkins, Jr.

Open-File Report 82-617-H

1982

Chapter H

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

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
AN2102R	46 2 3	112 53 29	2.00	1.00	1.50	.300	500	N	N	N	70	1,500	5.0
AN2103R	46 1 36	112 53 21	2.00	1.50	2.00	.300	500	N	N	N	30	2,000	1.5
AN2104R	46 1 21	112 53 15	3.00	2.00	2.00	.500	300	N	N	N	10	1,500	1.5
BUN5617R	46 4 15	112 42 55	1.50	.10	<.05	.100	30	200.0	200	N	N	300	2.0
BUN5618R	46 4 15	112 42 55	1.50	.07	<.05	.100	30	50.0	700	N	N	200	1.5
BUN57580	46 14 32	112 32 24	>20.00	.70	2.00	.030	300	<.5	N	N	1,500	150	1.5
BUN57600	46 14 32	112 32 24	5.00	.70	.05	.500	150	30.0	1,500	N	>2,000	1,000	1.5
DRL3573R	46 28 33	112 36 42	3.00	.07	.10	.003	1,000	N	N	N	70	200	<1.0
DRL8899R	46 22 37	112 34 45	7.00	3.00	7.00	.300	2,000	N	N	N	30	1,500	<1.0
DRL9800R	46 22 37	112 34 45	5.00	1.50	2.00	.300	3,000	1.0	5,000	<10	200	300	<1.0
DRL9801R	46 23 15	112 35 2	3.00	3.00	3.00	.500	1,500	<.5	N	N	N	700	1.0
DRL9802R	46 23 15	112 35 2	5.00	.30	.15	.300	300	5.0	1,000	N	100	70	1.0
DRL9803R	46 23 15	112 35 2	3.00	.02	<.05	.010	100	50.0	>10,000	N	N	20	1.0
DRL9804R	46 23 15	112 35 2	5.00	5.00	3.00	.500	1,500	.7	N	N	N	1,000	<1.0
DRL9805R	46 22 37	112 34 45	5.00	3.00	3.00	.500	1,500	<.5	N	N	N	700	1.5
E0012A	46 16 25	112 59 15	3.00	2.00	3.00	.300	1,000	N	N	N	20	1,000	1.5
E0012C	46 16 25	112 59 15	.30	.10	.50	.020	200	N	N	N	N	<20	5.0
E0013A	46 16 35	112 58 2	.50	.20	1.00	.070	1,000	N	N	N	N	700	3.0
E0015A	46 16 50	112 59 22	.20	.07	.70	.020	500	N	N	N	N	<20	3.0
E0017A	46 18 0	112 58 50	.70	.50	1.00	.150	150	15.0	N	N	N	100	2.0
E0017B	46 18 0	112 58 50	3.00	.30	1.00	.100	30	2.0	N	N	20	150	7.0
E0017C	46 18 0	112 58 50	.70	.50	.30	.700	70	30.0	N	N	N	100	3.0
E0017D	46 18 0	112 58 50	5.00	.50	.10	.200	50	1.0	N	N	15	500	15.0
E0018A	46 18 24	112 58 58	10.00	7.00	7.00	.700	1,500	N	N	N	N	150	1.5
E0018B	46 18 24	112 58 58	.15	.07	.30	.007	1,500	N	N	N	N	70	7.0
E0018C	46 18 24	112 58 58	7.00	5.00	20.00	.020	5,000	N	N	N	N	<20	50.0
E0018D	46 18 24	112 58 58	15.00	3.00	10.00	.020	2,000	1.0	N	N	N	30	<1.0
E0018E	46 18 24	112 58 58	5.00	.07	.05	.015	50	7.0	N	N	<10	30	1.5
E0031A	46 24 15	112 30 35	2.00	2.00	1.50	.300	1,500	N	N	N	20	500	2.0
E0031B	46 24 15	112 30 35	10.00	1.00	.20	.300	700	N	N	N	50	2,000	1.5
E0043A	46 19 8	112 55 10	1.00	1.00	1.50	.150	500	N	N	N	N	1,500	2.0
E0106A	46 19 5	112 59 55	15.00	5.00	7.00	.700	1,500	N	N	N	N	300	N
E0106B	46 19 5	112 59 55	.30	.10	.30	.030	2,000	<.5	N	N	N	20	3.0
E0107A	46 21 15	112 59 25	1.50	.30	1.50	.070	700	N	N	N	N	1,500	3.0
E0189A	46 12 13	112 59 58	1.00	.02	.20	.015	300	N	N	N	N	N	2.0
E0192A	46 12 5	112 59 30	.70	.03	<.05	.030	300	<.5	N	N	<10	100	2.0
E0194A	46 12 3	112 59 13	1.50	.07	.30	.100	300	N	N	N	<10	200	3.0
E0195A	46 11 55	112 59 5	1.50	.15	.50	.100	200	N	N	N	N	300	1.5
E0205A	46 10 55	112 59 50	1.00	.02	.05	.020	70	<.5	200	N	10	100	1.5
E0205B	46 10 55	112 59 50	.70	.10	.30	.500	20	1.0	N	N	70	500	2.0
E0208A	46 11 30	112 59 45	.70	.02	.20	.030	300	N	N	N	N	<20	3.0
E0209A	46 11 35	112 59 25	.30	<.02	.20	.020	30	N	N	N	N	30	2.0
E0210A	46 11 55	112 58 35	5.00	2.00	1.50	.300	2,000	10.0	N	N	N	500	3.0
E0210B	46 11 55	112 58 35	15.00	2.00	7.00	.005	500	300.0	700	N	N	N	<1.0
E0210C	46 11 55	112 58 35	15.00	3.00	1.50	.007	300	5.0	N	N	N	N	1.5

LATITUDE 46°00'-46°30' LONGITUDE 112°30'-113°00'

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	S-Y
AN2102R	N	N	7	50	20	50	N	N	20	70	N	5	N	500	50	N	15
AN2103R	N	N	7	70	30	50	N	N	30	70	N	5	N	1,000	50	N	10
AN2104R	N	N	10	150	20	50	N	N	50	30	N	10	N	700	100	N	15
BUN5617R	N	N	5	70	20	<20	N	N	15	20	<100	<5	N	<100	30	N	N
BUN5618R	N	N	5	70	30	<20	N	N	20	50	<100	5	N	100	30	N	10
BUN57580	N	N	100	15	20	<20	N	N	30	30	N	<5	N	<100	20	N	20
BUN57600	15	N	5	10	50	50	15	<20	<5	5,000	N	10	20	N	150	<50	50
DRL3573R	N	N	5	30	10	<20	10	N	20	<10	N	10	N	N	100	N	N
DRL8899R	N	N	10	100	15	20	N	N	15	30	N	20	N	500	200	N	20
DRL9800R	N	N	10	70	20	20	N	N	10	100	N	15	N	N	150	N	15
DRL9801R	N	N	10	70	100	30	5	N	15	30	N	20	N	500	150	N	20
DRL9802R	N	200	10	50	300	<20	N	N	7	3,000	N	10	30	N	100	N	<10
DRL9803R	<10	N	<5	10	30	<20	N	N	5	7,000	500	N	N	N	10	N	N
DRL9804R	N	N	10	150	30	30	70	N	30	150	N	20	N	500	150	N	20
DRL9805R	N	N	15	100	30	30	N	N	30	70	N	20	N	500	200	N	20
E0012A	N	N	10	30	30	30	N	N	10	30	N	15	N	700	100	N	20
E0012C	N	N	<5	10	<5	<20	N	20	<5	30	N	<5	N	N	<10	N	<10
E0013A	N	N	N	10	<5	30	N	<20	<5	30	N	<5	N	500	10	N	10
E0015A	N	N	N	10	<5	<20	N	20	<5	30	N	<5	N	100	<10	N	20
E0017A	N	N	5	30	300	30	10	N	30	1,000	N	<5	N	N	100	N	<10
E0017B	N	N	<5	30	500	30	10	<20	70	1,000	N	5	N	N	200	50	15
E0017C	50	N	<5	20	3,000	20	N	N	15	1,500	N	N	N	N	30	N	N
E0017D	10	N	10	70	15	20	20	N	100	700	N	7	N	N	200	100	20
E0018A	N	N	30	500	50	20	N	N	30	50	N	70	N	300	300	N	50
E0018B	N	N	N	10	15	<20	N	20	<5	20	N	N	N	N	<10	N	N
E0018C	10	N	10	10	50	20	N	N	5	10	N	N	N	100	100	N	N
E0018D	N	N	15	<10	1,500	20	N	N	30	10	N	N	N	N	100	N	N
E0018E	15	N	5	<10	30	<20	7	N	5	50	N	N	N	N	150	150	N
E0031A	N	N	7	50	10	30	N	N	10	<10	N	7	N	<100	70	N	30
E0031B	N	N	20	70	500	20	N	N	20	<10	N	7	N	<100	150	N	50
E0043A	N	N	5	15	<5	20	N	N	7	30	N	<5	N	700	30	N	<10
E0106A	N	N	30	15	50	N	N	N	5	10	N	30	N	700	300	N	20
E0106B	N	N	N	N	<5	50	N	20	<5	20	N	<5	N	<100	<10	N	20
E0107A	N	N	N	<10	<5	<20	N	N	<5	30	N	<5	N	1,000	15	N	<10
E0189A	N	N	N	N	<5	<20	N	30	5	100	N	<5	<10	N	<10	N	150
E0192A	N	N	N	<10	<5	<20	N	<20	5	30	N	<5	N	N	<10	N	<10
E0194A	N	N	N	N	<5	70	N	<20	<5	50	N	N	N	<100	<10	N	30
E0195A	N	N	N	N	<5	100	N	N	5	50	N	N	N	<100	<10	N	20
E0205A	N	N	5	15	15	20	N	N	15	10	N	5	N	200	50	N	N
E0205B	N	N	5	50	30	20	N	20	15	15	N	7	N	500	70	N	20
E0208A	N	N	N	<10	<5	20	20	30	<5	70	N	N	15	N	<10	N	70
E0209A	N	N	N	<10	7	<20	N	50	<5	30	N	N	N	N	<10	N	50
E0210A	15	N	5	70	150	70	N	N	20	2,000	N	10	50	N	70	N	70
E0210B	1,000	N	N	10	3,000	<20	N	N	<5	7,000	N	N	N	N	<10	N	N
E0210C	10	N	N	10	1,000	<20	N	N	<5	50	N	N	N	N	<10	N	N

LATITUDE 46°00'-46°30' LONGITUDE 112°30'-113°00'

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

SAMPLE	S-ZN	S-ZR	S-TH	AA-AU	AA-CU	AA-PB	AA-ZN	AA-AG	AA-CD	AA-BI	AA-SB
AN2102R	N	100	N	--	9	6	24	.09	.60	1	<1
AN2103R	N	100	N	--	14	12	30	.05	.75	1	<1
AN2104R	N	150	N	--	9	5	12	.05	.33	1	<1
BUN5617R	N	50	N	--	1	<1	2	150.00	<.05	<1	6
BUN5618R	N	50	N	--	1	10	2	100.00	<.05	<1	4
BUN57580	N	10	N	--	<1	9	11	.14	.05	8	N
BUN57600	200	300	N	--	48	>5,000	200	16.60	.60	26	6
DRL3573R	N	150	N	--	2	1	3	<.05	.10	<1	N
DRL8899R	N	70	N	--	2	3	45	<.05	.35	<1	<1
DRL9800R	N	70	N	--	<1	50	15	.16	.10	<1	1
DRL9801R	N	150	N	--	6	<1	40	.16	.75	<1	<1
DRL9802R	>10,000	70	N	--	3	1,500	140	1.85	2.20	<1	6
DRL9803R	5,000	<10	N	--	6	>5,000	65	65.00	1.20	2	250
DRL9804R	<200	150	N	--	7	40	65	.20	2.30	<1	2
DRL9805R	<200	150	N	--	2	70	140	.12	1.20	<1	13
E0012A	N	50	N	<.05	--	--	--	--	--	--	--
E0012C	N	10	N	<.05	--	--	--	--	--	--	--
E0013A	N	50	N	<.05	--	--	--	--	--	--	--
E0015A	N	10	N	<.05	--	--	--	--	--	--	--
E0017A	3,000	50	N	<.05	--	--	--	--	--	--	--
E0017B	3,000	100	N	<.05	--	--	--	--	--	--	--
E0017C	3,000	30	N	.08	--	--	--	--	--	--	--
E0017D	1,500	100	N	<.05	--	--	--	--	--	--	--
E0018A	N	30	N	<.05	--	--	--	--	--	--	--
E0018B	N	20	N	<.05	--	--	--	--	--	--	--
E0018C	700	<10	N	<.05	--	--	--	--	--	--	--
E0018D	N	<10	N	<.05	--	--	--	--	--	--	--
E0018E	N	<10	N	<.05	--	--	--	--	--	--	--
E0031A	N	300	N	<.05	--	--	--	--	--	--	--
E0031B	N	200	N	.10	--	--	--	--	--	--	--
E0043A	N	100	N	<.05	--	--	--	--	--	--	--
E0106A	N	<10	N	<.05	--	--	--	--	--	--	--
E0106B	N	15	N	<.05	--	--	--	--	--	--	--
E0107A	N	150	N	<.05	--	--	--	--	--	--	--
E0189A	N	150	N	<.05	--	--	--	--	--	--	--
E0192A	N	100	N	<.05	--	--	--	--	--	--	--
E0194A	N	150	N	<.05	--	--	--	--	--	--	--
E0195A	N	30	N	<.05	--	--	--	--	--	--	--
E0205A	N	30	N	<.05	--	--	--	--	--	--	--
E0205B	N	200	N	<.05	--	--	--	--	--	--	--
E0208A	N	100	N	<.05	--	--	--	--	--	--	--
E0209A	N	70	N	<.05	--	--	--	--	--	--	--
E0210A	700	300	N	<.05	--	--	--	--	--	--	--
E0210B	1,000	N	N	<.05	--	--	--	--	--	--	--
E0210C	N	N	N	--	--	--	--	--	--	--	--

LATITUDE 46°00'-46°30' LONGITUDE 112°30'-113°00'

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
MP2010R	46 21 0	112 58 46	3.00	.20	.05	.070	150	3.0	N	N	15	700	3.0
MP2011R	46 21 0	112 58 46	1.00	.20	1.00	.100	1,000	N	N	N	N	700	3.0
MP2012R	46 21 0	112 58 46	1.00	.10	.05	.010	50	3.0	N	N	10	70	2.0
MP2013R	46 20 55	112 58 21	3.00	7.00	7.00	.500	1,000	N	N	N	15	700	1.5
MP2014R	46 20 59	112 57 53	3.00	7.00	10.00	.700	3,000	N	N	N	10	300	10.0
MP2015R	46 21 2	112 57 46	2.00	5.00	20.00	.300	500	N	N	N	30	100	10.0
MP2016R	46 21 27	112 57 6	3.00	1.50	5.00	.300	700	N	N	N	N	1,000	1.5
MP2017R	46 21 27	112 56 29	2.00	7.00	10.00	.300	700	N	N	N	15	1,500	2.0
MP2018R	46 21 27	112 56 13	3.00	7.00	7.00	.300	500	N	N	N	20	1,000	1.5
MP2019R	46 21 21	112 55 58	2.00	1.00	1.00	.200	300	N	N	N	15	1,500	2.0
MP2020R	46 21 10	112 55 14	1.50	.30	.70	.100	300	N	N	N	N	500	2.0
MP2021R	46 21 3	112 54 25	1.50	.70	.10	.150	500	N	N	N	70	1,000	1.5
MP2478R	46 21 9	112 58 54	5.00	7.00	5.00	.700	1,000	N	N	N	10	1,000	1.5
MP2479R	46 21 17	112 58 57	2.00	.50	1.50	.500	1,500	N	N	N	<10	1,000	5.0
MP2480R	46 21 46	112 58 26	1.00	.20	1.00	.100	1,500	N	N	N	15	1,000	3.0
MP2481R	46 21 46	112 58 26	3.00	.10	.05	.050	70	70.0	N	N	20	500	2.0
MP2482R	46 21 46	112 58 26	1.00	.20	.20	.070	200	.5	N	N	30	1,000	3.0
MP6328R	46 20 35	112 58 33	2.00	.70	.70	.150	300	N	N	N	30	1,000	1.5
MP6329R	46 20 11	112 58 31	1.50	.70	.30	.300	300	N	N	N	30	1,000	2.0
MP6837R	46 21 32	112 59 54	.30	.10	.30	.030	200	N	N	N	N	200	1.5
MP6838R	46 21 49	112 59 44	.05	.07	N	.015	50	N	N	N	N	100	<1.0
MP6839R	46 21 56	112 59 42	.20	.15	N	.070	20	N	N	N	N	150	<1.0
MP6840R	46 22 23	112 59 15	.05	.07	N	.015	<10	N	N	N	N	100	N
ROC6256R	46 26 38	112 58 30	<.05	.10	10.00	N	30	N	N	N	N	<20	N
ROC6257R	46 25 50	112 59 38	3.00	1.00	5.00	.300	700	N	N	N	<10	1,500	1.5
ROC6262R	46 24 50	112 59 25	7.00	.70	<.05	.150	200	N	N	N	20	1,500	3.0
ROC6263R	46 25 7	112 58 5	2.00	.30	<.05	.070	150	5.0	N	N	10	300	5.0
ROC6810R	46 26 22	112 58 55	1.50	.50	2.00	.100	500	N	N	N	N	500	<1.0
ROC6811R	46 26 19	112 58 57	.05	<.02	<.05	.005	<10	N	N	N	N	30	N
ROC6818R	46 24 50	112 59 36	1.00	.20	1.00	.150	300	N	N	N	N	300	<1.0
ROC6819R	46 25 1	112 58 46	1.00	.30	1.50	.100	300	N	N	N	N	500	<1.0
ROC6841R	46 22 37	112 59 0	5.00	2.00	2.00	1.000	700	N	N	N	N	500	<1.0
ROC6842R	46 22 43	112 58 56	.10	.15	<.05	.030	10	N	N	N	N	150	<1.0

LATITUDE 46°00'-46°30' LONGITUDE 112°30'-113°00'

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

SAMPLE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y
MP2010R	N	N	N	<10	30	N	5	<20	7	30	N	<5	N	300	15	N	N
MP2011R	N	N	N	10	<5	20	N	N	5	50	N	<5	N	1,000	15	N	15
MP2012R	15	N	5	<10	10	N	20	N	5	30	N	<5	N	N	10	N	10
MP2013R	N	N	10	50	15	50	N	N	20	20	N	10	N	100	70	N	30
MP2014R	N	N	10	70	<5	50	N	<20	30	20	N	10	N	200	70	<50	30
MP2015R	10	N	7	50	<5	30	N	N	10	20	N	7	N	150	30	N	20
MP2016R	N	N	5	10	30	50	5	N	<5	30	N	7	N	1,000	70	N	20
MP2017R	N	N	7	70	15	30	N	<20	20	20	N	10	N	150	50	N	30
MP2018R	N	N	7	50	20	50	<5	<20	20	30	N	10	N	<100	70	N	30
MP2019R	N	N	7	50	<5	70	N	N	20	50	N	5	N	1,000	50	N	10
MP2020R	N	N	<5	10	<5	20	N	<20	5	50	N	<5	N	500	20	N	30
MP2021R	N	N	5	30	<5	30	N	N	10	15	N	5	N	<100	30	N	30
MP2478R	N	N	20	300	20	30	N	N	150	20	N	15	N	700	100	N	20
MP2479R	N	N	<5	10	<5	50	N	20	5	50	N	5	N	1,000	30	N	15
MP2480R	N	N	N	10	<5	20	N	20	5	30	N	<5	N	700	10	N	10
MP2481R	150	N	<5	<10	5	<20	N	<20	5	150	N	N	N	<100	15	N	N
MP2482R	N	N	N	10	<5	<20	N	<20	5	30	N	<5	N	700	15	N	<10
MP6328R	N	N	7	70	<5	50	N	N	15	30	N	5	N	700	30	N	10
MP6329R	N	N	7	50	5	50	N	N	10	70	N	5	N	500	50	N	10
MP6837R	N	N	<5	N	<5	<20	N	N	<5	20	N	N	N	300	<10	N	N
MP6838R	N	N	<5	N	<5	<20	N	N	<5	<10	N	N	N	N	<10	N	N
MP6839R	N	N	<5	N	<5	<20	N	N	<5	<10	N	N	N	N	<10	N	N
MP6840R	N	N	N	N	N	N	N	N	<5	<10	N	N	N	N	<10	N	N
ROC6256R	N	N	N	N	<5	<20	N	N	N	50	N	N	N	N	10	N	N
ROC6257R	N	N	5	N	<5	70	N	<20	5	30	N	7	N	1,000	70	N	20
ROC6262R	70	N	N	<10	10	50	7	N	<5	30	N	5	N	200	70	N	20
ROC6263R	500	N	5	N	7	N	5	N	7	70	N	<5	N	N	50	N	N
ROC6810R	N	N	<5	<10	<5	30	N	N	<5	30	N	<5	N	500	15	N	15
ROC6811R	N	N	N	<10	N	N	N	N	<5	N	N	N	N	N	<10	N	N
ROC6818R	N	N	<5	N	5	70	N	N	<5	30	N	N	10	300	20	N	15
ROC6819R	N	N	<5	<10	<5	<20	N	N	<5	30	N	N	10	500	20	N	10
ROC6841R	N	N	20	70	30	N	N	N	70	15	N	10	N	500	100	N	15
ROC6842R	N	N	<5	N	<5	N	N	N	<5	15	N	N	N	N	<10	N	N

CHAPTER H

LATITUDE 46°00'-46°30' LONGITUDE 112°30'-113°00'

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

SAMPLE	S-ZN	S-ZR	S-TH	AA-AU	AA-CU	AA-PB	AA-ZN	AA-AG	AA-CD	AA-BI	AA-SB
MP2010R	N	70	N	--	6	9	N	3.85	15.00	1	1
MP2011R	N	70	N	--	2	6	35	<.05	18.00	N	N
MP2012R	N	10	N	--	3	10	13	1.65	.10	4	N
MP2013R	N	200	N	--	3	4	10	.07	.10	1	N
MP2014R	N	300	N	--	2	4	91	.09	.30	1	N
MP2015R	N	150	N	--	2	5	13	<.05	.20	N	N
MP2016R	N	200	N	--	16	3	5	.05	<.05	N	N
MP2017R	N	200	N	--	5	5	2	.05	<.05	N	N
MP2018R	N	300	N	--	8	6	4	.05	.06	N	N
MP2019R	N	100	N	--	2	8	3	.06	<.05	N	N
MP2020R	N	100	N	--	2	4	2	<.05	100.00	N	N
MP2021R	N	200	N	--	2	3	<1	<.05	100.00	N	N
MP2478R	N	100	N	--	16	8	6	.17	.22	N	N
MP2479R	N	150	N	--	4	2	4	.10	.11	N	N
MP2480R	N	100	N	--	3	2	2	.11	.10	N	N
MP2481R	N	30	N	--	1	44	2	28.00	.07	58	N
MP2482R	N	100	N	--	N	4	1	.08	.06	N	N
MP6328R	N	50	N	--	1	11	6	<.05	.25	<1	2
MP6329R	N	100	N	--	2	29	10	.06	.30	<1	2
MP6837R	N	50	N	--	<1	3	3	<.05	.10	2	N
MP6838R	N	20	N	--	<1	1	<1	<.05	<.05	2	N
MP6839R	N	100	N	--	<1	1	<1	<.05	<.05	2	N
MP6840R	N	20	N	--	<1	1	<1	<.05	<.05	2	N
ROC6256R	N	N	N	--	<1	1	2	<.05	.50	1	N
ROC6257R	N	150	N	--	1	4	3	<.05	.10	<1	N
ROC6262R	N	150	N	--	26	4	52	.09	.40	1	1
ROC6263R	N	70	N	--	1	13	1	2.46	.10	<1	1
ROC6810R	N	70	N	--	<1	2	4	<.05	.10	2	N
ROC6811R	N	N	N	--	<1	<1	<1	<.05	<.05	2	N
ROC6818R	N	70	N	--	1	2	3	<.05	<.05	2	N
ROC6819R	N	70	N	--	<1	2	3	<.05	.05	2	N
ROC6841R	N	100	N	--	25	4	13	<.05	.45	2	N
ROC6842R	N	70	N	--	<1	1	<1	<.05	<.05	2	N

LATITUDE 46°00'-46°30' LONGITUDE 112°30'-113°00'

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

Sample	LATITUDE	LONGITUD	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE	S-BI
AN1178P	46 3 21	112 57 24	3.0	1.50	3.0	.700	1,000	N	N	N	N	500	2	N
AN1180P	46 4 1	112 55 2	5.0	3.00	3.0	.700	1,500	N	N	N	N	300	<2	N
AN1182P	46 4 23	112 52 57	30.0	.70	1.5	1.000	1,000	N	N	N	N	300	N	N
AN1186P	46 0 27	112 49 25	1.0	.70	2.0	.200	700	N	N	N	N	300	3	N
AN1188P	46 0 48	112 47 31	7.0	1.50	3.0	.700	1,500	N	N	N	20	300	2	N
AN1190P	46 2 32	112 58 36	3.0	1.50	3.0	.300	700	N	N	N	N	500	2	N
AN1192P	46 5 7	112 55 23	30.0	1.50	3.0	1.000	1,500	N	N	N	N	100	N	N
AN1194P	46 2 22	112 46 28	15.0	1.00	2.0	.500	7,000	N	N	N	N	2,000	<2	N
AN1196P	46 13 0	112 51 40	10.0	.30	1.5	.500	1,500	N	N	N	20	500	3	N
AN1198P	46 14 40	112 54 35	5.0	.20	.7	.200	300	N	N	N	70	700	2	N
AN2100P	46 2 38	112 54 21	5.0	3.00	3.0	.500	1,000	N	N	N	N	300	2	N
AN2106P	46 0 32	112 53 22	.7	.20	2.0	.200	300	N	N	N	N	300	3	N
AN2108P	46 0 48	112 53 59	2.0	.50	.7	.300	700	N	N	N	30	500	2	N
AN2110P	46 1 9	112 54 10	7.0	1.50	2.0	1.000	2,000	N	N	N	150	300	<2	N
AN2112P	46 1 29	112 54 53	3.0	1.50	2.0	.300	700	N	N	N	N	500	2	N
AN2114P	46 1 34	112 54 59	3.0	1.00	3.0	.500	700	N	N	N	N	500	2	N
AN3643P	46 10 38	112 53 47	1.0	.50	3.0	.150	300	N	N	N	N	1,000	3	N
AN3646P	46 11 27	112 53 52	2.0	.70	5.0	.200	500	N	N	N	<20	3,000	3	N
AN3648P	46 12 33	112 53 38	2.0	.50	5.0	.150	500	N	N	N	N	2,000	3	N
AN3650P	46 12 51	112 56 51	5.0	.70	2.0	.300	500	N	N	N	50	2,000	3	N
AN3652P	46 13 21	112 53 50	15.0	.70	1.5	.700	2,000	N	N	N	70	700	3	N
AN3654P	46 13 3	112 58 15	7.0	1.50	2.0	1.000	1,000	N	N	N	70	1,000	2	N
AN3656P	46 12 33	112 58 43	7.0	2.00	1.0	.700	1,000	N	N	N	150	700	2	N
AN3658P	46 11 53	112 58 14	15.0	5.00	5.0	1.000	1,500	1.5	N	N	70	700	5	500
AN3660P	46 11 33	112 58 27	20.0	3.00	5.0	>2.000	5,000	N	N	N	20	700	5	N
AN3662P	46 10 31	112 56 54	7.0	1.00	2.0	2.000	2,000	N	N	N	70	1,000	3	N
AN3664P	46 10 26	112 55 56	7.0	.70	1.0	.700	700	N	N	N	150	2,000	3	N
AN3666P	46 10 0	112 56 48	5.0	.70	1.5	.500	700	N	N	N	150	2,000	3	N
AN3668P	46 9 53	112 56 48	5.0	1.50	1.5	.700	500	N	N	N	150	1,500	3	N
AN3670P	46 9 53	112 56 48	2.0	.70	2.0	.300	500	<1.0	N	N	70	700	3	N
AN3672P	46 9 33	112 56 2	3.0	.70	1.0	.300	700	N	N	N	30	700	3	N
AN3674P	46 9 29	112 54 30	7.0	1.00	5.0	1.500	1,500	5.0	N	N	20	700	3	N
AN3683P	46 6 48	112 55 10	3.0	1.00	5.0	.200	700	1.5	N	N	N	1,000	3	N
AN3685P	46 6 41	112 57 36	5.0	1.50	.7	.500	1,000	N	N	N	300	1,500	2	N
AN3687P	46 6 25	112 58 36	2.0	.15	.2	.300	200	N	N	N	70	500	<2	N
AN3689P	46 6 51	112 59 29	3.0	.15	.7	.500	1,000	N	N	N	20	1,500	5	N
AN3691P	46 7 32	112 59 47	1.5	.50	1.0	.500	500	N	N	N	50	700	3	N
AN3747P	46 13 31	112 58 7	7.0	1.50	2.0	.700	1,000	N	N	N	100	1,000	3	N
AN3749P	46 14 8	112 55 35	7.0	.70	.2	.300	700	N	N	N	100	700	2	N
AN5627P	46 6 30	112 45 10	3.0	1.50	3.0	.500	1,500	N	N	N	N	700	3	N
AN5704P	46 10 8	112 45 14	50.0	.50	1.5	1.500	1,500	N	N	N	N	100	N	N
AN5706P	46 10 3	112 45 14	10.0	.70	2.0	1.000	1,000	N	N	N	<20	500	2	N
AN6266P	46 1 51	112 59 0	30.0	.30	.5	>2.000	1,500	N	N	N	N	150	N	N
AN6268P	46 3 34	112 58 27	2.0	.70	5.0	.200	300	N	N	N	N	1,000	3	N
AN6937P	46 0 59	112 58 44	20.0	1.50	3.0	>2.000	2,000	N	N	N	N	500	N	N

LATITUDE 46°00'-46°30' LONGITUDE 112°30'-113°00'

TABLE 2.PAN-CONCENTRATE 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
AN1178P	N	15	150	30	1,000	N	N	50	50	N	15	N	1,000	100	N	50
AN1180P	N	10	200	70	1,500	N	N	50	70	N	N	N	700	150	N	200
AN1182P	N	20	300	100	300	N	N	30	50	N	<10	N	300	1,500	N	200
AN1186P	N	N	70	<10	150	N	N	15	20	N	<10	N	1,000	50	N	30
AN1188P	N	10	100	70	70	N	N	15	20	N	15	N	700	300	N	50
AN1190P	N	<10	150	15	700	N	N	20	30	N	10	N	1,500	100	N	50
AN1192P	N	15	300	150	300	N	N	15	50	N	<10	N	N	1,500	N	70
AN1194P	N	30	150	70	200	N	<50	70	100	N	10	N	700	500	N	70
AN1196P	N	15	70	70	150	N	<50	10	70	N	<10	N	N	300	N	50
AN1198P	N	N	30	30	100	N	N	10	50	N	N	N	200	150	N	50
AN2100P	N	15	200	30	500	N	N	50	30	N	15	N	1,000	150	N	30
AN2106P	N	N	30	<10	200	N	N	10	30	N	N	N	1,000	30	N	<20
AN2108P	N	N	100	15	70	N	N	10	30	N	<10	N	<200	70	N	20
AN2110P	N	10	200	70	1,500	N	<50	10	70	N	<10	N	300	200	N	200
AN2112P	N	10	150	10	700	N	<50	30	30	N	15	N	700	150	N	50
AN2114P	N	10	100	30	1,000	N	N	30	50	N	10	N	1,000	100	N	50
AN3643P	N	10	50	30	100	N	N	20	70	N	<10	N	1,500	30	N	N
AN3646P	N	<10	30	50	1,000	N	N	15	100	N	<10	N	2,000	70	N	<20
AN3648P	N	<10	20	15	300	N	N	10	70	N	N	N	2,000	50	N	N
AN3650P	N	10	50	10	100	N	N	15	50	N	10	N	1,000	150	N	30
AN3652P	N	15	100	100	150	N	<50	10	70	N	10	N	700	500	N	50
AN3654P	N	30	70	50	100	N	N	30	70	N	10	N	500	200	N	50
AN3656P	N	20	100	70	500	N	<50	50	70	N	10	N	N	200	N	100
AN3658P	N	50	70	150	150	<10	<50	70	500	N	15	N	200	300	<100	100
AN3660P	N	30	50	100	200	N	<50	30	70	N	15	N	<200	500	N	100
AN3662P	N	10	30	20	200	N	N	10	50	N	<10	N	700	150	N	70
AN3664P	N	15	200	100	100	N	N	10	100	N	10	100	700	150	N	30
AN3666P	N	10	70	70	150	N	N	15	70	N	10	N	700	150	N	30
AN3668P	N	15	70	70	100	N	N	20	70	N	10	N	700	200	N	20
AN3670P	N	<10	30	70	100	N	N	15	70	N	10	N	700	70	N	20
AN3672P	N	10	50	150	50	N	N	20	70	N	<10	N	700	100	N	30
AN3674P	N	15	70	1,000	700	N	N	20	100	N	10	N	1,000	200	150	70
AN3683P	N	10	100	1,000	50	N	N	50	100	N	<10	N	2,000	100	N	N
AN3685P	N	15	100	70	<50	N	N	50	30	N	10	N	<200	150	N	30
AN3687P	N	<10	50	15	<50	N	N	30	30	N	N	N	<200	30	N	20
AN3689P	N	<10	50	30	70	N	N	30	50	N	N	N	700	50	N	50
AN3691P	N	N	50	<10	50	N	N	20	20	N	<10	N	300	30	N	<20
AN3747P	N	15	50	30	70	N	N	30	50	N	10	N	500	150	N	30
AN3749P	N	15	50	15	50	N	N	20	20	N	<10	N	N	150	N	20
AN5627P	N	10	70	10	50	N	N	15	50	N	15	N	500	100	N	30
AN5704P	N	30	200	70	100	N	<50	20	30	N	N	N	N	2,000	N	100
AN5706P	N	15	100	50	150	N	50	<10	50	N	10	N	200	500	N	100
AN6266P	N	20	200	200	2,000	N	50	<10	70	N	<10	50	N	500	N	300
AN6268P	N	10	50	50	300	N	N	15	200	N	N	N	2,000	70	N	<20
AN6937P	N	15	150	70	>2,000	N	N	30	100	N	30	N	1,000	300	N	150

LATITUDE 46°00'-46°30' LONGITUDE 112°30'-113°00'

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

Sample	S-ZN	S-ZR	S-TH	AA-AU-P
AN1178P	N	300	N	<.05
AN1180P	N	>2,000	N	.08
AN1182P	N	>2,000	300	<.05
AN1186P	N	700	N	<.05
AN1188P	N	700	N	7.10
AN1190P	N	500	N	.05
AN1192P	N	1,000	N	1.35
AN1194P	N	500	N	.10
AN1196P	N	700	N	<.05
AN1198P	N	700	N	1.50
AN2100P	N	1,000	N	<.05
AN2106P	N	100	N	<.05
AN2108P	N	700	N	<.05
AN2110P	N	>2,000	N	<.05
AN2112P	N	1,000	N	<.05
AN2114P	N	700	N	<.05
AN3643P	N	150	N	<.05
AN3646P	N	300	N	<.05
AN3648P	N	300	N	.25
AN3650P	N	300	N	<.05
AN3652P	N	>2,000	N	2.44
AN3654P	N	1,500	N	<.05
AN3656P	N	700	N	<.05
AN3658P	N	500	N	<.05
AN3660P	N	500	N	<.05
AN3662P	N	500	N	<.05
AN3664P	N	>2,000	N	.46
AN3666P	N	1,500	N	<.05
AN3668P	N	2,000	N	<.05
AN3670P	N	700	N	<.05
AN3672P	N	700	N	<.05
AN3674P	N	2,000	N	.11
AN3683P	N	100	N	<.05
AN3685P	N	300	N	<.05
AN3687P	N	700	N	<.05
AN3689P	N	700	N	<.05
AN3691P	N	700	N	<.05
AN3747P	N	300	N	<.05
AN3749P	N	500	N	<.05
AN5627P	N	50	N	<.05
AN5704P	N	>2,000	N	<.05
AN5706P	N	700	N	.05
AN6266P	N	>2,000	<200	<.05
AN6268P	N	300	N	<.05
AN6937P	N	1,500	N	<.05

LATITUDE 46°00'-46°30' LONGITUDE 112°30'-113°00'

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

Sample	LATITUDE	LONGITUD	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE	S-BI
AN6939P	46 3 18	112 58 51	50.0	.70	1.5	>2.000	2,000	N	N	N	<20	200	N	N
AN6955P	46 3 24	112 59 7	5.0	.50	5.0	.700	3,000	N	N	N	N	500	<2	N
AN6957P	46 2 57	112 53 55	30.0	3.00	5.0	2.000	3,000	N	N	N	N	300	N	N
AN6959P	46 2 48	112 50 47	30.0	2.00	5.0	1.500	2,000	N	N	N	N	150	N	N
AN6963P	46 2 5	112 49 30	.7	.50	3.0	1.000	500	N	N	N	N	300	<2	N
AN6965P	46 5 7	112 55 16	5.0	1.50	5.0	.500	700	N	N	N	N	2,000	2	N
AN6967P	46 0 54	112 46 22	7.0	3.00	5.0	.700	10,000	N	N	N	N	3,000	2	N
AN6969P	46 14 33	112 51 0	10.0	.50	2.0	1.000	2,000	N	N	N	50	1,000	<2	N
AN6974P	46 13 43	112 51 37	30.0	1.00	2.0	2.000	2,000	N	N	N	150	500	<2	<20
AN6976P	46 12 12	112 54 33	1.0	.50	1.5	.150	300	N	N	N	N	1,000	2	N
AN6978P	46 12 33	112 55 11	3.0	.50	2.0	.200	700	N	N	N	<20	3,000	3	N
AN6986P	46 4 47	112 58 56	5.0	.15	.5	.500	1,500	N	N	N	N	700	5	N
AN7818P	46 3 9	112 45 7	50.0	.70	1.5	1.000	3,000	N	N	N	N	3,000	N	N
BUN4773P	46 6 29	112 33 45	7.0	3.00	5.0	.500	2,000	N	N	N	N	700	3	N
BUN4775P	46 6 30	112 33 50	.7	1.50	3.0	.200	1,000	N	N	N	N	300	2	N
BUN4779P	46 5 18	112 35 3	.7	1.00	3.0	.300	700	N	N	N	N	700	3	N
BUN4780P	46 5 39	112 35 50	1.0	.30	3.0	.300	1,000	N	N	N	N	1,000	2	N
BUN4782P	46 3 27	112 37 8	.7	.50	3.0	.200	300	N	N	N	N	1,500	3	N
BUN4784P	46 4 42	112 37 12	.7	.70	2.0	.150	300	N	N	N	20	1,000	3	N
BUN4787P	46 6 17	112 40 13	3.0	2.00	3.0	.200	700	N	N	N	N	700	3	N
BUN4792P	46 6 11	112 37 15	.7	.30	3.0	.150	500	N	N	N	N	300	3	N
BUN4794P	46 7 29	112 43 24	30.0	.70	.7	.300	700	N	N	N	N	70	N	N
BUN4796P	46 7 35	112 43 20	50.0	.30	2.0	.700	1,000	N	N	N	N	2,000	N	N
BUN4798P	46 7 52	112 43 31	15.0	.50	2.0	.500	1,000	N	N	N	N	500	<2	N
BUN5613P	46 3 42	112 44 4	15.0	.70	2.0	.500	1,000	N	N	N	N	700	<2	N
BUN5615P	46 3 52	112 44 43	20.0	.70	2.0	.700	700	N	N	N	N	500	<2	N
BUN5619P	46 5 14	112 41 52	1.0	.20	2.0	.200	300	N	N	N	N	1,000	3	N
BUN5621P	46 5 14	112 41 45	1.0	.20	1.0	.200	700	N	N	N	N	1,000	3	N
BUN5623P	46 5 14	112 41 45	1.5	.20	1.5	.300	700	N	N	N	N	1,000	3	N
BUN5625P	46 4 52	112 41 51	2.0	1.00	3.0	.300	700	N	N	N	<20	1,000	3	N
BUN5700P	46 8 16	112 43 37	10.0	.30	2.0	.700	700	N	N	N	N	500	2	N
BUN5702P	46 9 3	112 44 56	50.0	.30	1.5	.700	1,000	N	N	N	N	500	N	N
BUN5702P	46 9 3	112 44 56	20.0	.50	1.5	2.000	1,500	N	N	N	50	300	<2	N
BUN5708P	46 9 41	112 40 30	<.1	<.05	<.1	<.005	<20	N	N	N	N	N	N	N
BUN5710P	46 10 25	112 40 38	30.0	.30	1.0	.700	1,000	N	N	N	N	150	N	N
BUN5712P	46 12 0	112 42 40	30.0	.15	1.5	.700	1,000	N	N	N	N	500	N	N
BUN5753P	46 14 16	112 33 28	30.0	.20	1.0	1.500	1,000	N	N	N	100	300	N	N
BUN5762P	46 14 52	112 32 13	7.0	.30	1.5	.500	500	N	N	N	N	700	2	N
BUN5764P	46 13 52	112 31 57	3.0	1.00	3.0	.300	300	N	N	N	N	700	3	N
BUN5766P	46 13 20	112 31 58	2.0	.70	3.0	.150	100	N	N	N	N	700	3	N
BUN5768P	46 12 59	112 32 23	1.5	.70	3.0	.150	1,000	N	N	N	20	700	3	N
BUN5770P	46 11 50	112 32 35	1.5	.70	3.0	.200	300	N	N	N	20	700	<2	N
BUN5772P	46 11 14	112 32 33	.5	.20	3.0	.070	200	N	N	N	20	700	3	N
BUN5774P	46 11 16	112 33 1	.7	.15	2.0	.150	1,500	N	N	N	N	700	3	N
BUN5776P	46 12 23	112 32 52	1.5	.50	.7	.150	300	N	N	N	50	700	3	N

LATITUDE 46°00'-46°30' LONGITUDE 112°30'-113°00'

TABLE 2.PAN-CONCENTRATE 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
AN6939P	N	30	700	300	1,500	N	<50	20	150	N	10	N	N	1,500	N	150
AN6955P	N	15	200	<10	2,000	N	N	70	50	N	<10	N	500	200	N	70
AN6957P	N	15	200	70	1,500	N	<50	70	50	N	<10	N	500	1,000	N	150
AN6959P	N	15	200	15	300	N	<50	30	20	N	<10	<20	<200	1,500	N	150
AN6963P	N	N	20	15	300	N	<50	<10	20	N	<10	N	300	50	N	100
AN6965P	N	15	100	1,500	200	N	N	30	100	N	<10	N	2,000	150	<100	50
AN6967P	N	20	200	100	500	N	N	100	70	N	15	N	1,000	200	N	50
AN6969P	N	10	70	15	500	N	50	15	50	N	<10	N	200	200	N	70
AN6974P	N	30	300	150	700	N	<50	70	100	N	<10	N	N	700	N	200
AN6976P	N	<10	30	30	100	N	N	15	50	N	<10	N	1,000	50	N	N
AN6978P	N	<10	30	10	300	N	N	10	30	N	<10	N	1,000	50	N	<20
AN6986P	N	<10	N	20	150	N	N	<10	30	N	<10	N	500	100	N	70
AN7818P	N	15	300	150	1,500	N	50	50	100	N	<10	N	200	1,500	N	150
BUN4773P	N	20	200	<10	500	N	N	70	50	N	20	N	1,500	150	N	50
BUN4775P	N	<10	100	<10	200	N	N	20	20	N	<10	N	1,000	70	N	<20
BUN4779P	N	N	100	15	200	N	N	20	30	N	<10	N	1,500	70	N	<20
BUN4780P	N	N	100	<10	>2,000	N	N	<10	50	N	N	N	1,500	100	N	70
BUN4782P	N	N	70	<10	700	N	N	10	50	N	N	N	1,000	50	N	<20
BUN4784P	N	N	70	<10	<50	N	N	30	30	N	N	N	1,000	30	N	N
BUN4787P	N	<10	200	<10	<50	N	N	70	20	N	<10	N	1,000	150	N	N
BUN4792P	N	N	70	<10	700	N	N	<10	30	N	N	N	1,000	30	N	N
BUN4794P	N	20	150	20	50	N	N	15	30	N	N	N	N	1,500	N	30
BUN4796P	N	20	150	15	200	N	50	10	30	N	10	N	300	1,500	N	150
BUN4798P	N	15	70	20	150	N	<50	10	30	N	<10	N	500	700	N	70
BUN5613P	N	15	150	50	150	N	N	30	20	N	10	N	500	700	N	50
BUN5615P	N	20	150	50	150	N	<50	30	50	N	10	N	500	700	N	70
BUN5619P	N	N	30	<10	50	N	N	10	30	N	<10	N	1,000	50	N	<20
BUN5621P	N	N	50	<10	50	N	N	10	30	N	<10	N	700	50	N	<20
BUN5623P	N	N	50	<10	70	N	N	10	30	N	N	N	700	70	N	20
BUN5625P	N	15	100	10	<50	N	N	20	50	N	<10	N	1,500	70	N	N
BUN5700P	N	10	100	<10	200	N	50	<10	20	N	<10	N	200	500	N	100
BUN5702P	N	20	200	20	100	N	N	20	30	N	<10	N	N	2,000	N	70
BUN5702P	N	15	150	10	200	N	50	<10	30	N	N	N	200	1,500	N	150
BUN5708P	N	N	20	N	50	N	N	<10	N	N	N	N	N	<20	N	N
BUN5710P	N	15	150	10	100	N	N	10	20	N	10	N	<200	1,500	N	150
BUN5712P	N	15	150	30	200	N	<50	<10	30	N	<10	N	200	1,500	N	50
BUN5753P	N	15	300	50	500	N	<50	15	100	N	10	N	N	1,500	N	100
BUN5762P	N	10	100	15	100	N	N	10	50	N	<10	N	500	500	N	30
BUN5764P	N	N	150	<10	1,000	N	N	50	30	N	<10	N	1,500	50	N	50
BUN5766P	N	N	100	<10	50	N	N	20	30	N	<10	N	1,500	30	N	N
BUN5768P	N	15	100	<10	70	N	N	20	30	N	<10	N	1,500	50	N	N
BUN5770P	N	15	100	<10	300	N	N	150	50	N	<10	N	1,000	30	N	30
BUN5772P	N	N	30	<10	500	N	N	10	50	N	N	N	1,500	20	N	N
BUN5774P	N	N	20	<10	2,000	N	N	100	30	N	N	N	1,000	30	N	50
BUN5776P	N	<10	50	<10	<50	N	N	10	30	N	N	N	500	30	N	N

LATITUDE 46°00'-46°30' LONGITUDE 112°30'-113°00'

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

Sample	S-ZN	S-ZR	S-TH	AA-AU-P
AN6939P	N	>2,000	N	<.05
AN6955P	N	>2,000	N	<.05
AN6957P	N	>2,000	N	<.05
AN6959P	N	>2,000	N	<.05
AN6963P	N	150	<200	<.05
AN6965P	N	>20	N	<.05
AN6967P	N	>20	N	2.00
AN6969P	N	300	N	.59
AN6974P	N	>20	N	<.05
AN6976P	N	300	N	<.05
AN6978P	N	500	N	.63
AN6986P	N	300	N	<.05
AN7818P	N	1,500	N	<.05
BUN4773P	N	1,500	N	.15
BUN4775P	N	300	N	.10
BUN4779P	N	150	N	<.05
BUN4780P	N	1,500	<200	<.05
BUN4782P	N	70	N	<.05
BUN4784P	N	100	N	<.05
BUN4787P	N	200	N	<.05
BUN4792P	N	70	N	<.05
BUN4794P	N	700	<200	<.05
BUN4796P	N	2,000	N	<.05
BUN4798P	N	500	N	<.05
BUN5613P	N	1,000	N	.09
BUN5615P	N	700	N	<.05
BUN5619P	N	300	N	<.05
BUN5621P	N	70	N	<.05
BUN5623P	N	100	N	<.05
BUN5625P	N	300	N	<.05
BUN5700P	N	1,000	500	<.05
BUN5702P	N	1,500	N	<.05
BUN5702P	N	>2,000	N	<.05
BUN5708P	N	N	N	.60
BUN5710P	N	>2,000	N	<.05
BUN5712P	N	>2,000	<200	.05
BUN5753P	N	>2,000	N	2.14
BUN5762P	N	700	N	<.05
BUN5764P	N	500	N	<.05
BUN5766P	N	300	N	<.05
BUN5768P	N	300	N	<.05
BUN5770P	N	150	N	<.05
BUN5772P	N	70	N	<.05
BUN5774P	N	150	<200	<.05
BUN5776P	N	70	N	<.05

CHAPTER H

LATITUDE 46°00'-46°30' LONGITUDE 112°30'-113°00'

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

Sample	LATITUDE	LONGITUD	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE	S-BI
BUN5778P	46 13 16	112 32 49	2.0	.20	.7	.300	200	N	N	N	20	700	3	N
BUN6896	46 2 41	112 38 50	3.0	2.00	3.0	.300	1,000	N	N	N	N	1,000	3	N
BUN6898P	46 2 44	112 39 2	3.0	1.50	3.0	.500	300	N	N	N	N	1,500	3	N
BUN7800P	46 3 46	112 39 40	5.0	3.00	3.0	.300	2,000	N	N	N	N	700	2	N
BUN7804P	46 3 10	112 41 46	.7	3.00	3.0	.500	10,000	N	N	N	N	2,000	2	N
BUN7806P	46 3 10	112 41 49	3.0	.70	3.0	.150	2,000	N	N	N	N	500	2	N
BUN7808P	46 2 42	112 41 9	5.0	7.00	3.0	.500	2,000	N	N	N	N	300	<2	N
BUN7810P	46 1 51	112 41 47	7.0	2.00	3.0	1.000	1,500	N	N	N	N	700	3	N
BUN7812P	46 1 27	112 43 19	7.0	1.00	3.0	.500	10,000	N	N	N	<20	3,000	2	N
BUN7814P	46 1 45	112 43 35	1.0	.50	2.0	.150	500	N	N	N	N	1,000	3	N
BUN7816P	46 2 57	112 44 45	20.0	.70	2.0	2.000	10,000	N	N	N	N	3,000	N	N
BUN8927P	46 13 56	112 39 56	50.0	.70	1.5	1.500	2,000	N	N	N	N	300	N	N
BUN8929P	46 13 22	112 41 32	50.0	.10	1.5	1.000	1,000	N	N	N	N	200	N	N
BUN8931P	46 13 1	112 36 42	10.0	.30	1.5	.700	300	1.0	N	N	50	1,000	3	>2,000
BUN8934P	46 12 14	112 38 45	30.0	.20	1.0	1.000	1,000	N	N	N	N	200	N	N
BUN8936P	46 12 16	112 38 17	50.0	.30	1.0	.700	700	N	N	N	N	300	N	N
BUN8938P	46 11 21	112 36 20	.7	.20	1.5	.070	1,000	N	N	N	N	500	5	N
BUN8940P	46 11 26	112 36 22	1.5	.30	1.0	.200	500	N	N	N	20	500	5	N
BUN8942P	46 11 37	112 37 38	1.5	.30	.7	.200	200	N	N	N	30	700	3	N
BUN8947P	46 8 7	112 32 35	1.5	1.00	2.0	.300	700	N	N	N	<20	500	3	N
BUN8949P	46 8 41	112 32 2	1.5	.70	3.0	.300	500	N	N	N	20	500	3	N
BUN8951P	46 9 38	112 32 23	1.5	1.00	3.0	.300	500	N	N	N	N	700	3	N
BUN8953P	46 9 34	112 32 50	1.5	.70	3.0	.300	300	N	N	N	N	500	3	N
BUN8955P	46 9 34	112 32 50	2.0	.70	3.0	.500	700	N	N	N	N	700	3	N
BUN8957P	46 9 17	112 33 33	1.5	.70	3.0	.300	700	N	N	N	N	700	5	N
BUN8959P	46 9 22	112 33 59	1.5	1.00	3.0	.300	500	N	N	N	N	700	3	N
CON4683P	46 23 55	112 45 54	10.0	.30	2.0	1.000	5,000	N	N	N	N	1,000	3	N
CON4685P	46 23 38	112 51 51	7.0	1.00	1.5	1.000	1,000	N	N	N	50	700	3	N
CON4687P	46 24 16	112 47 37	5.0	.50	2.0	1.500	2,000	N	N	N	100	700	3	N
CON4689P	46 24 52	112 51 12	3.0	1.50	1.5	.300	1,000	N	N	N	20	700	3	N
CON4691P	46 25 4	112 50 59	3.0	1.00	1.0	.300	1,500	N	N	N	20	500	3	N
CON4693P	46 24 51	112 45 11	3.0	.30	1.0	.300	3,000	N	N	N	20	700	3	N
CON4695P	46 25 37	112 46 22	7.0	.50	3.0	1.000	2,000	N	N	N	50	700	2	N
CON4697P	46 25 18	112 47 54	7.0	.15	1.5	1.000	2,000	N	N	N	N	700	3	N
CON4699P	46 26 4	112 46 31	2.0	.30	1.0	.200	1,000	N	N	N	20	700	3	N
CON4757P	46 26 4	112 50 12	7.0	.50	1.5	.300	1,500	N	N	N	N	700	3	N
CON5601P	46 27 1	112 46 59	7.0	3.00	5.0	.700	3,000	N	N	N	20	500	2	N
CON5603P	46 27 48	112 47 45	10.0	.70	2.0	1.000	1,500	N	N	N	N	300	<2	N
CON5605P	46 28 11	112 49 23	7.0	.70	3.0	.700	2,000	N	N	N	<20	300	2	N
CON5607P	46 28 11	112 49 23	7.0	.70	3.0	.300	2,000	N	N	N	20	500	<2	N
CON5609P	46 28 17	112 49 15	3.0	.70	3.0	.300	1,500	N	N	N	50	700	3	N
CON5611P	46 28 44	112 46 9	3.0	.70	1.5	.300	700	N	N	N	70	1,000	2	N
CON6980P	46 29 34	112 51 17	5.0	1.00	2.0	.500	1,000	N	N	N	20	1,000	3	N
CON6982P	46 29 3	112 51 58	30.0	1.50	5.0	2.000	7,000	N	N	N	N	700	N	N
CON6984P	46 29 12	112 49 44	20.0	5.00	7.0	2.000	3,000	N	N	N	N	700	N	N

LATITUDE 46°00'-46°30' LONGITUDE 112°30'-113°00'

TABLE 2.PAN-CONCENTRATE 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
BUN5778P	N	N	50	<10	700	N	70	10	50	N	N	N	700	70	N	70
BUN6896	N	15	200	10	300	N	N	70	50	N	<10	N	1,000	50	N	20
BUN6898P	N	15	150	10	300	N	N	30	50	N	<10	N	1,000	50	N	<20
BUN7800P	N	20	300	30	70	N	N	150	30	N	10	N	1,500	70	N	<20
BUN7804P	N	<10	200	20	300	N	N	100	50	N	10	N	1,000	100	N	<20
BUN7806P	N	<10	70	10	1,000	N	N	15	50	N	<10	N	1,000	20	N	N
BUN7808P	N	20	700	30	150	N	N	200	30	N	10	N	700	100	N	30
BUN7810P	N	30	200	50	1,000	N	<50	100	70	N	<10	N	1,000	150	N	20
BUN7812P	N	15	100	50	700	N	N	50	100	N	10	N	1,000	200	N	50
BUN7814P	N	<10	70	<10	300	N	N	15	30	N	<10	N	1,000	30	N	<20
BUN7816P	N	20	100	30	1,500	N	70	70	50	N	<10	N	700	700	N	70
BUN8927P	N	20	200	50	700	N	<50	50	50	N	10	N	<200	2,000	N	50
BUN8929P	N	30	500	50	700	N	<50	30	50	N	<10	N	N	2,000	N	100
BUN8931P	N	10	100	30	200	N	<50	20	200	N	<10	N	700	500	N	50
BUN8934P	N	30	300	10	100	N	<50	30	30	N	10	N	N	2,000	N	100
BUN8936P	N	20	200	30	150	15	N	30	50	N	10	N	N	2,000	<100	50
BUN8938P	N	<10	30	<10	70	N	N	10	30	N	N	N	1,000	20	N	<20
BUN8940P	N	<10	70	<10	50	N	N	15	30	N	<10	N	700	50	N	<20
BUN8942P	N	N	70	<10	50	N	N	10	30	N	N	N	300	30	N	N
BUN8947P	N	10	150	<10	150	N	N	50	50	N	<10	N	1,000	70	N	<20
BUN8949P	N	N	70	<10	700	N	N	20	50	N	<10	N	1,500	70	N	<20
BUN8951P	N	N	100	<10	150	N	N	20	50	N	<10	N	1,500	50	N	20
BUN8953P	N	<10	50	<10	700	N	N	20	20	N	<10	N	1,000	30	N	N
BUN8955P	N	<10	70	<10	1,500	N	N	10	20	N	<10	N	1,500	50	N	30
BUN8957P	N	N	70	<10	200	N	N	10	30	N	N	N	1,500	30	N	N
BUN8959P	N	10	150	<10	200	N	N	20	30	N	<10	N	1,500	50	N	N
CON4683P	N	<10	50	15	300	N	<50	<10	20	N	<10	N	200	200	N	100
CON4685P	N	15	100	50	100	N	<50	50	70	N	10	N	200	200	N	150
CON4687P	N	N	30	<10	300	N	N	10	20	N	<10	N	200	100	N	70
CON4689P	N	10	50	20	50	N	N	30	20	N	10	N	300	100	N	20
CON4691P	N	N	50	20	50	N	N	15	30	N	<10	N	300	70	N	<20
CON4693P	N	<10	30	<10	300	N	70	10	50	N	N	N	300	100	N	50
CON4695P	N	N	30	<10	700	N	<50	<10	<20	N	<10	N	300	100	N	100
CON4697P	N	N	30	<10	300	N	<50	<10	<20	N	<10	N	300	100	N	200
CON4699P	N	N	30	<10	70	N	N	<10	<20	N	<10	N	300	30	N	20
CON4757P	N	10	70	15	500	<10	N	<10	20	N	<10	N	200	150	N	70
CON5601P	N	15	500	20	300	N	N	70	20	N	15	N	300	300	N	70
CON5603P	N	10	200	<10	100	N	<50	10	20	N	10	N	300	300	N	50
CON5605P	N	10	100	10	300	N	<50	15	30	N	10	N	300	200	N	70
CON5607P	N	10	100	15	150	N	<50	10	30	N	<10	N	200	150	N	70
CON5609P	N	10	100	30	70	N	N	20	50	N	10	N	N	150	N	30
CON5611P	N	10	100	30	70	N	N	15	<20	N	10	N	300	150	N	30
CON6980P	N	10	70	20	70	N	N	20	30	N	<10	N	700	100	N	50
CON6982P	N	10	100	<10	700	N	<50	10	<20	N	<10	N	N	1,000	N	100
CON6984P	N	20	1,500	70	150	N	N	100	30	N	<10	N	N	1,500	N	50

LATITUDE 46°00'-46°30' LONGITUDE 112°30'-113°00'

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

Sample	S-ZN	S-ZR	S-TH	AA-AU-P
BUN5778P	N	1,000	N	<.05
BUN6896	N	70	N	<.05
BUN6898P	N	150	N	<.05
BUN7800P	N	100	N	<.05
BUN7804P	N	300	N	<.05
BUN7806P	N	50	N	<.05
BUN7808P	N	100	N	<.05
BUN7810P	N	150	N	<.05
BUN7812P	N	700	N	<.05
BUN7814P	N	150	N	<.05
BUN7816P	N	>2,000	N	148.00
BUN8927P	N	500	N	2.23
BUN8929P	N	>2,000	N	<.05
BUN8931P	N	700	N	.06
BUN8934P	N	1,000	N	<.05
BUN8936P	N	700	N	23.60
BUN8938P	N	500	N	<.05
BUN8940P	N	2,000	N	1.00
BUN8942P	N	300	N	<.05
BUN8947P	N	150	N	<.05
BUN8949P	N	300	N	<.05
BUN8951P	N	300	N	<.05
BUN8953P	N	300	N	.47
BUN8955P	N	700	N	<.05
BUN8957P	N	200	N	<.05
BUN8959P	N	300	N	<.05
CON4683P	N	300	N	.08
CON4685P	N	300	N	<.05
CON4687P	N	300	N	<.05
CON4689P	N	150	N	.35
CON4691P	N	150	N	<.05
CON4693P	N	200	N	<.05
CON4695P	N	1,000	N	<.05
CON4697P	N	300	N	.05
CON4699P	N	300	N	.18
CON4757P	N	1,500	N	<.05
CON5601P	N	500	N	.07
CON5603P	N	1,000	N	<.05
CON5605P	N	300	N	<.05
CON5607P	N	300	N	<.05
CON5609P	N	200	N	.17
CON5611P	N	500	N	<.05
CON6980P	N	300	N	<.05
CON6982P	N	>20	N	.51
CON6984P	<500	500	N	<.05

LATITUDE 46°00'-46°30' LONGITUDE 112°30'-113°00'

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

Sample	LATITUDE	LONGITUD	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE	S-BI
DRL3561P	46 27.31	112 33 27	7.0	2.00	2.0	.700	1,000	N	N	N	N	700	<2	N
DRL3563P	46 27 31	112 33 36	10.0	10.00	10.0	.700	2,000	N	N	N	N	150	N	N
DRL3565P	46 27 25	112 34 44	10.0	7.00	7.0	.700	1,500	N	N	N	N	500	<2	N
DRL3569P	46 26 30	112 37 26	15.0	10.00	10.0	1.000	2,000	N	N	N	N	300	N	N
DRL3576P	46 27 47	112 38 51	10.0	7.00	10.0	.700	1,500	N	N	N	N	300	N	N
DRL3578P	46 27 43	112 38 49	10.0	7.00	7.0	.700	1,500	N	N	N	N	300	N	N
DRL3580P	46 26 58	112 41 10	7.0	7.00	10.0	.500	2,000	N	N	N	N	300	N	N
DRL3582P	46 26 33	112 30 52	7.0	1.00	.7	.500	1,000	N	N	N	20	1,500	3	N
DRL3584P	46 27 55	112 31 12	10.0	1.50	1.5	.500	1,000	N	N	N	20	1,000	3	N
DRL3586P	46 28 23	112 32 50	10.0	2.00	1.5	.700	1,000	N	N	N	20	1,000	<2	N
DRL4759P	46 22 0	112 42 52	7.0	.70	1.0	.700	1,500	N	N	N	50	1,000	2	N
DRL4761P	46 21 20	112 43 20	20.0	.30	1.5	.700	2,000	N	N	N	100	700	N	N
DRL4763P	46 20 45	112 43 42	30.0	.20	1.0	1.000	1,500	N	N	N	N	500	N	N
DRL4765P	46 20 14	112 43 45	50.0	.10	1.0	1.500	2,000	N	N	N	N	1,500	N	N
DRL4767P	46 19 30	112 43 43	50.0	.15	1.0	1.500	2,000	N	N	N	N	300	N	N
DRL4769P	46 18 10	112 40 58	15.0	.50	2.0	1.000	1,500	N	N	N	70	1,000	<2	N
DRL4771P	46 16 40	112 40 25	2.0	.70	3.0	.200	500	N	N	N	<20	700	3	N
DRL5780P	46 29 38	112 42 56	7.0	1.50	1.5	.700	1,500	N	N	N	<20	5,000	2	N
DRL5782P	46 29 38	112 42 56	7.0	1.00	1.5	.500	1,000	N	N	N	N	10,000	2	N
DRL5784P	46 29 37	112 42 48	7.0	1.00	1.5	.700	1,500	N	N	N	N	1,500	2	N
DRL5786P	46 29 1	112 42 7	15.0	2.00	3.0	1.500	2,000	N	N	N	N	700	<2	N
DRL5788P	46 29 44	112 39 30	7.0	2.00	2.0	.700	1,500	N	N	N	N	2,000	2	N
DRL5793P	46 28 11	112 40 14	10.0	5.00	3.0	.700	2,000	N	N	N	N	1,000	<2	N
DRL5795P	46 26 36	112 39 49	7.0	7.00	7.0	.500	2,000	N	N	N	N	700	<2	N
DRL5797P	46 28 16	112 42 27	7.0	3.00	1.5	.700	1,500	N	N	N	N	1,500	<2	N
DRL8867P	46 22 33	112 33 22	10.0	2.00	1.5	1.000	700	N	N	N	N	700	2	N
DRL8869P	46 22 10	112 35 35	20.0	1.50	2.0	.500	10,000	15.0	7,000	N	30	1,000	2	N
DRL8873P	46 21 12	112 31 26	3.0	1.00	1.0	.300	1,500	<1.0	N	N	N	1,000	2	N
DRL8875P	46 20 15	112 33 27	5.0	1.00	3.0	1.000	2,000	N	N	N	150	1,500	2	N
DRL8877P	46 20 14	112 33 46	3.0	1.00	1.5	.500	1,500	N	N	N	30	2,000	3	N
DRL8879P	46 22 1	112 36 25	10.0	3.00	3.0	.700	2,000	N	N	N	70	1,000	2	N
DRL8881P	46 25 54	112 35 12	15.0	7.00	7.0	1.000	2,000	N	N	N	N	300	N	N
DRL8883P	46 25 46	112 36 41	15.0	7.00	10.0	1.000	2,000	N	N	N	N	300	N	N
DRL8885P	46 25 3	112 38 24	10.0	7.00	7.0	1.000	2,000	N	N	N	N	500	<2	N
DRL8887P	46 26 8	112 38 20	10.0	10.00	15.0	.700	2,000	N	N	N	N	300	N	N
DRL8891P	46 24 7	112 37 51	10.0	5.00	3.0	1.000	2,000	N	N	N	20	1,000	2	N
DRL8893P	46 24 15	112 34 18	7.0	7.00	5.0	.700	2,000	N	N	N	N	700	<2	N
DRL8895P	46 24 1	112 34 55	10.0	3.00	3.0	.700	2,000	N	N	N	20	1,000	<2	N
DRL8961P	46 23 50	112 32 13	7.0	5.00	5.0	.700	1,000	N	N	N	N	500	3	N
DRL8963P	46 23 38	112 31 46	10.0	1.50	2.0	1.500	1,500	N	N	N	<20	1,000	3	N
DRL8965P	46 23 42	112 31 41	10.0	1.50	1.5	1.000	700	N	N	N	20	700	5	N
GA3505P	46 29 59	112 46 2	10.0	1.00	2.0	.700	1,000	N	N	N	<20	3,000	<2	N
MP7904P	46 15 52	112 57 59	20.0	1.50	7.0	2.000	10,000	N	N	N	20	150	20	<20
MP7906P	46 15 45	112 57 15	10.0	2.00	5.0	1.000	1,500	N	N	N	20	300	15	N
MP7908P	46 15 49	112 56 0	7.0	.20	.5	.500	700	N	N	N	200	500	<2	N

LATITUDE 46°00'-46°30' LONGITUDE 112°30'-113°00'

TABLE 2.PAN-CONCENTRATE 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
DRL3561P	N	20	500	50	70	N	N	150	20	N	15	N	200	300	N	30
DRL3563P	N	20	2,000	50	50	N	N	150	<20	N	50	N	N	500	N	20
DRL3565P	N	20	1,500	70	<50	N	N	150	20	N	30	N	N	500	N	<20
DRL3569P	N	20	5,000	10	<50	N	N	150	N	N	50	N	N	500	N	20
DRL3576P	N	30	1,500	50	<50	N	N	150	<20	N	70	N	N	500	N	20
DRL3578P	N	20	2,000	50	<50	N	N	200	20	N	50	N	N	500	N	30
DRL3580P	N	20	2,000	30	<50	N	N	150	<20	N	50	N	200	300	N	20
DRL3582P	N	15	100	50	50	N	N	50	30	N	15	N	N	200	N	30
DRL3584P	N	20	200	50	<50	N	N	50	50	N	20	N	N	200	N	30
DRL3586P	N	30	300	70	50	N	N	150	20	N	20	N	200	300	N	20
DRL4759P	N	15	200	50	<50	N	N	30	50	N	10	N	500	200	N	30
DRL4761P	N	15	200	70	70	N	N	15	70	N	<10	N	300	1,500	N	50
DRL4763P	N	20	200	50	150	N	N	20	50	N	<10	N	N	2,000	N	50
DRL4765P	N	30	200	70	300	N	<50	20	70	N	10	N	N	2,000	N	70
DRL4767P	N	20	300	70	200	N	N	20	70	N	<10	N	N	2,000	N	70
DRL4769P	N	20	150	50	100	N	N	15	70	N	<10	N	700	1,000	N	50
DRL4771P	N	<10	100	15	50	N	N	15	50	N	<10	N	1,000	70	N	<20
DRL5780P	N	15	150	30	70	N	N	20	50	N	10	20	500	300	N	50
DRL5782P	N	15	100	30	70	N	N	15	50	N	10	N	300	200	N	50
DRL5784P	N	15	70	30	70	N	N	15	30	N	15	N	700	200	N	50
DRL5786P	N	20	500	100	50	N	N	30	70	N	20	N	300	700	N	50
DRL5788P	N	15	50	70	70	N	N	15	30	N	15	N	1,000	200	N	30
DRL5793P	N	30	700	70	<50	N	N	150	30	N	50	N	200	500	N	30
DRL5795P	N	20	1,500	50	<50	N	N	150	30	N	30	N	300	300	N	30
DRL5797P	N	20	200	70	50	N	N	70	30	N	15	N	500	300	N	30
DRL8867P	N	20	500	70	70	N	N	150	30	N	15	N	300	500	N	30
DRL8869P	N	150	100	300	<50	N	N	100	1,500	N	20	N	200	300	N	30
DRL8873P	N	N	30	<10	<50	N	N	10	50	N	10	N	500	70	N	<20
DRL8875P	N	10	30	<10	100	N	N	10	50	N	15	N	700	150	N	30
DRL8877P	N	<10	30	<10	70	N	N	10	70	N	10	N	700	100	N	30
DRL8879P	N	30	200	50	50	N	N	50	150	N	20	N	700	300	N	50
DRL8881P	N	20	1,500	50	<50	N	N	100	20	N	50	N	300	700	N	30
DRL8883P	N	30	5,000	50	<50	N	N	150	20	N	70	N	200	700	N	30
DRL8885P	N	30	1,500	50	N	N	N	150	30	N	50	N	500	700	N	30
DRL8887P	N	30	7,000	30	N	N	N	200	<20	N	70	N	200	700	N	30
DRL8891P	N	30	700	100	N	N	N	200	30	N	20	N	200	500	N	30
DRL8893P	N	20	700	70	<50	N	N	70	20	N	20	N	300	300	N	20
DRL8895P	N	20	300	50	N	N	N	70	50	N	20	N	700	300	N	20
DRL8961P	N	20	700	70	50	N	N	100	20	N	20	N	500	300	N	50
DRL8963P	N	15	100	70	70	N	N	20	50	N	20	N	700	300	N	50
DRL8965P	N	20	200	50	70	N	N	100	30	N	15	N	500	300	N	50
GA3505P	N	15	150	50	50	N	N	30	50	N	10	N	300	500	N	50
MP7904P	N	15	100	50	700	N	<50	10	70	N	10	N	N	300	N	300
MP7906P	N	20	70	100	200	<10	<50	20	70	N	10	N	<200	150	N	100
MP7908P	N	10	100	30	100	N	N	15	30	N	<10	N	N	200	N	50

LATITUDE 46°00'-46°30' LONGITUDE 112°30'-113°00'

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

Sample	S-ZN	S-ZR	S-TH	AA-AU-P
DRL3561P	N	150	N	<.05
DRL3563P	N	50	N	<.05
DRL3565P	N	70	N	<.05
DRL3569P	N	70	N	<.05
DRL3576P	N	70	N	<.05
DRL3578P	N	70	N	<.05
DRL3580P	N	70	N	<.05
DRL3582P	N	150	N	<.05
DRL3584P	N	150	N	<.05
DRL3586P	N	200	N	<.05
DRL4759P	N	500	N	<.05
DRL4761P	N	700	N	.13
DRL4763P	N	700	N	<.05
DRL4765P	N	>2,000	N	.06
DRL4767P	N	1,000	N	.09
DRL4769P	N	1,000	N	.07
DRL4771P	N	300	N	17.40
DRL5780P	N	300	N	<.05
DRL5782P	N	500	N	<.05
DRL5784P	N	300	N	<.05
DRL5786P	N	200	N	<.05
DRL5788P	N	300	N	<.05
DRL5793P	N	200	N	<.05
DRL5795P	N	70	N	<.05
DRL5797P	N	300	N	<.05
DRL8867P	N	200	N	<.05
DRL8869P	10,000	200	N	1.63
DRL8873P	N	200	N	<.05
DRL8875P	N	300	N	<.05
DRL8877P	N	300	N	<.05
DRL8879P	N	300	N	<.05
DRL8881P	N	150	N	<.05
DRL8883P	N	100	N	<.05
DRL8885P	N	100	N	<.05
DRL8887P	N	70	N	<.05
DRL8891P	N	200	N	<.05
DRL8893P	N	70	N	<.05
DRL8895P	N	200	N	<.05
DRL8961P	N	200	N	<.05
DRL8963P	N	200	N	<.05
DRL8965P	N	300	N	<.05
GA3505P	N	500	N	<.05
MP7904P	N	1,000	N	N
MP7906P	N	2,000	N	N
MP7908P	N	1,000	N	N

LATITUDE 46°00'-46°30' LONGITUDE 112°30'-113°00'

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

Sample	LATITUDE	LONGITUD	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE	S-BI
MP7910P	46 15 54	112 54 59	50.0	.20	1.0	1.000	2,000	N	N	N	20	300	N	N
MP7912P	46 16 48	112 57 23	7.0	.70	3.0	1.500	10,000	N	N	N	N	700	5	N
MP7914P	46 17 32	112 56 24	30.0	.50	2.0	2.000	10,000	N	N	N	N	150	N	N
MP7916P	46 17 14	112 54 14	50.0	.70	3.0	2.000	2,000	N	N	N	N	150	N	N
MP7924P	46 18 5	112 53 1	50.0	.50	1.0	1.500	3,000	N	N	N	N	70	N	N
MP7926P	46 18 3	112 53 3	50.0	.50	2.0	1.000	2,000	N	N	N	N	500	N	N
RAC4731P	46 18 12	112 46 15	3.0	.30	1.5	.300	2,000	N	N	N	N	700	3	N
RAC4733P	46 18 56	112 49 28	3.0	.20	1.0	.150	1,500	N	N	N	20	700	3	N
RAC4735P	46 19 14	112 47 16	.7	.20	1.0	.100	500	N	N	N	N	700	3	N
RAC4737P	46 19 52	112 48 47	15.0	.20	1.5	.700	3,000	N	N	N	N	500	3	N
RAC4739P	46 20 19	112 49 49	30.0	.15	1.5	.700	3,000	N	N	N	N	300	<2	N
RAC4741P	46 20 19	112 49 49	20.0	.15	1.5	.500	3,000	N	N	N	N	700	2	N
RAC4743P	46 20 21	112 49 48	50.0	.10	1.0	.700	5,000	N	N	N	N	150	<2	N
RAC4745P	46 20 50	112 48 13	1.5	.20	.7	.150	700	N	N	N	20	1,000	3	N
RAC4747P	46 21 9	112 49 19	10.0	.20	.7	.300	1,500	N	N	N	20	1,000	3	N
RAC4749P	46 21 38	112 49 2	5.0	.30	1.0	.300	1,500	N	N	N	N	700	3	N
RAC4751P	46 21 23	112 47 37	3.0	.20	1.0	.200	2,000	N	N	N	N	1,000	3	N
RAC4753P	46 20 24	112 45 40	20.0	.20	1.5	1.000	3,000	N	N	N	20	700	<2	N
RAC4755P	46 20 18	112 45 43	10.0	.20	2.0	.700	3,000	N	N	N	N	1,000	3	N
RAC7918P	46 16 47	112 50 12	50.0	.50	2.0	2.000	7,000	N	N	N	N	200	N	N
RAC7920P	46 17 9	112 50 9	50.0	.20	1.0	1.500	5,000	N	N	N	N	200	<2	N
RAC7922P	46 17 27	112 49 32	30.0	.70	5.0	1.500	10,000	N	N	N	N	200	<2	N
RAC7928P	46 16 0	112 50 55	50.0	.70	1.0	1.500	5,000	N	N	N	N	150	N	N
RAC7930P	46 16 31	112 48 24	50.0	.50	3.0	1.500	>10,000	N	N	N	N	300	N	N
RAC7932P	46 16 40	112 46 13	10.0	.70	5.0	2.000	>10,000	N	N	N	N	300	2	N
RAC7934P	46 15 26	112 46 22	50.0	.50	1.5	2.000	7,000	N	N	N	N	200	N	N
RGA6871P	46 29 47	112 56 52	30.0	.15	1.5	1.000	2,000	N	N	N	N	300	N	N
ROC1158P	46 29 22	112 59 42	30.0	.07	1.0	.700	1,500	N	N	N	N	100	N	N
ROC6857P	46 26 52	112 57 33	50.0	.70	2.0	.300	1,000	N	N	N	N	200	N	N
ROC6859P	46 26 55	112 56 58	10.0	.50	3.0	.300	700	N	N	N	N	700	2	N
ROC6861P	46 28 30	112 56 36	30.0	.10	1.0	1.000	2,000	N	N	N	N	100	N	N
ROC6865P	46 28 14	112 55 42	10.0	.20	1.5	.700	1,500	N	N	N	N	700	<2	N
ROC6875P	46 28 22	112 54 7	3.0	.30	2.0	.300	1,500	N	N	N	N	700	2	N
ROC6881P	46 26 55	112 56 2	50.0	.10	2.0	.700	3,000	N	N	N	N	300	N	N
ROC6883P	46 26 30	112 54 54	3.0	.20	1.5	.100	300	N	N	N	N	1,000	3	N
ROC6887P	46 25 20	112 56 22	7.0	1.00	2.0	1.500	2,000	N	N	N	30	500	2	N

LATITUDE 46°00'-46°30' LONGITUDE 112°30'-113°00'

TABLE 2.PAN-CONCENTRATE 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
MP7910P	N	30	200	50	700	N	<50	20	100	N	10	N	N	1,500	N	150
MP7912P	N	<10	50	<10	700	N	N	10	20	N	<10	N	700	100	N	300
MP7914P	N	15	100	20	2,000	N	50	10	700	N	<10	N	N	700	N	1,000
MP7916P	N	20	150	50	700	N	<50	10	50	N	<10	N	N	2,000	N	150
MP7924P	N	20	150	70	70	N	N	10	70	N	10	N	N	1,500	N	150
MP7926P	N	30	200	50	500	N	<50	15	70	N	<10	N	N	2,000	N	200
RAC4731P	N	<10	50	<10	100	N	N	10	20	N	<10	N	500	100	N	50
RAC4733P	N	<10	N	15	100	N	N	10	30	N	N	N	300	50	N	50
RAC4735P	N	N	<20	15	<50	N	N	<10	30	N	<10	N	500	20	N	<20
RAC4737P	N	<10	30	<10	200	N	<50	<10	30	N	<10	N	300	200	N	70
RAC4739P	N	<10	50	20	300	N	<50	<10	70	N	<10	N	200	300	N	100
RAC4741P	N	<10	50	15	200	N	<50	<10	50	N	N	N	300	300	N	70
RAC4743P	N	10	70	15	500	N	<50	<10	50	N	<10	N	N	500	N	100
RAC4745P	N	<10	N	<10	100	N	N	<10	30	N	<10	N	300	30	N	20
RAC4747P	N	N	<20	20	200	N	N	10	30	N	<10	N	300	150	N	30
RAC4749P	N	N	<20	<10	150	N	<50	10	20	N	N	N	300	70	N	30
RAC4751P	N	<10	20	15	150	N	N	10	20	N	N	N	500	70	N	50
RAC4753P	N	15	100	10	300	N	N	<10	20	N	<10	N	200	700	N	70
RAC4755P	N	<10	50	10	150	N	<50	10	30	N	<10	N	300	150	N	200
RAC7918P	N	20	150	70	1,500	N	<50	10	70	N	<10	N	N	1,500	N	300
RAC7920P	N	15	150	50	700	N	<50	<10	70	N	<10	<20	N	1,000	N	200
RAC7922P	N	15	100	15	700	N	<50	10	50	N	<10	N	N	700	N	300
RAC7928P	N	20	100	10	1,500	N	<50	10	<20	N	<10	N	N	1,000	N	700
RAC7930P	N	15	150	20	2,000	N	50	10	20	N	<10	N	<200	1,000	<100	1,000
RAC7932P	N	N	50	<10	1,500	N	70	<10	30	N	<10	N	300	150	N	700
RAC7934P	N	15	200	10	1,500	N	<50	15	30	N	<10	N	N	1,000	N	700
RGA6871P	N	15	100	15	700	N	<50	<10	30	N	10	N	N	700	N	100
ROC1158P	N	15	50	10	1,000	N	N	<10	<20	N	N	N	N	300	N	150
ROC6857P	N	15	50	20	700	N	N	15	30	N	<10	N	N	700	N	100
ROC6859P	N	10	20	<10	200	N	N	10	30	N	<10	N	200	200	N	50
ROC6861P	N	15	50	50	500	N	<50	<10	30	N	<10	N	N	700	N	100
ROC6865P	N	10	30	<10	500	N	<50	<10	30	N	<10	N	300	300	N	70
ROC6875P	N	<10	30	<10	200	N	N	10	20	N	<10	N	500	70	N	50
ROC6881P	N	10	<20	20	500	N	<50	<10	<20	N	<10	N	200	700	N	70
ROC6883P	N	<10	<20	<10	<50	N	N	10	20	N	<10	N	500	50	N	N
ROC6887P	N	10	70	10	200	N	N	10	20	N	<10	N	300	150	N	70

LATITUDE 46°00'-46°30' LONGITUDE 112°30'-113°00'

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

Sample	S-ZN	S-ZR	S-TH	AA-AU-P
MP7910P	N	>2,000	N	3.66
MP7912P	N	1,500	N	1.00
MP7914P	N	>2,000	<200	.67
MP7916P	N	>2,000	N	.40
MP7924P	N	2,000	N	.31
MP7926P	N	>2,000	N	N
RAC4731P	N	300	N	<.05
RAC4733P	N	300	N	<.05
RAC4735P	N	70	N	<.05
RAC4737P	N	700	N	.09
RAC4739P	N	700	N	.19
RAC4741P	N	700	N	.08
RAC4743P	N	1,000	N	<.05
RAC4745P	N	100	N	<.05
RAC4747P	N	300	N	<.05
RAC4749P	N	500	N	<.05
RAC4751P	N	100	N	<.05
RAC4753P	N	2,000	N	<.05
RAC4755P	N	300	N	<.05
RAC7918P	N	2,000	N	1.30
RAC7920P	N	>2,000	N	3.01
RAC7922P	N	700	N	.88
RAC7928P	N	>2,000	N	.48
RAC7930P	N	>2,000	N	10.90
RAC7932P	N	>2,000	N	N
RAC7934P	N	>2,000	<200	8.95
RGA6871P	N	2,000	N	7.80
ROC1158P	N	1,000	N	<.05
ROC6857P	N	>2,000	N	<.05
ROC6859P	N	700	N	<.05
ROC6861P	N	1,500	N	<.05
ROC6865P	N	500	N	2.20
ROC6875P	N	200	N	.40
ROC6881P	N	>2,000	N	.85
ROC6883P	N	200	N	<.05
ROC6887P	N	>2,000	N	<.05

LATITUDE 46°00'-46°30' LONGITUDE 112°30'-113°00'

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

SAMPLE	LATITUDE	LONGITUDEE	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE	S-BI
AN1179S	46 3 21	112 57 24	3.0	2.0	3.0	.20	700	N	N	N	<10	1,500	1.5	N
AN1181S	46 4 1	112 55 2	2.0	1.5	3.0	.30	700	<.5	N	N	N	1,500	1.5	N
AN1183S	46 4 23	112 52 57	3.0	1.5	2.0	.50	700	.5	N	N	15	1,500	2.0	<10
AN1185S	46 3 7	112 51 14	7.0	2.0	3.0	.70	1,500	N	N	N	10	1,000	2.0	N
AN1187S	46 0 27	112 49 25	3.0	1.0	2.0	.30	2,000	N	N	N	10	1,000	3.0	N
AN1189S	46 0 48	112 47 31	5.0	1.5	3.0	.50	1,000	N	N	N	30	1,000	2.0	N
AN1191S	46 2 32	112 58 36	3.0	2.0	1.5	.50	700	N	N	N	<10	1,500	2.0	<10
AN1193S	46 5 7	112 55 23	5.0	1.5	1.0	.30	1,000	N	200	N	20	1,000	2.0	<10
AN1195S	46 2 22	112 46 28	5.0	1.5	1.5	.50	1,500	<.5	N	N	10	1,500	1.5	<10
AN1197S	46 13 0	112 51 40	3.0	1.0	1.5	.50	1,000	3.0	300	N	70	1,000	2.0	15
AN1199S	46 14 40	112 54 35	3.0	1.0	1.0	.50	1,500	1.0	N	N	70	1,000	2.0	<10
AN2101S	46 2 38	112 54 21	3.0	2.0	2.0	.30	700	.5	N	N	10	1,500	2.0	<10
AN2107S	46 0 32	112 53 22	1.5	1.0	1.5	.20	500	10.0	N	N	10	1,000	3.0	N
AN2109S	46 0 48	112 53 59	2.0	.7	1.0	.30	700	1.0	N	N	30	1,000	7.0	<10
AN2111S	46 1 9	112 54 10	3.0	1.5	1.5	.50	700	N	N	N	50	1,000	2.0	N
AN2113S	46 1 29	112 54 53	3.0	2.0	2.0	.50	1,000	N	N	N	15	1,500	3.0	N
AN2115S	46 1 34	112 54 59	3.0	2.0	3.0	.30	700	N	N	N	N	1,500	1.0	N
AN2147S	46 9 24	112 59 30	1.5	.7	1.0	.15	500	N	N	N	70	1,000	1.5	N
AN2149S	46 8 25	112 58 22	3.0	.7	1.0	.30	700	1.5	N	N	50	500	3.0	10
AN2151S	46 8 13	112 57 19	1.5	.5	7.0	.15	1,500	2.0	N	N	20	200	3.0	<10
AN2153S	46 8 14	112 56 6	2.0	1.0	1.0	.30	200	7.0	N	N	30	700	3.0	<10
AN2158S	46 5 1	112 57 24	10.0	1.5	1.5	.50	1,000	<.5	N	N	70	300	1.5	N
AN2160S	46 3 59	112 59 37	2.0	1.5	2.0	.30	700	N	N	N	N	500	7.0	N
AN2165S	46 11 3	112 45 22	20.0	1.0	1.5	.70	1,000	N	N	N	N	300	<1.0	N
AN2167S	46 12 2	112 45 4	3.0	1.5	3.0	.15	1,000	N	N	N	15	300	1.5	N
AN2169S	46 12 29	112 45 16	15.0	.7	1.5	.70	700	N	N	N	50	500	1.0	N
AN2197S	46 9 33	112 45 35	10.0	1.0	2.0	.15	1,000	N	N	N	N	200	1.5	N
AN2199S	46 8 35	112 46 12	5.0	1.0	2.0	.30	1,000	N	N	N	10	200	2.0	N
AN3101S	46 6 58	112 47 17	5.0	1.5	3.0	.50	1,000	<.5	N	N	100	500	2.0	<10
AN3103S	46 6 21	112 47 15	10.0	.7	1.5	.50	700	<.5	N	N	30	300	1.5	<10
AN3105S	46 5 47	112 46 34	20.0	1.0	2.0	.30	1,000	N	N	N	N	500	<1.0	N
AN3107S	46 5 5	112 46 18	10.0	1.0	2.0	.70	1,000	<.5	N	N	N	300	1.0	N
AN3109S	46 4 32	112 46 13	7.0	1.5	2.0	.50	1,000	1.5	N	N	10	500	1.5	10
AN3644S	46 10 38	112 53 48	2.0	.7	1.0	.15	300	.5	N	N	10	300	1.0	N
AN3647S	46 11 26	112 53 53	1.5	.7	1.0	.20	300	<.5	N	N	20	500	1.0	N
AN3649S	46 12 34	112 53 38	1.5	.7	1.0	.20	300	<.5	N	N	50	300	1.0	N
AN3651S	46 12 51	112 56 52	1.0	.3	1.0	.20	200	.7	N	N	50	300	1.5	N
AN3653S	46 13 21	112 53 50	1.0	.3	1.0	.15	200	N	N	N	30	200	1.0	N
AN3655S	46 13 3	112 58 15	2.0	1.0	.7	.30	300	N	N	N	30	300	1.0	N
AN3657S	46 12 33	112 58 43	2.0	1.5	.3	.30	500	N	N	N	50	300	1.5	N
AN3659S	46 11 53	112 58 14	2.0	2.0	2.0	.30	1,000	.5	N	N	30	200	1.5	N
AN3661S	46 11 33	112 58 27	2.0	1.5	1.5	.50	1,000	<.5	N	N	70	200	1.5	N
AN3663S	46 10 31	112 56 54	1.0	.5	1.0	.15	200	N	N	N	30	200	1.0	N
AN3665S	46 10 26	112 55 56	2.0	.5	.3	.30	300	N	N	N	50	300	1.0	N
AN3667S	46 10 0	112 56 48	.7	.3	.5	.20	300	N	N	N	30	200	1.5	N

LATITUDE 46°00'-46°30' LONGITUDE 112°30'-113°00'

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

SAMPLE	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN
AN1179S	N	7	100	30	20	N	N	30	70	N	10	N	1,000	50	N	10	N
AN1181S	N	7	100	70	70	N	N	30	70	N	7	N	1,000	50	N	15	N
AN1183S	N	10	100	150	30	N	N	50	100	N	10	N	1,000	70	N	20	N
AN1185S	N	10	70	100	30	N	N	30	70	N	20	N	700	300	N	30	N
AN1187S	N	7	70	50	30	N	N	30	50	N	7	N	1,000	70	N	15	N
AN1189S	N	10	50	50	30	N	N	20	30	N	15	N	700	150	N	20	N
AN1191S	N	10	150	150	30	N	N	50	150	N	10	N	700	70	N	10	N
AN1193S	N	10	70	150	30	N	N	20	70	N	10	N	300	70	N	20	<200
AN1195S	N	15	150	150	50	N	N	50	100	N	10	N	500	100	N	30	<200
AN1197S	N	7	50	700	50	N	N	15	200	N	7	N	200	70	N	30	300
AN1199S	N	7	50	200	30	N	<20	15	100	N	7	N	200	70	N	30	<200
AN2101S	N	7	100	100	20	N	N	30	100	N	7	N	700	70	N	30	N
AN2107S	N	<5	50	30	20	N	N	20	70	N	<5	N	700	30	N	15	N
AN2109S	N	5	50	100	30	N	N	20	150	N	5	N	200	50	N	30	N
AN2111S	N	7	70	30	30	N	N	30	70	N	7	N	500	100	N	20	N
AN2113S	N	7	70	30	30	N	N	30	70	N	7	N	700	100	N	20	N
AN2115S	N	7	200	50	30	N	N	30	70	N	10	N	1,000	70	N	15	N
AN2147S	N	7	50	30	30	N	N	15	30	N	<5	N	500	50	N	10	N
AN2149S	N	10	50	500	50	N	N	15	100	N	7	<10	150	70	N	20	200
AN2151S	N	10	50	700	30	N	N	30	70	N	5	N	300	30	N	15	200
AN2153S	N	7	70	1,000	50	N	<20	20	70	N	7	<10	300	70	N	20	200
AN2158S	N	15	70	150	70	N	N	15	70	N	15	N	300	300	N	30	N
AN2160S	N	7	30	30	150	N	N	10	50	N	10	N	300	70	N	20	N
AN2165S	N	15	150	70	70	N	<20	10	30	N	7	N	300	1,000	N	50	N
AN2167S	N	7	20	30	30	N	N	7	30	N	7	N	500	70	N	20	N
AN2169S	N	15	100	70	100	N	N	15	50	N	7	N	500	700	N	30	N
AN2197S	N	7	70	50	20	N	N	10	50	N	7	N	300	200	N	30	N
AN2199S	N	10	30	30	150	N	<20	7	50	N	10	N	500	200	N	50	N
AN3101S	N	10	30	150	50	N	N	15	70	N	10	N	500	150	N	30	N
AN3103S	N	10	70	100	150	N	<20	10	70	N	7	N	300	500	N	70	N
AN3105S	N	15	150	100	70	N	N	20	100	N	7	N	300	700	N	30	N
AN3107S	N	7	70	100	100	7	20	10	100	N	10	N	300	300	N	70	N
AN3109S	N	10	100	200	20	N	N	20	150	N	10	<10	700	200	N	20	N
AN3644S	N	7	30	150	<20	N	N	15	50	N	5	N	700	30	N	10	N
AN3647S	N	7	30	100	20	N	N	10	50	N	<5	N	500	30	N	10	N
AN3649S	N	5	20	70	20	N	N	10	30	N	<5	N	300	30	N	<10	N
AN3651S	N	5	15	15	20	N	N	7	30	N	<5	N	300	30	N	10	N
AN3653S	N	5	15	30	<20	N	N	7	70	N	<5	N	300	30	N	<10	N
AN3655S	N	7	30	20	30	N	N	10	20	N	7	N	150	30	N	20	<200
AN3657S	N	7	50	30	20	N	N	15	30	N	7	N	<100	50	N	20	<200
AN3659S	N	7	50	100	20	N	N	15	50	N	7	N	N	50	N	20	<200
AN3661S	N	7	20	70	20	N	N	10	50	N	7	N	<100	70	N	20	N
AN3663S	N	5	20	30	20	N	N	7	30	N	5	N	300	20	N	<10	N
AN3665S	N	7	50	70	20	N	N	10	30	N	5	N	200	50	N	15	N
AN3667S	N	5	20	150	20	N	N	10	50	N	5	N	200	30	N	10	N

LATITUDE 46°00'-46°30' LONGITUDE 112°30'-113°00'

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

SAMPLE	S-ZR	S-TH	AA-CU	AA-PB	AA-ZN	AA-AG	AA-CD	AA-BI	AA-SB
AN1179S	50	N	25	19	20	<.05	.70	2	1
AN1181S	100	N	58	33	68	.20	1.90	3	1
AN1183S	150	N	160	75	105	.55	3.20	7	3
AN1185S	500	N	50	25	55	.20	1.20	2	1
AN1187S	150	N	35	17	37	.15	.75	1	1
AN1189S	300	N	26	13	22	.10	.45	2	1
AN1191S	150	N	100	55	44	.25	2.00	6	3
AN1193S	150	N	120	45	120	.40	3.00	6	5
AN1195S	200	N	160	65	160	.60	5.70	7	4
AN1197S	200	N	560	200	200	2.60	4.60	14	11
AN1199S	200	N	200	65	160	.85	3.60	5	3
AN2101S	150	N	85	47	55	.25	2.20	4	1
AN2107S	150	N	25	25	22	.16	.75	2	1
AN2109S	150	N	95	80	80	.65	2.50	7	2
AN2111S	200	N	30	30	55	.20	1.20	2	1
AN2113S	150	N	30	30	50	.15	.85	2	1
AN2115S	200	N	30	20	25	.10	.85	2	1
AN2147S	150	N	31	19	22	.10	.50	1	1
AN2149S	150	N	500	71	200	1.06	2.95	7	3
AN2151S	50	N	770	96	56	2.25	14.00	8	3
AN2153S	200	N	1,390	73	55	5.31	1.90	9	10
AN2158S	700	N	120	51	51	.43	1.50	4	2
AN2160S	300	N	25	20	44	.13	.60	1	1
AN2165S	>1,000	N	25	19	35	.07	.60	2	1
AN2167S	50	N	18	9	33	.05	.30	1	1
AN2169S	300	N	26	16	40	.10	.60	1	1
AN2197S	150	N	40	22	44	.15	.90	2	1
AN2199S	200	<100	23	15	33	.10	.60	1	N
AN3101S	100	N	130	41	52	.49	1.95	3	2
AN3103S	300	N	140	45	52	.56	1.85	4	2
AN3105S	700	N	84	48	51	.30	1.50	4	2
AN3107S	200	N	97	48	50	.40	1.25	5	2
AN3109S	200	N	150	84	86	1.02	3.85	9	4
AN3644S	70	N	152	47	88	.55	2.00	4	2
AN3647S	70	N	137	50	96	.46	2.10	4	2
AN3649S	100	N	105	30	49	.33	1.20	2	1
AN3651S	100	N	21	13	26	.10	.65	<1	1
AN3653S	70	N	45	20	35	.17	.90	1	1
AN3655S	70	N	24	15	43	.19	.95	1	1
AN3657S	200	N	40	31	54	.13	1.80	2	1
AN3659S	100	N	146	96	99	1.03	2.60	5	2
AN3661S	100	N	115	80	125	.70	3.15	8	2
AN3663S	50	N	67	17	60	.27	.90	1	<1
AN3665S	200	N	110	38	68	.28	1.35	3	2
AN3667S	100	N	160	68	143	.63	4.00	5	3

LATITUDE 46°00'-46°30' LONGITUDE 112°30'-113°00'

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

SAMPLE	LATITUDE	LONGITUDEE	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE	S-BI
AN3669S	46 9 53	112 56 48	1.5	.5	.5	.20	300	1.0	N	N	20	200	1.5	N
AN3671S	46 9 53	112 56 48	1.5	.5	.5	.20	300	1.0	N	N	30	200	1.5	N
AN3673S	46 9 33	112 56 2	1.5	.5	.3	.20	300	2.0	N	N	50	200	1.5	<10
AN3675S	46 9 29	112 54 30	2.0	.7	1.0	.20	300	3.0	N	N	30	300	2.0	<10
AN3684S	46 6 48	112 55 10	3.0	2.0	2.0	.30	700	3.0	N	N	10	700	3.0	15
AN3686S	46 6 41	112 57 36	5.0	2.0	1.5	.70	1,500	.5	200	N	150	1,500	3.0	<10
AN3688S	46 6 25	112 58 36	1.5	.5	.5	.20	500	<.5	N	N	70	500	1.5	N
AN3690S	46 6 51	112 59 29	1.5	.5	1.0	.15	700	<.5	N	N	50	700	3.0	N
AN3692S	46 7 32	112 59 47	1.5	.7	.7	.20	300	N	N	N	100	500	3.0	N
AN3748S	46 13 31	112 58 7	1.0	.7	.5	.15	700	N	N	N	70	300	1.5	N
AN3750S	46 14 8	112 55 35	1.0	.5	1.5	.15	300	N	N	N	100	200	1.0	N
AN5628S	46 6 30	112 45 10	5.0	3.0	5.0	.70	1,500	N	N	N	10	700	2.0	N
AN5705S	46 10 8	112 45 14	10.0	1.5	2.0	.70	1,500	N	N	N	<10	700	1.0	N
AN5707S	46 10 3	112 45 14	5.0	1.5	3.0	.50	1,000	N	N	N	10	500	1.5	N
AN6265S	46 10 18	112 59 11	1.5	1.0	1.0	.20	300	N	N	N	15	500	1.5	<10
AN6267S	46 1 51	112 59 0	1.5	1.0	1.5	.15	300	N	N	N	10	500	1.0	N
AN6269S	46 3 34	112 58 27	1.5	.7	2.0	.15	700	.7	N	N	15	500	1.0	10
AN6934S	46 0 13	112 57 11	1.5	1.0	2.0	.15	300	N	N	N	15	500	<1.0	N
AN6936S	46 0 59	112 58 44	2.0	1.5	1.5	.30	300	N	N	N	15	500	1.0	N
AN6938S	46 3 18	112 58 51	1.0	.7	1.5	.15	300	N	N	N	30	300	<1.0	N
AN6954S	46 3 24	112 59 7	3.0	2.0	3.0	.30	700	.7	N	N	<10	1,000	2.0	10
AN6956S	46 2 57	112 53 55	3.0	3.0	3.0	.20	1,000	N	N	N	N	1,000	1.5	N
AN6958S	46 2 48	112 50 47	5.0	1.5	1.5	.50	1,000	N	N	N	50	700	2.0	N
AN6960S	46 1 48	112 49 33	5.0	2.0	2.0	.50	1,500	N	N	N	<10	1,000	1.5	N
AN6962S	46 2 5	112 49 30	5.0	1.5	2.0	.50	700	N	N	N	10	700	3.0	N
AN6964S	46 5 7	112 55 16	3.0	2.0	2.0	.50	1,000	N	N	N	N	1,500	2.0	<10
AN6966S	46 0 54	112 46 22	5.0	3.0	3.0	.50	1,000	N	N	N	N	700	1.5	<10
AN6968S	46 14 33	112 51 0	3.0	1.0	1.5	.30	700	<.5	N	N	100	700	2.0	N
AN6973S	46 13 43	112 51 37	3.0	.7	1.0	.30	1,000	2.0	200	N	70	700	2.0	15
AN6975S	46 12 12	112 54 33	2.0	1.0	1.5	.20	700	<.5	N	N	10	1,000	1.5	N
AN6977S	46 12 33	112 55 11	3.0	1.0	1.5	.20	700	N	N	N	10	1,000	1.5	N
AN7817S	46 3 9	112 45 7	3.0	1.0	1.5	.30	500	<.5	N	N	70	500	2.0	<10
BUN2173S	46 5 41	112 30 40	7.0	1.5	3.0	.70	1,500	N	N	N	200	300	1.0	N
BUN2175S	46 6 58	112 31 42	3.0	2.0	3.0	.30	1,500	N	N	N	20	700	1.5	N
BUN2177S	46 5 22	112 33 4	3.0	2.0	2.0	.30	1,000	N	N	N	N	700	2.0	N
BUN2179S	46 13 14	112 41 51	2.0	.3	1.5	.20	700	N	N	N	N	300	2.0	N
BUN2181S	46 14 12	112 43 11	20.0	.7	1.5	.30	700	N	N	N	N	500	1.5	N
BUN2183S	46 14 15	112 43 48	3.0	.7	2.0	.20	500	N	N	N	20	700	2.0	N
BUN2185S	46 13 10	112 44 51	5.0	.7	1.5	.20	700	N	N	N	15	300	<1.0	N
BUN2187S	46 11 44	112 44 28	3.0	.7	2.0	.30	700	<.5	N	N	15	500	2.0	N
BUN2189S	46 10 46	112 42 31	10.0	1.5	3.0	.20	1,000	N	N	N	10	150	1.5	N
BUN2191S	46 10 37	112 42 19	10.0	1.5	2.0	.30	1,000	N	N	N	10	200	1.0	N
BUN2193S	46 8 55	112 42 38	7.0	2.0	3.0	.70	1,000	N	N	N	10	200	1.5	N
BUN2195S	46 10 4	112 43 37	20.0	1.5	2.0	.50	1,500	N	N	N	N	150	<1.0	N
BUN3111S	46 7 54	112 39 53	1.5	.7	1.5	.15	300	<.5	N	N	15	700	3.0	N

LATITUDE 46°00'-46°30' LONGITUDE 112°30'-113°00'

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

SAMPLE	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN
AN3669S	N	7	30	200	30	N	N	15	30	N	5	N	200	30	N	10	N
AN3671S	N	5	50	200	20	N	N	15	30	N	5	N	200	30	N	15	N
AN3673S	N	7	50	500	20	N	N	10	70	N	5	N	150	30	N	15	N
AN3675S	N	7	50	700	<20	N	N	10	70	N	5	N	300	30	N	10	<200
AN3684S	N	10	100	2,000	30	N	N	50	200	N	10	N	700	70	N	20	300
AN3686S	N	20	100	300	50	N	N	70	70	N	20	N	150	150	N	50	N
AN3688S	N	7	20	150	30	N	N	15	70	N	5	N	200	50	N	10	N
AN3690S	N	7	15	150	30	N	N	10	70	N	5	N	500	30	N	15	N
AN3692S	N	7	20	30	30	N	N	10	30	N	5	N	300	50	N	15	N
AN3748S	N	7	10	20	20	N	N	10	30	N	5	N	150	30	N	10	N
AN3750S	N	5	20	20	20	N	N	10	20	N	5	N	N	30	N	10	N
AN5628S	N	15	50	70	70	N	N	20	50	N	30	N	500	150	N	100	N
AN5705S	N	15	70	100	70	N	N	20	100	N	15	N	500	700	N	50	N
AN5707S	N	10	15	70	70	N	N	15	50	N	10	N	500	150	N	30	N
AN6265S	N	7	30	100	20	N	N	20	50	N	5	N	500	30	N	10	N
AN6267S	N	7	70	70	20	N	N	20	30	N	5	N	700	20	N	10	<200
AN6269S	N	7	50	200	20	N	N	20	100	N	5	<10	500	20	N	10	<200
AN6934S	N	5	15	20	20	N	N	15	50	N	<5	N	500	20	N	<10	N
AN6936S	N	7	100	50	20	N	N	30	50	N	7	N	500	50	N	10	N
AN6938S	N	7	15	30	20	N	N	10	50	N	5	N	300	30	N	10	N
AN6954S	N	10	150	150	20	N	N	50	150	N	15	N	700	100	N	20	N
AN6956S	N	7	100	30	30	N	N	30	50	N	15	N	1,000	70	N	20	N
AN6958S	N	10	50	30	50	N	N	15	30	N	10	N	300	100	N	30	N
AN6960S	N	10	70	30	50	N	N	20	30	N	20	N	700	150	N	50	N
AN6962S	N	10	30	100	50	N	N	20	30	N	10	N	300	150	N	30	N
AN6964S	N	10	70	200	30	N	N	50	200	N	7	N	700	70	N	10	N
AN6966S	N	10	150	150	50	N	N	50	100	N	15	N	1,000	100	N	30	N
AN6968S	N	7	50	150	30	N	N	15	70	N	7	N	300	70	N	50	N
AN6973S	N	7	70	500	50	N	N	10	200	N	7	N	300	70	N	30	300
AN6975S	N	7	70	100	50	N	N	20	70	N	5	N	700	50	N	<10	N
AN6977S	N	7	70	50	30	N	N	20	70	N	5	N	700	50	N	10	N
AN7817S	N	7	50	150	30	N	<20	20	70	N	10	N	300	100	N	30	N
BUN2173S	N	10	50	50	30	N	N	15	50	N	15	N	500	300	N	30	N
BUN2175S	N	10	100	30	50	N	N	30	30	N	10	N	500	100	N	20	N
BUN2177S	N	10	150	30	30	N	N	50	30	N	10	N	700	100	N	20	N
BUN2179S	N	5	15	30	200	N	<20	5	30	N	<5	N	500	70	N	20	N
BUN2181S	N	15	150	70	20	N	N	30	50	N	7	N	300	700	N	30	N
BUN2183S	N	5	30	30	30	N	N	7	50	N	5	N	500	100	N	20	N
BUN2185S	N	7	70	100	30	N	N	7	50	N	5	N	300	150	N	20	N
BUN2187S	N	7	30	50	50	N	N	7	50	N	10	N	300	100	N	30	N
BUN2189S	N	10	70	70	50	N	N	20	50	N	15	N	300	200	N	30	N
BUN2191S	N	10	70	70	50	N	N	10	30	N	15	N	300	150	N	30	N
BUN2193S	N	10	30	30	100	N	20	10	30	N	20	N	300	150	N	70	N
BUN2195S	N	20	100	100	300	N	N	10	50	N	10	N	200	700	N	100	N
BUN3111S	N	10	50	50	30	N	N	20	50	N	7	N	500	50	N	15	200

LATITUDE 46°00'-46°30' LONGITUDE 112°30'-113°00'

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

SAMPLE	S-ZR	S-TH	AA-CU	AA-PB	AA-ZN	AA-AG	AA-CD	AA-BI	AA-SB
AN3669S	150	N	170	43	90	1.45	1.40	4	4
AN3671S	200	N	200	34	70	1.10	1.80	3	3
AN3673S	100	N	400	140	150	2.45	7.00	12	7
AN3675S	150	N	500	100	150	3.70	3.90	10	11
AN3684S	150	N	1,800	200	300	2.50	8.90	15	10
AN3686S	200	N	250	73	150	1.21	3.90	10	8
AN3688S	200	N	92	44	63	.25	1.40	2	3
AN3690S	200	N	97	38	60	.39	1.65	2	2
AN3692S	150	N	38	18	53	.14	.80	<1	2
AN3748S	100	N	52	32	55	<.05	2.10	2	2
AN3750S	100	N	18	11	22	.07	.70	1	2
AN5628S	150	N	52	25	48	.36	1.65	3	N
AN5705S	700	N	320	49	68	.50	4.39	6	N
AN5707S	300	N	78	32	41	.46	2.48	3	N
AN6265S	70	N	130	67	103	.36	2.90	7	5
AN6267S	50	N	52	26	150	.12	1.20	2	4
AN6269S	70	N	200	200	150	1.04	12.60	18	5
AN6934S	70	N	35	23	34	.14	1.25	2	1
AN6936S	100	N	44	23	33	.13	1.75	3	2
AN6938S	100	N	38	29	51	.16	1.40	3	1
AN6954S	150	N	140	75	80	.36	3.05	8	4
AN6956S	100	N	17	17	20	<.05	.50	1	2
AN6958S	200	N	8	7	7	<.05	.15	<1	2
AN6960S	200	N	14	10	20	<.05	.40	1	1
AN6962S	100	N	58	20	50	.16	1.25	2	3
AN6964S	150	N	200	200	130	.27	4.65	8	5
AN6966S	1,000	N	130	56	110	.30	3.90	5	3
AN6968S	200	N	77	25	70	.22	1.00	2	2
AN6973S	200	N	250	150	140	1.65	3.90	13	11
AN6975S	100	N	105	38	60	.25	1.15	3	4
AN6977S	150	N	46	24	35	.07	.83	1	2
AN7817S	150	N	110	54	120	.49	3.50	4	2
BUN2173S	70	N	16	19	45	.13	.45	2	1
BUN2175S	150	N	15	14	47	.10	.45	1	1
BUN2177S	200	N	25	31	43	.18	.40	1	N
BUN2179S	50	N	13	9	28	<.05	.25	1	1
BUN2181S	300	N	38	27	45	.18	.90	2	1
BUN2183S	200	N	23	18	38	.09	.65	1	1
BUN2185S	200	N	53	23	44	.22	.95	2	1
BUN2187S	150	N	49	24	47	.13	1.45	2	1
BUN2189S	150	N	53	20	45	.10	.80	2	1
BUN2191S	300	N	24	10	38	.07	.35	1	N
BUN2193S	500	150	18	8	32	.07	.25	1	N
BUN2195S	>1,000	<100	30	20	36	.06	.40	2	N
BUN3111S	70	N	36	21	74	.17	1.40	1	N

LATITUDE 46°00'-46°30' LONGITUDE 112°30'-113°00'

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

SAMPLE	LATITUDE	LONGITUDEE	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE	S-BI
BUN3113S	46 7 51	112 39 58	2.0	.5	1.5	.15	700	N	N	N	20	700	3.0	N
BUN3115S	46 6 57	112 38 30	1.5	.7	1.0	.20	1,000	.5	N	N	20	700	3.0	<10
BUN3117S	46 9 16	112 38 20	2.0	.5	.5	.15	700	<.5	N	N	30	700	5.0	N
BUN3119S	46 9 8	112 38 20	3.0	.7	.7	.15	1,500	<.5	N	N	20	700	3.0	N
BUN3121S	46 8 20	112 37 43	1.5	.7	2.0	.15	500	N	N	N	30	700	3.0	N
BUN3123S	46 8 15	112 36 49	1.5	.7	2.0	.15	1,000	N	N	N	30	700	3.0	N
BUN3125S	46 8 7	112 36 42	1.5	1.0	3.0	.15	500	N	N	N	10	700	2.0	N
BUN4774S	46 6 29	112 33 45	3.0	3.0	3.0	.20	1,000	N	N	N	N	1,000	1.5	N
BUN4776S	46 6 30	112 33 50	3.0	2.0	3.0	.30	700	N	N	N	10	1,000	2.0	N
BUN4779S	46 5 18	112 35 3	5.0	3.0	5.0	.50	1,000	N	N	N	N	1,500	1.5	N
BUN4781S	46 5 39	112 35 50	2.0	1.0	3.0	.20	500	N	N	N	30	1,500	2.0	N
BUN4783S	46 3 27	112 37 8	3.0	7.0	1.5	.50	700	N	N	N	30	1,000	3.0	N
BUN4785S	46 4 42	112 37 12	3.0	1.5	3.0	.20	700	N	N	N	10	1,000	1.5	N
BUN4786S	46 5 2	112 36 50	2.0	7.0	1.5	.30	1,000	<.5	N	N	30	1,500	2.0	N
BUN4788S	46 6 17	112 40 13	3.0	2.0	3.0	.30	700	.7	N	N	10	1,000	1.5	N
BUN4789S	46 5 42	112 39 8	5.0	1.0	1.5	.30	3,000	.7	N	N	30	1,000	2.0	<10
BUN4790S	46 5 28	112 36 59	2.0	1.0	2.0	.20	500	N	N	N	20	1,500	1.5	N
BUN4791S	46 6 5	112 39 39	3.0	.7	2.0	.30	700	.7	N	N	20	1,500	2.0	10
BUN4793S	46 6 11	112 37 15	5.0	1.5	2.0	.50	1,500	N	N	N	30	1,500	1.5	N
BUN4795S	46 7 29	112 43 24	10.0	1.5	3.0	.70	1,000	N	N	N	10	300	1.5	N
BUN4797S	46 7 35	112 43 20	15.0	1.0	3.0	.70	1,000	N	N	N	N	700	1.5	N
BUN4799S	46 7 52	112 43 31	15.0	1.5	3.0	.70	1,500	N	N	N	N	700	1.5	N
BUN5614S	46 3 42	112 44 4	15.0	1.5	2.0	.50	1,000	N	N	N	N	1,000	1.0	N
BUN5616S	46 3 52	112 44 43	7.0	1.5	1.5	.50	700	1.0	N	N	20	1,000	2.0	N
BUN5620S	46 5 14	112 41 52	3.0	1.0	2.0	.30	700	.5	N	N	10	1,000	2.0	N
BUN5622S	46 5 14	112 41 45	3.0	1.0	2.0	.30	3,000	N	N	N	10	1,000	1.5	N
BUN5624S	46 5 14	112 41 45	3.0	1.0	2.0	.30	3,000	.7	N	N	15	1,000	2.0	N
BUN5626S	46 4 52	112 41 51	3.0	1.5	2.0	.30	700	N	N	N	10	1,000	1.5	N
BUN5701S	46 8 16	112 43 37	3.0	1.0	3.0	.30	700	N	N	N	10	700	2.0	N
BUN5703S	46 9 3	112 44 56	15.0	1.5	2.0	.70	2,000	N	N	N	N	700	1.0	N
BUN5709S	46 9 41	112 40 30	7.0	2.0	3.0	.30	2,000	N	N	N	<10	700	1.0	N
BUN5711S	46 10 25	112 40 38	3.0	1.5	2.0	.15	1,000	N	N	N	10	700	1.5	N
BUN5713S	46 12 0	112 42 40	7.0	1.0	2.0	.30	700	N	N	N	10	700	1.5	N
BUN5714S	46 11 56	112 41 59	3.0	1.0	1.5	.50	700	N	N	N	15	500	2.0	N
BUN5752S	46 14 11	112 34 12	10.0	1.5	2.0	.70	2,000	N	N	N	70	700	2.0	N
BUN5754S	46 14 16	112 33 28	5.0	1.0	1.5	.50	1,500	2.0	N	N	50	700	2.0	N
BUN5761S	46 14 39	112 31 27	3.0	.7	2.0	.30	700	N	N	N	50	1,000	3.0	N
BUN5763S	46 14 52	112 32 13	10.0	1.0	2.0	.70	1,000	<.5	N	N	30	700	1.5	N
BUN5765S	46 13 52	112 31 57	2.0	1.0	3.0	.30	1,500	N	N	N	20	1,500	2.0	N
BUN5767S	46 13 20	112 31 58	3.0	1.0	2.0	.30	300	N	N	N	20	1,000	2.0	N
BUN5769S	46 12 59	112 32 23	2.0	1.0	3.0	.20	1,000	N	N	N	15	700	2.0	N
BUN5771S	46 11 50	112 32 35	1.5	1.0	1.5	.15	1,000	N	N	N	15	1,000	2.0	N
BUN5773S	46 11 14	112 32 33	1.5	.5	3.0	.20	1,000	N	N	N	20	700	2.0	N
BUN5775S	46 11 16	112 33 1	1.5	.5	3.0	.20	2,000	.5	N	N	15	1,000	2.0	N
BUN5777S	46 12 23	112 32 52	5.0	1.0	1.5	.30	1,500	<.5	N	N	50	1,000	3.0	N

LATITUDE 46°00'-46°30' LONGITUDE 112°30'-113°00'

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

SAMPLE	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN
BUN3113S	N	7	70	70	30	N	N	20	50	N	7	N	500	50	N	15	N
BUN3115S	N	7	50	100	30	N	N	20	100	N	5	N	300	50	N	15	300
BUN3117S	N	7	70	30	50	N	N	30	50	N	5	<10	300	50	N	15	<200
BUN3119S	N	10	70	50	20	N	N	30	50	N	7	N	300	70	N	15	N
BUN3121S	N	7	70	20	20	N	N	15	50	N	5	N	700	30	N	15	N
BUN3123S	N	7	50	30	30	N	N	20	50	N	5	N	700	30	N	15	N
BUN3125S	N	7	70	15	20	N	N	20	30	N	5	N	100	50	N	10	N
BUN4774S	N	10	150	30	20	N	N	30	50	N	10	30	700	70	N	20	N
BUN4776S	N	10	100	50	20	N	N	30	50	N	10	N	1,000	70	N	15	N
BUN4779S	N	15	150	30	200	N	N	70	30	N	15	N	1,500	100	N	20	N
BUN4781S	N	7	50	20	20	N	N	15	70	N	5	N	1,500	30	N	<10	N
BUN4783S	N	7	30	70	50	N	<20	15	70	N	5	N	500	50	N	20	N
BUN4785S	N	7	100	30	30	N	N	30	50	N	5	N	1,000	50	N	10	N
BUN4786S	N	7	50	50	30	N	N	20	50	N	5	N	500	70	N	15	N
BUN4788S	N	10	150	30	20	N	N	50	30	N	7	N	1,000	70	N	10	N
BUN4789S	N	30	100	150	20	<5	N	70	70	N	10	N	500	100	N	15	N
BUN4790S	N	7	70	30	30	N	N	15	30	N	5	N	1,000	50	N	<10	N
BUN4791S	N	7	50	200	70	N	N	20	150	N	5	N	700	70	N	15	N
BUN4793S	N	10	70	70	30	N	N	20	50	N	7	N	700	70	N	15	N
BUN4795S	N	15	70	100	150	N	<20	15	50	N	10	N	500	300	N	70	N
BUN4797S	N	15	100	30	150	N	<20	15	50	N	10	N	500	700	N	100	N
BUN4799S	N	15	50	50	100	N	<20	20	50	N	10	N	500	500	N	50	N
BUN5614S	N	10	100	50	50	N	N	30	30	N	10	N	500	500	N	30	N
BUN5616S	N	10	150	150	50	N	N	50	70	N	10	N	500	150	<50	30	N
BUN5620S	N	10	70	150	30	N	N	30	500	N	5	150	500	70	N	15	N
BUN5622S	N	10	100	70	150	N	N	20	50	N	7	N	700	70	N	20	N
BUN5624S	N	10	50	100	100	N	N	20	70	N	7	N	700	70	N	20	N
BUN5626S	N	10	150	30	30	N	N	70	30	N	10	N	700	100	N	15	N
BUN5701S	N	7	15	30	50	N	N	10	30	N	7	N	700	70	N	30	N
BUN5703S	N	20	100	50	70	N	<20	20	50	N	15	N	500	700	N	70	N
BUN5709S	N	10	20	30	30	N	N	10	30	N	15	N	500	200	N	30	N
BUN5711S	N	7	50	50	50	N	N	5	30	N	7	N	300	70	N	20	N
BUN5713S	N	7	50	50	30	N	N	7	50	N	7	N	500	300	N	20	N
BUN5714S	N	7	50	70	50	N	N	15	30	N	7	N	300	100	N	30	N
BUN5752S	N	7	20	50	30	N	<20	7	50	N	7	N	200	100	N	20	N
BUN5754S	N	10	50	70	50	<5	<20	7	50	N	10	N	200	150	N	50	N
BUN5761S	N	7	50	20	30	N	N	20	30	N	7	N	700	70	N	30	N
BUN5763S	N	10	50	70	50	<5	<20	7	50	N	7	N	300	200	N	30	N
BUN5765S	N	7	100	30	30	N	N	30	30	N	5	N	1,000	50	N	20	N
BUN5767S	N	7	100	20	30	N	N	30	30	N	7	N	700	50	N	20	N
BUN5769S	N	7	70	20	30	N	N	30	30	N	5	N	1,500	50	N	15	N
BUN5771S	N	5	50	15	20	N	N	15	50	N	5	N	700	20	N	<10	N
BUN5773S	N	5	30	20	30	N	N	10	30	N	<5	N	1,000	20	N	10	N
BUN5775S	N	5	50	15	30	N	N	10	30	N	<5	N	1,000	30	N	<10	N
BUN5777S	N	7	70	15	30	N	<20	30	30	N	7	N	500	70	N	20	N

LATITUDE 46°00'-46°30' LONGITUDE 112°30'-113°00'

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

SAMPLE	S-ZR	S-TH	AA-CU	AA-PB	AA-ZN	AA-AG	AA-CD	AA-BI	AA-SB
BUN3113S	100	N	77	30	68	.27	1.65	3	1
BUN3115S	100	N	140	30	140	.51	4.20	9	2
BUN3117S	100	N	29	34	86	.38	1.10	1	1
BUN3119S	100	N	63	38	92	.62	1.75	2	1
BUN3121S	50	N	22	13	16	.09	.45	1	N
BUN3123S	150	N	17	9	20	.08	.40	1	N
BUN3125S	150	N	8	5	10	.05	.20	1	N
BUN4774S	100	N	22	19	23	.11	.60	1	N
BUN4776S	150	N	29	25	37	.15	.95	1	N
BUN4779S	200	N	11	12	25	.06	.40	<1	N
BUN4781S	150	N	12	13	12	.07	.45	<1	N
BUN4783S	200	N	41	25	38	.21	1.05	1	N
BUN4785S	30	N	16	12	29	.07	.40	<1	N
BUN4786S	300	--	38	26	36	.19	.90	1	3
BUN4788S	100	N	17	12	19	.08	.35	<1	N
BUN4789S	150	N	170	66	70	.82	2.80	7	3
BUN4790S	100	N	20	10	18	.08	.40	1	N
BUN4791S	150	N	230	87	120	.59	5.20	9	2
BUN4793S	300	N	41	29	54	.19	1.05	2	1
BUN4795S	500	N	65	29	50	.40	1.91	3	N
BUN4797S	300	N	17	11	20	.09	.83	<1	N
BUN4799S	300	N	36	20	33	.19	1.64	1	N
BUN5614S	300	N	33	22	41	.25	.90	2	1
BUN5616S	300	N	150	49	76	.72	2.55	5	4
BUN5620S	200	N	150	360	89	.50	2.60	4	N
BUN5622S	200	N	65	32	72	.35	1.65	2	N
BUN5624S	200	N	90	35	79	.68	3.46	4	N
BUN5626S	150	N	37	20	26	.19	1.32	<1	N
BUN5701S	150	N	20	9	18	.14	.91	1	N
BUN5703S	1,000	N	21	24	24	.11	1.51	3	N
BUN5709S	150	N	20	11	19	.10	.93	1	N
BUN5711S	300	N	30	12	30	.12	.98	<1	N
BUN5713S	300	N	47	19	28	.22	1.28	2	N
BUN5714S	300	N	84	17	20	.38	1.15	3	N
BUN5752S	700	N	29	19	68	.38	.60	1	1
BUN5754S	>1,000	N	54	21	79	1.83	.95	1	2
BUN5761S	200	N	10	8	28	.20	.30	<1	1
BUN5763S	300	N	30	14	37	.37	.45	<1	1
BUN5765S	150	N	17	11	28	.25	.45	<1	1
BUN5767S	200	N	13	7	4	<.05	.15	<1	1
BUN5769S	100	N	13	10	24	.22	.30	<1	1
BUN5771S	100	N	14	10	40	.22	.45	<1	1
BUN5773S	100	N	13	9	23	.21	.45	<1	1
BUN5775S	100	N	9	7	39	.23	.40	<1	1
BUN5777S	200	N	10	22	14	.39	.10	<1	1

LATITUDE 46°00'-46°30' LONGITUDE 112°30'-113°00'

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

SAMPLE	LATITUDE	LONGITUDEE	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE	S-BI
BUN5779S	46 13 16	112 32 49	2.0	.7	1.0	.30	700	N	N	N	70	1,000	7.0	N
BUN6895S	46 2 41	112 38 50	3.0	1.0	2.0	.30	1,500	<.5	N	N	15	1,000	2.0	<10
BUN6897S	46 2 44	112 39 2	2.0	1.0	3.0	.30	700	<.5	N	N	20	1,000	2.0	<10
BUN6899S	46 3 46	112 39 40	5.0	2.0	3.0	.50	1,500	N	N	N	<10	1,500	3.0	N
BUN7801S	46 1 36	112 40 1	3.0	1.0	1.0	.30	1,000	1.0	N	N	30	700	5.0	10
BUN7802S	46 1 37	112 40 14	5.0	1.5	1.5	.50	1,000	1.5	<200	N	30	1,000	3.0	10
BUN7803S	46 3 10	112 41 46	3.0	2.0	3.0	.30	1,000	<.5	N	N	15	700	1.5	N
BUN7805S	46 3 10	112 41 49	3.0	1.5	2.0	.30	700	<.5	N	N	30	700	2.0	<10
BUN7807S	46 2 42	112 41 9	3.0	2.0	2.0	.50	1,000	1.5	N	N	20	1,000	2.0	10
BUN7809S	46 1 51	112 41 47	3.0	2.0	2.0	.30	1,000	.7	N	N	20	700	2.0	10
BUN7811S	46 1 27	112 43 19	1.5	.7	2.0	.07	300	N	N	N	15	700	1.5	N
BUN7813S	46 1 45	112 43 35	1.5	1.0	1.5	.20	300	<.5	N	N	20	1,000	2.0	N
BUN7815S	46 2 57	112 44 45	3.0	1.0	2.0	.70	500	<.5	N	N	20	700	5.0	<10
BUN8926S	46 13 56	112 39 56	15.0	1.5	3.0	.70	1,000	N	N	N	50	700	<1.0	N
BUN8928S	46 13 22	112 41 32	3.0	1.5	3.0	.70	700	N	N	N	20	700	2.0	N
BUN8930S	46 13 1	112 36 42	2.0	.7	1.5	.30	1,500	N	N	N	100	1,000	10.0	N
BUN8933S	46 12 14	112 38 45	5.0	1.0	1.5	.70	1,500	<.5	N	N	200	1,000	3.0	N
BUN8935S	46 12 16	112 38 17	5.0	1.0	1.5	.50	1,500	N	N	N	50	700	1.5	N
BUN8937S	46 11 21	112 36 20	2.0	.7	1.5	.20	3,000	<.5	N	N	30	1,000	3.0	N
BUN8939S	46 11 26	112 36 22	1.5	.5	1.0	.20	3,000	1.0	N	N	30	1,000	5.0	N
BUN8941S	46 11 37	112 37 38	3.0	1.0	.7	.50	300	N	N	N	70	1,500	2.0	N
BUN8944S	46 8 7	112 35 32	1.5	1.0	1.5	.30	700	N	N	N	<10	1,000	2.0	N
BUN8945S	46 8 9	112 34 24	2.0	1.5	2.0	.30	1,000	<.5	N	N	15	1,000	2.0	N
BUN8946S	46 8 7	112 32 35	1.5	1.0	2.0	.15	500	N	N	N	10	1,000	1.5	N
BUN8948S	46 8 41	112 32 2	2.0	1.5	3.0	.30	700	N	N	N	<10	1,000	1.5	N
BUN8950S	46 9 38	112 32 23	2.0	1.0	2.0	.30	1,000	N	N	N	15	1,000	2.0	N
BUN8952S	46 9 34	112 32 50	1.5	.7	2.0	.20	1,000	N	N	N	30	1,000	3.0	N
BUN8954S	46 9 34	112 32 50	1.5	.7	1.5	.15	700	N	N	N	30	1,000	5.0	N
BUN8956S	46 9 17	112 33 33	2.0	1.0	1.5	.20	1,000	<.5	N	N	10	1,000	5.0	<10
BUN8958S	46 9 22	112 33 59	1.5	1.0	2.0	.15	700	N	N	N	N	1,000	2.0	N
CON4684S	46 23 55	112 45 54	3.0	1.5	2.0	.30	700	<.5	N	N	70	1,000	3.0	N
CON4686S	46 23 38	112 51 51	5.0	1.0	1.5	.30	1,000	1.5	N	N	100	700	2.0	<10
CON4688S	46 24 16	112 47 37	3.0	1.0	1.5	.30	700	N	N	N	50	700	2.0	N
CON4690S	46 24 52	112 51 12	2.0	.7	1.5	.30	1,500	<.5	N	N	70	500	2.0	<10
CON4692S	46 25 4	112 50 59	3.0	1.0	1.0	.30	1,500	1.0	N	N	70	1,000	2.0	10
CON4694S	46 24 51	112 45 11	3.0	1.0	1.0	.30	1,000	<.5	N	N	100	1,000	3.0	N
CON4696S	46 25 37	112 46 22	3.0	1.5	1.5	.30	700	N	N	N	50	700	2.0	N
CON4698S	46 25 18	112 47 54	3.0	1.0	1.0	.30	1,000	N	N	N	50	1,000	2.0	N
CON4758S	46 26 4	112 50 12	2.0	1.0	2.0	.20	700	N	N	N	70	700	1.5	N
CON5600S	46 26 4	112 46 31	3.0	1.0	1.5	.30	1,000	N	N	N	70	1,000	2.0	N
CON5602S	46 27 1	112 46 59	3.0	2.0	5.0	.30	1,000	N	N	N	70	1,000	2.0	N
CON5604S	46 27 48	112 47 45	3.0	1.5	2.0	.30	700	N	N	N	50	1,000	1.5	N
CON5606S	46 28 11	112 49 23	3.0	1.5	3.0	.30	1,000	N	N	N	50	1,000	1.5	N
CON5608S	46 28 11	112 49 23	3.0	1.5	3.0	.30	700	N	N	N	50	700	1.5	N
CON5610S	46 28 17	112 49 15	3.0	1.5	3.0	.30	1,000	N	N	N	50	1,000	2.0	N

LATITUDE 46°00'-46°30' LONGITUDE 112°30'-113°00'

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

SAMPLE	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN
BUN5779S	N	7	50	20	30	N	20	15	50	N	5	N	500	50	N	30	N
BUN6895S	N	10	70	100	30	N	N	30	70	N	7	N	700	70	N	15	N
BUN6897S	N	7	70	100	50	N	N	30	70	N	5	N	700	50	N	15	N
BUN6899S	N	20	150	70	30	N	N	150	50	N	15	N	700	70	N	20	N
BUN7801S	N	10	70	150	30	N	N	30	150	N	7	N	300	70	N	20	200
BUN7802S	N	15	100	200	50	N	<20	30	150	N	10	N	700	100	N	20	N
BUN7803S	N	15	150	70	20	N	N	50	50	N	7	N	700	70	N	10	N
BUN7805S	N	10	70	100	30	N	N	30	70	N	7	N	700	50	N	15	N
BUN7807S	N	10	100	200	30	N	N	50	150	N	10	N	500	100	N	20	N
BUN7809S	N	15	100	200	50	N	N	50	100	N	10	<10	700	70	N	15	N
BUN7811S	N	<5	20	50	<20	N	N	7	50	N	<5	N	1,000	15	N	<10	N
BUN7813S	N	7	30	70	30	N	N	15	70	N	5	N	700	50	N	15	N
BUN7815S	N	10	70	150	50	N	N	70	50	N	10	N	500	100	N	20	200
BUN8926S	N	15	100	30	150	N	<20	15	30	N	7	N	300	700	N	70	N
BUN8928S	N	10	20	50	70	N	20	10	50	N	10	N	700	100	N	30	N
BUN8930S	N	7	20	20	30	N	20	10	50	N	7	N	700	70	N	50	N
BUN8933S	N	10	50	70	50	N	<20	15	50	N	10	N	300	200	N	30	N
BUN8935S	N	10	50	30	70	N	<20	15	50	N	10	N	500	200	N	30	N
BUN8937S	N	7	70	30	30	N	N	20	50	N	7	N	700	70	N	15	N
BUN8939S	N	10	30	20	30	N	N	30	30	N	5	N	500	50	N	15	N
BUN8941S	N	5	70	<5	20	N	<20	20	30	N	5	N	500	70	N	<10	N
BUN8944S	N	7	100	70	20	N	<20	30	50	N	5	N	1,000	50	N	10	N
BUN8945S	N	10	70	100	20	N	N	30	70	N	7	N	700	70	N	20	N
BUN8946S	N	7	100	20	20	N	N	15	30	N	5	N	1,000	30	N	10	N
BUN8948S	N	10	100	10	50	N	N	30	30	N	7	N	1,000	70	N	20	N
BUN8950S	N	10	100	30	20	N	N	30	50	N	7	N	700	70	N	20	N
BUN8952S	N	7	50	20	30	N	N	20	50	N	5	N	1,000	50	N	20	N
BUN8954S	N	5	50	20	30	N	N	15	50	N	<5	N	700	30	N	15	N
BUN8956S	N	7	70	100	30	N	N	20	100	N	5	N	1,000	70	N	20	N
BUN8958S	N	7	70	10	20	N	N	15	30	N	5	N	1,000	50	N	10	N
CON4684S	N	7	50	70	50	N	N	20	50	N	10	N	300	100	N	30	N
CON4686S	N	10	100	150	20	N	N	30	150	N	10	N	200	100	N	30	200
CON4688S	N	7	50	50	70	N	N	20	30	N	7	N	200	70	N	30	N
CON4690S	N	7	50	150	30	N	N	20	70	N	7	N	200	70	N	20	<200
CON4692S	N	10	70	200	50	N	<20	30	100	N	10	N	200	100	N	30	<200
CON4694S	N	7	50	100	30	<5	<20	20	50	N	7	N	200	70	N	30	N
CON4696S	N	7	30	30	50	N	<20	15	30	N	7	N	300	100	N	30	N
CON4698S	N	7	50	50	100	N	<20	20	50	N	7	N	300	100	N	30	N
CON4758S	N	7	50	20	30	N	N	15	30	N	5	N	500	70	N	20	N
CON5600S	N	7	50	100	30	N	<20	20	70	N	10	N	200	100	N	50	N
CON5602S	N	10	150	30	50	N	N	50	30	N	10	N	500	100	N	30	N
CON5604S	N	7	70	30	30	N	N	20	30	N	10	N	500	100	N	20	N
CON5606S	N	7	70	50	30	N	N	20	30	N	10	N	500	150	N	30	N
CON5608S	N	7	50	30	30	N	N	15	30	N	7	N	300	100	N	30	N
CON5610S	N	7	70	70	50	<5	N	20	50	N	10	N	300	100	N	30	<200

LATITUDE 46°00'-46°30' LONGITUDE 112°30'-113°00'

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

SAMPLE	S-ZR	S-TH	AA-CU	AA-PB	AA-ZN	AA-AG	AA-CD	AA-BI	AA-SB
BUN5779S	200	N	13	15	32	.25	.35	<1	1
BUN6895S	150	N	99	47	70	.49	2.30	3	1
BUN6897S	150	N	100	46	63	.41	2.35	4	3
BUN6899S	150	N	39	34	62	.23	1.70	1	1
BUN7801S	200	N	200	92	180	.99	6.75	10	4
BUN7802S	200	N	220	77	94	1.20	2.80	10	7
BUN7803S	100	N	63	39	62	.25	1.90	1	1
BUN7805S	150	N	87	45	72	.32	2.65	3	2
BUN7807S	200	N	200	74	100	.78	4.50	7	3
BUN7809S	100	N	240	90	160	1.00	6.50	10	4
BUN7811S	30	N	90	58	86	.30	3.00	3	3
BUN7813S	150	N	70	39	40	.39	1.80	4	3
BUN7815S	150	N	24	24	20	.13	1.00	<1	<1
BUN8926S	>1,000	N	16	10	8	.15	.30	<1	N
BUN8928S	300	N	33	12	<1	<.05	.55	<1	N
BUN8930S	500	N	20	25	28	.23	.50	<1	N
BUN8933S	500	N	55	22	52	.26	1.95	<1	N
BUN8935S	500	N	26	15	41	.21	.55	<1	N
BUN8937S	150	N	20	24	47	.22	.50	<1	N
BUN8939S	150	N	19	19	106	.59	.60	<1	N
BUN8941S	150	N	3	9	<1	<.05	.35	<1	N
BUN8944S	150	N	61	23	21	.13	.75	1	1
BUN8945S	150	N	74	40	62	.20	1.45	2	N
BUN8946S	150	N	12	9	14	<.05	.30	<1	N
BUN8948S	200	N	5	5	8	<.05	.15	<1	N
BUN8950S	150	N	24	14	6	.09	.50	1	N
BUN8952S	100	N	15	10	<1	<.05	.45	1	N
BUN8954S	70	N	16	11	<1	<.05	.45	<1	N
BUN8956S	150	N	62	54	54	.25	1.90	4	1
BUN8958S	150	N	6	6	9	<.05	.20	<1	N
CON4684S	200	N	63	32	60	.28	1.25	1	1
CON4686S	200	N	190	92	120	1.57	3.85	5	1
CON4688S	200	N	34	19	27	.15	.75	<1	N
CON4690S	150	N	210	57	70	.78	2.90	3	1
CON4692S	300	N	260	87	100	1.04	4.30	8	2
CON4694S	200	N	59	32	36	.23	.90	2	N
CON4696S	300	N	26	20	21	.08	.75	1	N
CON4698S	200	N	25	24	17	.08	.60	1	N
CON4758S	150	N	8	9	18	.07	.35	1	N
CON5600S	200	N	69	40	65	.27	1.80	2	N
CON5602S	200	N	25	15	23	.10	.40	<1	N
CON5604S	200	N	21	14	26	<.05	.40	<1	2
CON5606S	200	N	21	18	23	.11	.80	<1	2
CON5608S	200	N	18	17	22	.08	.70	1	1
CON5610S	200	N	50	33	65	.27	1.60	2	3

LATITUDE 46°00'-46°30' LONGITUDE 112°30'-113°00'

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

SAMPLE	LATITUDE	LONGITUDEE	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE	S-BI
CON5612S	46 28 44	112 46 9	3.0	1.0	1.5	.30	700	N	N	N	50	1,500	2.0	N
CON6979S	46 29 34	112 51 17	3.0	1.0	2.0	.30	700	<.5	N	N	50	700	2.0	N
CON6981S	46 29 3	112 51 58	2.0	1.0	2.0	.30	3,000	N	N	N	30	1,000	2.0	N
CON6983S	46 29 12	112 49 44	5.0	1.5	3.0	.50	2,000	<.5	N	N	20	1,500	1.5	N
CON6985S	46 23 55	112 45 54	1.5	.5	1.0	.15	1,000	<.5	N	N	<10	1,500	5.0	<10
DRL3562S	46 27 31	112 33 31	5.0	2.0	1.0	.50	700	N	N	N	30	500	1.5	N
DRL3564S	46 27 31	112 33 36	7.0	5.0	2.0	.50	1,000	N	N	N	20	500	1.0	N
DRL3566S	46 27 25	112 34 44	5.0	5.0	2.0	.30	1,500	N	N	N	10	500	1.5	N
DRL3570S	46 26 30	112 37 26	7.0	7.0	5.0	.50	1,500	N	N	N	N	500	1.0	N
DRL3577S	46 27 47	112 38 51	7.0	3.0	2.0	.50	1,500	N	N	N	15	500	1.0	N
DRL3579S	46 27 43	112 38 49	7.0	5.0	2.0	.70	1,000	N	N	N	15	500	1.5	N
DRL3581S	46 26 58	112 41 10	7.0	7.0	3.0	.70	1,000	N	N	N	10	700	1.0	N
DRL3583S	46 26 33	112 30 52	5.0	1.5	1.5	.50	1,000	.7	N	N	50	700	2.0	N
DRL3585S	46 27 55	112 31 12	5.0	1.0	.7	.70	1,000	1.0	N	N	70	700	2.0	N
DRL3587S	46 28 23	112 32 50	5.0	1.5	1.5	.70	1,000	N	N	N	70	500	1.5	N
DRL4760S	46 22 0	112 42 52	3.0	1.0	1.5	.30	1,500	N	N	N	20	1,500	1.5	N
DRL4762S	46 21 20	112 43 20	10.0	1.0	2.0	.70	1,000	N	N	N	200	700	1.5	N
DRL4764S	46 20 45	112 43 42	5.0	1.0	2.0	.50	700	N	N	N	100	700	3.0	N
DRL4766S	46 20 14	112 43 40	3.0	1.0	2.0	.70	1,000	N	N	N	50	1,000	3.0	N
DRL4768S	46 19 30	112 43 43	10.0	.7	1.5	.70	1,000	.7	N	N	50	1,000	1.5	<10
DRL4770S	46 18 10	112 40 58	3.0	1.0	2.0	.30	700	N	N	N	30	1,500	2.0	N
DRL4772S	46 16 40	112 40 25	7.0	1.5	2.0	.70	700	<.5	N	N	20	1,500	1.5	N
DRL5781S	46 29 38	112 42 56	7.0	2.0	2.0	.70	2,000	N	N	N	50	1,000	2.0	N
DRL5783S	46 29 38	112 42 56	3.0	1.5	2.0	.30	1,000	N	N	N	70	700	2.0	N
DRL5785S	46 29 37	112 42 48	5.0	1.5	2.0	.50	1,500	N	N	N	30	1,000	1.5	N
DRL5787S	46 29 1	112 42 7	10.0	2.0	2.0	1.00	1,500	N	N	N	30	1,000	1.5	N
DRL5789S	46 29 44	112 39 30	5.0	1.5	2.0	.70	1,000	N	N	N	30	1,000	1.5	N
DRL5794S	46 28 11	112 40 14	5.0	3.0	2.0	.70	1,500	N	N	N	20	500	1.5	N
DRL5796S	46 26 36	112 39 49	7.0	5.0	3.0	.70	200	N	N	N	<10	700	<1.0	N
DRL5798S	46 28 16	112 42 27	7.0	2.0	2.0	1.00	700	N	N	N	20	700	1.5	N
DRL8866S	46 22 33	112 33 22	5.0	2.0	2.0	.70	1,000	N	N	N	15	500	1.0	N
DRL8868S	46 22 10	112 35 35	7.0	2.0	2.0	.70	>5,000	30.0	5,000	N	50	500	1.5	N
DRL8872S	46 21 12	112 31 26	5.0	1.5	1.5	.70	1,000	N	N	N	20	700	1.5	N
DRL8874S	46 20 15	112 33 27	3.0	1.0	1.5	.50	1,000	<.5	N	N	50	700	2.0	N
DRL8876S	46 20 14	112 33 46	3.0	1.0	1.5	.50	1,000	<.5	N	N	100	700	2.0	N
DRL8878S	46 22 1	112 36 25	5.0	1.5	2.0	.50	1,500	<.5	N	N	30	700	1.5	N
DRL8880S	46 25 54	112 35 12	5.0	3.0	3.0	.70	1,500	N	N	N	15	500	1.0	N
DRL8882S	46 25 46	112 36 41	5.0	3.0	3.0	.50	1,000	N	N	N	10	500	1.0	N
DRL8884S	46 25 3	112 38 24	7.0	5.0	3.0	1.00	1,500	N	N	N	15	500	<1.0	N
DRL8886S	46 26 8	112 38 20	5.0	5.0	5.0	.50	1,500	N	N	N	N	500	<1.0	N
DRL8890S	46 24 7	112 37 51	5.0	3.0	1.5	.50	1,500	N	N	N	30	700	1.5	N
DRL8892S	46 24 15	112 34 18	5.0	3.0	3.0	.50	1,000	N	N	N	20	500	1.5	N
DRL8894S	46 24 1	112 34 55	3.0	2.0	2.0	.50	1,000	N	N	N	15	500	1.5	N
DRL8960S	46 23 48	112 32 7	3.0	3.0	1.5	.50	1,000	N	N	N	N	700	3.0	N
DRL8962S	46 23 40	112 31 41	5.0	1.5	1.5	.70	1,000	N	N	N	<10	700	2.0	N

LATITUDE 46°00'-46°30' LONGITUDE 112°30'-113°00'

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

SAMPLE	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN
CON5612S	N	10	70	50	50	N	<20	20	30	N	10	N	500	100	N	30	N
CON6979S	N	7	50	50	50	5	N	15	30	N	10	N	300	70	N	30	N
CON6981S	N	5	15	20	50	N	N	10	30	N	5	N	300	70	N	30	N
CON6983S	N	10	200	50	150	5	N	30	50	N	10	N	500	150	N	50	N
CON6985S	N	5	20	70	20	N	N	7	70	N	<5	N	500	30	N	15	N
DRL3562S	N	10	150	70	20	N	N	70	20	N	10	N	200	150	N	15	N
DRL3564S	N	20	700	70	20	N	N	150	30	N	20	N	300	200	N	15	N
DRL3566S	N	15	500	70	20	N	N	100	30	N	15	N	300	150	N	15	N
DRL3570S	N	30	700	70	20	N	N	150	20	N	20	N	500	200	N	20	N
DRL3577S	N	20	300	100	20	N	N	70	30	N	20	N	300	200	N	20	N
DRL3579S	N	20	700	70	20	N	N	150	30	N	15	N	300	200	N	20	N
DRL3581S	N	30	700	70	20	N	N	150	20	N	20	N	500	200	N	20	N
DRL3583S	N	15	100	50	30	5	<20	30	50	N	15	N	300	150	N	20	N
DRL3585S	N	10	70	30	30	N	<20	20	30	N	10	N	150	150	N	20	N
DRL3587S	N	15	150	50	50	10	<20	70	30	N	15	N	200	200	N	20	N
DRL4760S	N	10	100	30	50	N	<20	30	50	N	10	N	500	100	N	30	N
DRL4762S	N	15	150	50	70	N	<20	30	70	N	10	N	500	300	N	30	N
DRL4764S	N	10	50	50	50	N	<20	20	50	N	10	N	500	100	N	30	N
DRL4766S	N	7	20	50	70	N	<20	10	50	N	10	N	700	100	N	30	N
DRL4768S	N	10	100	200	100	N	N	15	100	N	10	N	500	300	N	30	N
DRL4770S	N	7	50	30	30	N	N	10	30	N	7	N	1,000	70	N	30	N
DRL4772S	N	15	200	100	20	N	N	70	50	N	15	N	1,000	100	N	20	N
DRL5781S	N	7	50	70	30	N	<20	15	30	N	7	N	200	100	N	30	N
DRL5783S	N	7	50	50	30	N	<20	20	30	N	7	N	300	100	N	20	N
DRL5785S	N	7	70	50	50	<5	<20	15	30	N	10	N	700	150	N	30	N
DRL5787S	N	10	200	70	50	N	<20	30	30	N	20	N	500	200	N	30	N
DRL5789S	N	10	70	70	50	N	<20	20	30	N	15	N	700	150	N	30	N
DRL5794S	N	15	200	70	30	N	N	50	30	N	15	N	200	200	N	20	N
DRL5796S	N	10	700	70	<20	N	N	150	30	N	15	N	300	200	N	15	N
DRL5798S	N	10	150	70	30	N	<20	30	50	N	15	N	300	200	N	30	N
DRL8866S	N	10	200	70	30	N	N	70	30	N	15	N	300	200	N	20	N
DRL8868S	N	15	100	150	20	N	<20	30	1,500	100	20	15	300	200	N	20	5,000
DRL8872S	N	7	50	20	30	N	<20	5	30	N	10	N	500	100	N	20	N
DRL8874S	N	7	15	30	50	N	<20	5	70	N	10	N	500	70	N	20	N
DRL8876S	N	7	20	30	70	N	<20	5	70	N	10	N	300	70	N	30	N
DRL8878S	N	15	100	50	50	N	N	30	50	N	15	N	500	150	N	30	500
DRL8880S	N	20	300	70	20	N	N	70	30	N	15	N	500	150	N	20	N
DRL8882S	N	20	700	30	20	N	N	100	20	N	15	N	500	200	N	20	N
DRL8884S	N	20	700	70	20	N	<20	150	20	N	15	N	300	300	N	20	N
DRL8886S	N	20	700	50	20	N	N	100	20	N	20	N	500	200	N	20	N
DRL8890S	N	20	300	70	20	N	N	100	30	N	15	N	200	150	N	20	N
DRL8892S	N	15	300	70	30	N	<20	70	30	N	15	N	300	200	N	15	N
DRL8894S	N	10	150	30	20	<5	N	30	50	N	10	N	500	150	N	15	N
DRL8960S	N	15	200	50	20	N	<20	70	30	N	15	N	300	150	N	30	N
DRL8962S	N	7	30	30	30	N	<20	7	50	N	10	N	500	150	N	20	N

LATITUDE 46°00'-46°30' LONGITUDE 112°30'-113°00'

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

SAMPLE	S-ZR	S-TH	AA-CU	AA-PB	AA-ZN	AA-AG	AA-CD	AA-BI	AA-SB
CON5612S	300	N	20	15	29	.10	.45	1	N
CON6979S	200	N	43	23	100	.26	1.10	1	1
CON6981S	200	N	10	9	20	.07	.35	1	N
CON6983S	150	N	40	19	70	.30	.93	1	1
CON6985S	70	N	85	35	45	.30	2.00	3	1
DRL3562S	150	N	41	7	25	.06	.20	1	<1
DRL3564S	100	N	33	12	50	<.05	.35	1	<1
DRL3566S	100	N	46	19	67	.05	.90	2	<1
DRL3570S	150	N	34	6	38	<.05	.25	1	<1
DRL3577S	150	N	63	14	73	.15	.65	1	<1
DRL3579S	150	N	36	11	48	<.05	.40	2	<1
DRL3581S	150	N	25	6	41	<.05	.25	1	<1
DRL3583S	150	N	42	32	86	.58	1.29	2	1
DRL3585S	150	N	26	18	68	.18	.73	<1	1
DRL3587S	150	N	37	12	41	.08	.45	1	<1
DRL4760S	150	N	12	23	13	.06	.40	<1	1
DRL4762S	300	N	15	23	13	.07	.40	1	N
DRL4764S	200	N	31	25	22	.17	.60	1	1
DRL4766S	200	N	30	20	25	.14	.65	<1	1
DRL4768S	150	N	150	58	80	.53	2.50	7	2
DRL4770S	150	N	10	19	14	.08	.60	1	1
DRL4772S	300	N	68	37	61	.29	1.90	3	1
DRL5781S	300	N	35	19	33	.14	.85	<1	1
DRL5783S	200	N	35	19	34	.29	.95	<1	1
DRL5785S	300	N	27	16	27	.85	.55	1	1
DRL5787S	300	N	<1	1	30	4.62	.55	<1	N
DRL5789S	200	N	39	13	36	.73	.45	1	N
DRL5794S	150	N	40	14	49	1.17	.55	1	N
DRL5796S	200	N	31	11	45	1.06	.40	1	N
DRL5798S	300	N	4	23	55	4.86	.91	2	N
DRL8866S	150	--	40	17	34	.15	.51	<1	<1
DRL8868S	200	N	74	1,000	4,000	14.30	20.00	1	73
DRL8872S	150	N	8	15	37	<.05	.36	<1	1
DRL8874S	150	N	24	42	44	.35	1.32	2	<1
DRL8876S	150	N	26	33	41	.30	1.15	2	<1
DRL8878S	200	N	32	32	85	.35	.75	<1	5
DRL8880S	150	N	34	12	45	<.05	.45	1	<1
DRL8882S	150	N	24	5	30	<.05	.20	<1	<1
DRL8884S	150	N	33	5	22	<.05	.15	<1	<1
DRL8886S	100	N	31	5	34	<.05	.20	<1	<1
DRL8890S	150	N	44	13	35	.07	.35	<1	<1
DRL8892S	150	N	44	15	46	.09	.70	1	<1
DRL8894S	100	N	26	20	38	.16	.55	2	<1
DRL8960S	150	N	27	14	20	<.05	.35	<1	N
DRL8962S	200	N	24	21	33	.11	.60	1	N

LATITUDE 46°00'-46°30' LONGITUDE 112°30'-113°00'

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

SAMPLE	LATITUDE	LONGITUDEE	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE	S-BI
DRL8964S	46 23 40	112 31 37	2.0	1.0	1.0	.30	1,000	N	N	N	N	1,000	5.0	N
GA3506S	46 29 59	112 46 2	3.0	1.5	5.0	.50	700	<.5	N	N	50	700	2.0	N
MP7903S	46 15 52	112 57 59	5.0	5.0	7.0	.50	1,500	N	N	N	70	1,000	30.0	10
MP7905S	46 15 45	112 57 15	7.0	7.0	7.0	.70	1,500	<.5	N	N	100	700	200.0	<10
MP7907S	46 15 49	112 56 0	5.0	.7	1.5	.50	1,500	.5	N	N	200	700	3.0	N
MP7909S	46 15 54	112 54 59	2.0	.5	.7	.20	150	<.5	N	N	100	700	1.5	N
MP7911S	46 16 48	112 57 23	1.5	.7	1.5	.15	500	<.5	N	N	10	1,000	50.0	N
MP7913S	46 17 32	112 56 24	3.0	.7	1.0	.30	1,000	<.5	N	N	15	700	5.0	<10
MP7915S	46 17 14	112 54 14	10.0	2.0	2.0	.50	1,500	<.5	N	N	30	1,000	2.0	N
MP7923S	46 18 5	112 53 1	10.0	2.0	2.0	.50	1,500	1.0	N	N	70	700	1.5	10
MP7925S	46 18 3	112 53 3	5.0	2.0	2.0	.30	1,000	N	N	N	100	700	1.5	N
RAC4732S	46 18 12	112 46 15	3.0	1.0	2.0	.50	1,500	N	N	N	15	1,000	3.0	N
RAC4734S	46 19 23	112 49 7	5.0	1.5	1.5	.50	1,500	1.5	N	N	70	700	5.0	<10
RAC4736S	46 19 14	112 47 16	3.0	1.5	1.5	.30	1,500	1.5	N	N	50	1,000	5.0	10
RAC4738S	46 19 51	112 48 45	2.0	1.0	2.0	.20	1,500	N	N	N	20	1,000	5.0	N
RAC4740S	46 20 19	112 49 49	3.0	1.0	1.5	.30	1,500	N	N	N	20	1,000	3.0	N
RAC4742S	46 20 19	112 49 49	3.0	1.5	1.0	.30	1,500	N	N	N	30	1,000	5.0	N
RAC4744S	46 20 21	112 49 48	3.0	1.5	1.5	.30	1,000	N	N	N	30	1,000	3.0	N
RAC4746S	46 20 50	112 48 13	2.0	1.0	1.5	.30	1,000	N	N	N	20	1,000	3.0	N
RAC4748S	46 21 9	112 49 19	2.0	1.0	3.0	.30	700	<.5	N	N	20	700	3.0	N
RAC4750S	46 21 38	112 49 2	3.0	1.0	3.0	.50	700	<.5	N	N	50	1,000	3.0	N
RAC4752S	46 21 23	112 47 37	3.0	1.0	3.0	.30	1,000	N	N	N	30	1,000	2.0	N
RAC4754S	46 20 24	112 45 40	3.0	.7	1.5	.30	1,500	N	N	N	30	700	3.0	N
RAC4756S	46 20 18	112 45 43	3.0	1.0	1.5	.20	1,500	<.5	N	N	20	1,000	5.0	N
RAC7917S	46 16 47	112 50 12	5.0	1.5	1.5	.30	1,000	2.0	N	N	50	1,000	2.0	10
RAC7919S	46 17 9	112 50 9	7.0	1.0	1.5	.50	1,500	2.0	N	N	100	1,000	2.0	<10
RAC7921S	46 17 27	112 49 32	3.0	1.5	2.0	.30	1,500	N	N	N	30	1,000	3.0	N
RAC7927S	46 16 0	112 50 55	1.0	.5	1.5	.15	1,000	N	N	N	10	700	5.0	N
RAC7929S	46 16 31	112 48 24	1.5	.5	1.5	.15	700	<.5	N	N	15	1,000	3.0	N
RAC7931S	46 16 40	112 46 13	1.5	.5	2.0	.10	1,000	N	N	N	30	700	2.0	N
RAC7933S	46 15 26	112 46 22	1.5	.7	2.0	.20	300	N	N	N	20	700	7.0	N
ROC1159S	46 29 20	112 59 41	3.0	.3	2.0	.15	300	N	N	N	15	300	<1.0	N
ROC6856S	46 26 52	112 57 33	3.0	3.0	7.0	.30	1,000	N	N	N	150	700	3.0	N
ROC6858S	46 26 55	112 56 58	3.0	.7	3.0	.30	500	N	N	N	30	500	3.0	N
ROC6860S	46 28 30	112 56 36	5.0	1.5	3.0	.20	700	N	N	N	20	700	1.0	N
ROC6862S	46 28 18	112 55 48	5.0	1.0	1.5	.30	1,000	N	N	N	70	1,000	2.0	N
ROC6864S	46 28 14	112 55 42	5.0	1.0	2.0	.50	1,500	N	N	N	70	700	2.0	N
ROC6866S	46 29 13	112 58 0	3.0	1.5	3.0	.50	1,000	N	N	N	70	1,000	1.5	N
ROC6868S	46 29 13	112 57 40	10.0	1.0	3.0	.50	1,500	N	N	N	30	1,000	1.5	N
ROC6870S	46 29 47	112 56 52	3.0	1.0	1.5	.50	700	N	N	N	70	700	3.0	N
ROC6874S	46 28 22	112 54 7	2.0	1.0	3.0	.50	1,000	N	N	N	50	1,000	3.0	N
ROC6876S	46 29 40	112 54 35	7.0	.7	1.5	.70	1,000	N	N	N	70	1,000	1.5	N
ROC6878S	46 29 44	112 54 10	5.0	1.5	2.0	.50	1,000	N	N	N	70	700	2.0	N
ROC6880S	46 26 55	112 56 2	3.0	1.0	1.5	.50	700	N	N	N	50	1,000	2.0	N
ROC6882S	46 26 30	112 54 54	3.0	1.0	2.0	.30	700	N	N	N	15	1,000	1.5	N

LATITUDE 46°00'-46°30' LONGITUDE 112°30'-113°00'

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

SAMPLE	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN
DRL8964S	N	7	70	30	30	N	<20	30	30	N	7	N	300	100	N	20	N
GA3506S	N	7	70	70	70	N	<20	15	50	N	10	N	500	150	N	20	N
MP7903S	N	10	70	30	50	N	<20	15	50	N	10	N	200	150	N	30	N
MP7905S	N	15	100	70	30	N	<20	30	70	N	10	N	300	150	N	30	300
MP7907S	N	10	70	100	50	N	<20	20	70	N	10	N	200	100	N	30	N
MP7909S	N	5	30	30	30	N	N	15	30	N	5	N	100	70	N	20	N
MP7911S	N	5	15	5	100	N	N	7	50	N	<5	<10	500	30	N	20	N
MP7913S	N	7	20	100	30	N	<20	10	100	N	7	N	300	70	N	30	N
MP7915S	N	10	50	100	50	N	N	15	50	N	15	N	300	300	N	50	N
MP7923S	N	10	70	300	20	N	<20	20	200	N	10	N	300	500	N	30	200
MP7925S	N	7	70	50	50	N	<20	20	50	N	7	N	200	150	N	20	N
RAC4732S	N	7	30	30	20	N	N	10	50	N	5	N	500	70	N	30	N
RAC4734S	N	10	50	200	50	N	N	30	100	N	10	N	300	100	N	30	<200
RAC4736S	N	7	50	300	30	N	N	15	150	N	7	N	500	70	N	20	200
RAC4738S	N	7	20	20	200	N	N	10	30	N	5	N	500	70	N	30	N
RAC4740S	N	10	50	50	50	N	N	15	50	N	7	N	500	50	N	50	N
RAC4742S	N	7	50	50	50	N	<20	15	50	N	7	N	500	50	N	30	N
RAC4744S	N	10	70	30	70	N	<20	20	50	N	7	N	500	70	N	30	N
RAC4746S	N	7	20	50	50	N	<20	10	50	N	5	N	500	50	N	20	N
RAC4748S	N	7	30	100	50	<5	<20	10	70	N	7	N	500	70	N	30	N
RAC4750S	N	7	50	70	150	N	<20	20	50	N	10	N	300	100	N	30	N
RAC4752S	N	7	30	50	150	N	<20	15	50	N	7	N	500	70	N	70	N
RAC4754S	N	5	50	30	70	N	N	7	30	N	5	N	500	100	N	30	N
RAC4756S	N	7	50	70	30	N	N	10	50	N	7	N	300	70	N	30	N
RAC7917S	N	10	50	500	70	N	<20	15	300	N	10	<10	300	150	N	30	N
RAC7919S	N	15	70	300	150	N	<20	20	300	N	10	N	300	200	N	30	700
RAC7921S	N	7	50	30	30	N	N	7	30	N	7	N	500	70	N	20	N
RAC7927S	N	<5	15	15	100	N	N	5	30	N	5	N	500	50	N	30	N
RAC7929S	N	5	20	20	30	N	N	5	30	N	5	N	500	30	N	20	N
RAC7931S	N	<5	20	20	20	N	N	5	30	N	5	N	500	30	N	30	N
RAC7933S	N	5	30	20	200	N	<20	5	30	N	5	N	500	70	N	50	N
ROC1159S	N	<5	10	5	100	N	N	<5	20	N	<5	N	300	30	N	20	N
ROC6856S	N	7	70	30	30	N	N	30	50	N	7	N	300	70	N	30	N
ROC6858S	N	7	50	20	50	N	<20	10	50	N	7	N	200	70	N	50	200
ROC6860S	N	7	30	20	30	N	N	15	30	N	5	N	300	100	N	20	N
ROC6862S	N	7	50	30	150	N	<20	15	300	N	7	N	200	100	N	30	N
ROC6864S	N	10	50	50	50	N	<20	20	30	N	10	N	300	100	N	30	<200
ROC6866S	N	7	70	20	50	N	<20	15	20	N	7	N	300	100	N	30	N
ROC6868S	N	7	20	30	500	N	<20	7	50	N	7	N	500	150	N	100	N
ROC6870S	N	7	30	30	50	N	<20	20	30	N	10	N	200	100	N	30	N
ROC6874S	N	7	20	20	30	N	<20	7	30	N	7	N	500	70	N	30	N
ROC6876S	N	10	70	50	300	N	<20	10	50	N	7	N	300	150	N	50	N
ROC6878S	N	7	50	50	20	7	N	10	30	N	10	N	200	100	N	30	N
ROC6880S	N	7	50	20	30	N	N	10	30	N	7	N	300	70	N	20	N
ROC6882S	N	5	30	20	20	N	N	5	30	N	7	N	500	70	N	20	N

LATITUDE 46°00'-46°30' LONGITUDE 112°30'-113°00'

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

SAMPLE	S-ZR	S-TH	AA-CU	AA-PB	AA-ZN	AA-AG	AA-CD	AA-BI	AA-SB
DRL8964S	150	N	19	16	<1	<.05	.35	1	N
GA3506S	200	N	58	22	45	.23	.85	2	<1
MP7903S	200	N	11	11	21	<.05	.29	1	<1
MP7905S	300	N	24	28	61	.14	1.20	3	<1
MP7907S	300	N	59	23	74	.22	1.15	2	<1
MP7909S	150	N	15	11	20	<.05	.40	2	<1
MP7911S	150	N	3	4	5	<.05	.25	<1	<1
MP7913S	150	N	37	26	47	.10	.90	3	2
MP7915S	150	N	52	23	61	.13	.95	3	<1
MP7923S	200	N	260	200	200	.93	6.85	10	1
MP7925S	300	N	25	14	33	.20	.70	2	<1
RAC4732S	150	N	22	9	35	.46	.50	1	N
RAC4734S	200	N	176	58	94	2.42	2.60	6	2
RAC4736S	200	N	280	98	140	<.05	2.85	7	3
RAC4738S	200	N	14	11	19	<.05	.40	1	N
RAC4740S	200	N	30	24	24	<.05	.75	2	N
RAC4742S	200	N	28	24	24	<.05	.95	8	N
RAC4744S	200	N	32	20	24	<.05	.95	<1	N
RAC4746S	200	N	37	26	41	.11	1.25	<1	N
RAC4748S	200	N	80	33	76	.28	1.85	2	N
RAC4750S	200	N	53	27	40	.26	1.00	1	N
RAC4752S	200	N	38	25	40	.17	.90	<1	N
RAC4754S	150	N	29	17	20	.12	.80	1	N
RAC4756S	200	N	70	37	55	.33	1.60	2	N
RAC7917S	200	N	500	67	94	.74	1.80	7	4
RAC7919S	200	N	240	280	500	.99	4.30	7	2
RAC7921S	100	N	13	8	34	<.05	.50	<1	1
RAC7927S	70	N	7	5	16	.14	.20	1	<1
RAC7929S	70	N	11	7	19	.17	.20	<1	<1
RAC7931S	100	N	9	6	17	.11	<.05	1	<1
RAC7933S	200	N	15	9	18	.15	.20	<1	<1
ROC1159S	150	N	3	4	10	<.05	.25	1	<1
ROC6856S	200	N	13	23	46	.16	1.00	1	N
ROC6858S	300	N	8	20	180	.07	.60	1	N
ROC6860S	150	N	4	7	16	.05	.25	<1	N
ROC6862S	200	N	9	16	21	.08	.40	1	1
ROC6864S	300	N	19	12	26	.12	1.05	1	N
ROC6866S	700	N	6	8	16	.05	.30	<1	N
ROC6868S	500	N	8	11	18	.07	.25	1	N
ROC6870S	200	N	10	12	18	.10	.25	1	N
ROC6874S	200	N	8	8	17	.06	.25	<1	N
ROC6876S	700	N	19	19	35	.19	.65	<1	N
ROC6878S	200	N	18	11	22	.05	.45	<1	N
ROC6880S	300	N	2	6	5	<.05	.05	<1	N
ROC6882S	300	N	10	8	14	.07	.40	1	N

LATITUDE 46°00'-46°30' LONGITUDE 112°30'-113°00'

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

SAMPLE	LATITUDE	LONGITUDEE	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE	S-BI
ROC6884S	46 26 13	112 55 28	7.0	.7	2.0	.30	3,000	N	N	N	70	1,000	1.5	N
ROC6886S	46 25 20	112 56 22	1.5	1.0	1.5	.30	700	N	N	N	100	700	1.5	N
ROC6888S	46 26 10	112 52 39	3.0	1.0	2.0	.30	700	N	N	N	20	1,000	1.5	N
ROC6890S	46 25 48	112 52 37	1.5	1.0	2.0	.20	700	N	N	N	50	700	2.0	N
ROC6892S	46 23 20	112 55 51	7.0	1.0	2.0	>1.00	1,000	N	N	N	10	500	2.0	N

LATITUDE 46°00'-46°30' LONGITUDE 112°30'-113°00'

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

SAMPLE	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN
ROC6884S	N	5	20	20	150	N	N	7	20	N	5	N	300	100	N	30	N
ROC6886S	N	5	50	20	20	N	N	7	20	N	5	N	200	70	N	20	N
ROC6888S	N	7	50	50	70	N	N	10	50	N	7	N	500	70	N	30	N
ROC6890S	N	5	30	15	50	N	N	7	30	N	5	N	500	50	N	20	N
ROC6892S	N	10	50	50	20	N	N	10	30	N	10	N	200	100	N	30	N

LATITUDE 46°00'-46°30' LONGITUDE 112°30'-113°00'

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

SAMPLE	S-ZR	S-TH	AA-CU	AA-PB	AA-ZN	AA-AG	AA-CD	AA-BI	AA-SB
ROC6884S	200	N	8	4	23	.06	.45	1	N
ROC6886S	300	N	4	3	9	<.05	.15	<1	N
ROC6888S	150	N	19	10	31	.08	.80	<1	2
ROC6890S	200	N	5	4	18	<.05	.35	<1	2
ROC6892S	150	N	21	15	21	.16	.70	<1	2