Table 12. Major and trace-element data analyzed by ICP-AES following total digestion of residues of 2M HCl-1% H_2O_2 leach of bed-sediment samples from near Bullion and Crystal Mine areas, Montana

Field No	Al %	Ca %	Fe %	K %	Mg %	Na %	P %	Ti %	Mn ppm	Ag ppm	As ppm
97-BMS-102s1	6.9	2.5	6.6	1.6	1.2	1.7	0.03	0.69	970	< 2	17
97-BMS-102s2	6.4	1.4	5.6	2.3	0.71	1.3	0.02	0.38	460	< 2	340
96-BMS-115	5.2	0.85	2.0	1.7	0.52	0.84	0.02	0.22	230	< 2	370
97-BMS-105S	6.4	1.5	2.0	1.3	0.83	1.3	0.03	0.42	420	< 2	38
96-BMS-111	6.6	1.8	3.8	1.8	0.87	1.5	0.02	0.39	500	< 2	160
97-BMS-116	6.6	2.3	9.6	1.8	0.93	1.6	0.02	0.68	900	< 2	140
98-BMS-111	6.6	2.0	4.8	2.0	0.84	1.6	0.02	0.48	530	< 2	120
97-BMS-108s1	9.1	2.0	1.2	1.5	0.27	3.1	0.02	0.33	310	< 2	11
96-BMS-116	7.2	1.1	2.7	2.4	0.34	1.5	0.02	0.28	300	3	1400
97-BMS-134	4.2	0.86	4.4	1.2	0.37	0.92	0.01	0.31	350	7	230
96-BMS-118	6.9	1.7	2.6	2.1	0.53	1.9	0.01	0.38	540	< 2	360

Field No	Ba ppm	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cu ppm	Ga ppm	La ppm	Li ppm	Mo ppm	Nb ppm
97-BMS-102s1	360	< 2	100	9	76	14	12	56	24	2	43
97-BMS-102s2	550	< 2	71	8	74	47	10	42	20	2	24
96-BMS-115	350	< 2	32	5	23	42	12	19	24	< 2	15
97-BMS-105S	330	< 2	47	6	33	23	14	27	41	3	30
96-BMS-111	380	< 2	62	8	44	41	14	35	22	< 2	23
97-BMS-116	360	< 2	130	10	110	39	12	76	17	< 2	34
98-BMS-111	420	< 2	86	12	53	22	14	50	16	< 2	36
97-BMS-108s1	400	< 2	130	< 1	17	6	11	75	19	2	57
96-BMS-116	350	< 2	92	4	20	87	16	55	48	4	29
97-BMS-134	170	9	48	6	46	98	8	29	23	2	16
96-BMS-118	440	< 2	96	6	22	81	16	59	25	< 2	27

Table 12. Major and trace-element data analyzed by ICP-AES following total digestion of residues of 2M HCl-1% H_2O_2 leach of bed-sediment samples from near Bullion and Crystal Mine areas, Montana (cont.)

Field No	Nd ppm	Ni ppm	Pb ppm	Sc ppm	Sr ppm	Th ppm	U ppm	V ppm	Y ppm	Yb ppm	Zn ppm
97-BMS-102s1	44	13	17	20	310	35	< 100	250	29	4	87
97-BMS-102s2	29	9	130	13	220	26	< 100	210	17	2	340
96-BMS-115	15	6	220	11	150	17	< 100	60	11	1	300
97-BMS-105S	22	10	22	13	230	26	< 100	60	15	2	150
96-BMS-111	25	8	44	16	270	18	< 100	140	22	2	190
97-BMS-116	54	11	52	18	280	35	< 100	400	28	4	180
98-BMS-111	32	13	31	15	290	29	< 100	200	23	2	120
97-BMS-108s1	43	5	10	7	480	52	< 100	30	14	2	52
96-BMS-116	34	4	620	7	270	27	< 100	66	18	2	310
97-BMS-134	22	8	190	7	240	8	< 100	160	9	1	2300
96-BMS-118	35	5	150	10	360	21	< 100	74	18	2	250