

Table A3. Major and trace-element concentrations in HCl - H₂O₂ leaches of streambed sediment from the Boulder River watershed study area, Montana for samples collected in July 2001.

Field No.	Site	Al ppm	Ca ppm	Fe ppm	K ppm	Mg ppm	Na ppm	P ppm	Ti ppm	Ag ppm	As ppm	Ba ppm	Cd ppm	Co ppm	Cu ppm	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	Sr ppm	V ppm	Zn ppm
Boulder River																							
01-BMS-010	2S	4,400	3,700	7,400	1,700	2,800	280	730	330	<1	9	190	<1	5	13	720	<1	6	15	<3	73	16	74
01-BMS-011	6S	2,900	3,000	4,900	940	1,600	170	890	180	<1	14	120	1	4	77	300	<1	3	17	<3	42	10	150
01-BMS-014	9S	2,600	2,500	5,000	840	1,500	140	730	180	<1	15	120	2	4	45	400	<1	3	28	<3	36	10	260
01-BMS-017	12S	2,500	2,500	5,500	760	1,400	160	610	100	1	73	110	3	7	58	680	<1	3	75	<3	37	9	470
01-BMS-018	13S	3,100	3,000	7,000	1,000	1,900	160	790	200	1	67	130	4	9	64	700	<1	4	68	<3	44	12	540
01-BMS-018-d	13S	2,700	2,400	5,900	870	1,600	130	640	150	1	54	110	3	6	51	570	<1	3	56	<3	36	10	440
01-BMS-019	15S	3,200	2,800	8,000	1,100	2,100	150	670	210	2	99	140	4	7	72	630	<1	4	85	<3	43	14	520
Basin Creek Drainage																							
01-BMS-001	20S	5,700	6,900	22,000	1,400	4,500	120	2,500	420	<1	32	91	2	19	23	830	1	9	75	<3	21	48	250
01-BMS-002	21S	5,000	4,300	19,000	1,000	3,100	65	1,400	420	4	1,900	79	5	14	84	1,100	1	6	950	15	19	32	600
01-BMS-006	24S	4,000	3,100	12,000	720	1,800	56	840	120	<1	100	120	4	15	30	1,000	<1	7	150	<3	25	19	310
01-BMS-008	26S	3,500	2,400	11,000	690	1,700	32	720	120	1	230	84	6	18	130	850	<1	5	150	<3	16	18	480
01-BMS-009	31S	3,500	3,100	9,600	850	2,000	74	1,100	170	1	95	120	6	16	65	1,200	<1	6	130	<3	17	16	580
01-BMS-007	42S	3,900	3,400	12,000	900	2,000	54	1,200	230	3	310	90	9	24	200	950	1	6	200	<3	14	20	980
Cataract Creek Drainage																							
01-BMS-003	46S	3,200	3,300	9,200	650	2,200	72	1,200	330	<1	15	62	1	7	20	310	<1	4	39	<3	14	22	150
01-BMS-004	49S	3,900	3,100	11,000	850	2,800	98	970	370	3	61	90	3	9	67	660	<1	5	110	<3	18	21	460
01-BMS-005	50S	3,000	2,700	10,000	510	1,400	81	960	<30	7	250	81	16	39	610	1,700	1	4	270	<3	15	15	1,600
01-BMS-013	53S	4,100	4,100	10,000	1,400	3,100	120	1,000	230	2	100	140	12	21	240	1,100	1	7	150	<3	21	20	1,300
01-BMS-012	57S	3,600	2,600	13,000	500	1,200	70	1,000	<30	5	540	88	24	48	1,200	1,800	2	4	540	3	13	18	1,400
High Ore Creek Drainage																							
01-BMS-015	59S	2,600	5,200	12,000	760	2,200	76	1,200	53	11	610	120	9	10	74	3,300	2	6	1,200	<3	22	16	1,800
01-BMS-016	63S	1,600	5,200	17,000	550	2,300	44	1,000	<30	17	710	130	19	12	120	5,900	6	6	960	<3	20	16	4,000
NIST Standards																							
SRM 2709		8,900	12,000	14,000	1,800	8,700	480	480	120	<2	<10	330	<2	12	20	400	<2	54	8	<6	82	33	66
SRM 2711		6,400	20,000	8,000	2,100	5,200	130	720	230	4	77	180	36	5	84	470	<2	12	1,000	<6	40	16	250
SRM 2704		4,800	19,000	15,000	240	6,200	<60	720	<60	<2	10	70	3	10	67	340	<2	22	100	<6	25	10	270