Table 8. Statistical summary of ore-related trace-element concentrations in sampled mine wastes, Boulder River watershed, Montana

[Geom. Mean is geometric mean; concentrations expressed in ppm (parts per million), or µg/g, dry weight basis]

Site (fig. 2)	Arsenic ppm	Cadmium ppm	Copper ppm	Lead ppm	Silver ppm	Zinc ppm
Buckeye Mine (3T)[1]						
No. Samples	121	120	19	113	66	13
Mean	10400	58	1100	8200	68	5000
Median	6000	32	520	1100	55	2000
Geom. Mean	--	34	750	--	40	2100
Range	210-63000	5-370	300-4800	100-93000	5-290	520-28000
Bullion Mine (2T)[2]						
No. Samples	196	142	51	192	158	38
Mean	2800	29	1100	2750	37	2440
Median	2160	13	730	2300	27	1060
Geom. Mean	--	15	790	--	30	1430
Range	60-12600	5-1300	300-9000	100-16100	5-130	500-18000
Comet Mine (5T)[3]						
No. Samples	119	74	34	115	84	35
Mean	2680	42	1160	2530	39	2600
Median	2120	14	690	1910	30	1200
Geom. Mean	--	18	790	--	31	1550
Range	60-12600	5-1300	300-9000	100-16100	6-129	500-18000
Crystal mine (4T)[2]						
No. Samples	13	4	7	12	9	9
Mean	2400	36	760	980	11	1525
Median	1500	14	490	890	9	740
Geom. Mean	1100	19	630	690	10	920
Range	140-1110	7-110	340-1600	100-2300	6-26	500-8000
Bar in Boulder River (1T)[4]						
No. Samples	27	--	22	19	19	8
Mean	450	--	460	320	15	380
Median	400	--	430	320	14	350
Geom. Mean	420	--	440	310	14	380
Range	280-1600	--	300-810	200-470	7-22	330-520

[1] Geochemical data published in Fey and others (1999a).
[2] Geochemical data published in Fey and others (2000).
[3] Geochemical data published in Fey and Church (1998).
[4] Geochemical data published in table 5, this report.