

APPENDIX 1
Representative EPMA data for sphalerite

Analyses	wt.%								apfu Σ 1 Cations							
	Zn	Cd	Fe	Hg	Cu	Ag	S	Total	Zn	Cd	Fe	Hg	Cu	Ag	S	
1	62.77	4.21	0.39	0.20	0.02	0.00	32.71	100.29	0.95	0.04	0.01	0.00	0.00	0.00	1.01	
2	63.58	3.20	0.52	0.01	0.07	0.00	31.98	99.37	0.96	0.03	0.01	0.00	0.00	0.00	0.99	
3	64.18	3.60	0.22	0.09	0.01	0.00	32.47	100.57	0.96	0.03	0.00	0.00	0.00	0.00	1.00	
4	65.69	1.01	0.38	0.06	0.12	0.00	32.55	99.80	0.98	0.01	0.01	0.00	0.00	0.00	0.99	
5	65.12	0.66	0.38	0.00	0.39	0.00	32.50	99.07	0.98	0.01	0.01	0.00	0.01	0.00	1.00	
6	66.13	0.47	0.08	0.00	0.08	0.00	32.38	99.14	0.99	0.00	0.00	0.00	0.00	0.00	0.99	

Representative EPMA data for pyrargyrite [7-11] and polybasite [12-14]

Analyses	wt.%							apfu Σ 4 Cations						
	Ag	Cu	Bi	Sb	As	S	Total	Ag	Cu	Bi	Sb	As	S	
7	58.62	0.06	0.12	22.45	0.00	18.35	99.61	2.98	0.01	0.00	1.01	0.00	3.14	
8	58.92	0.02	0.06	22.32	0.00	18.34	99.65	2.99	0.00	0.00	1.00	0.00	3.13	
9	59.12	0.02	0.15	22.04	0.00	18.13	99.46	3.00	0.00	0.00	0.99	0.00	3.10	
10	58.73	0.29	0.03	19.05	1.77	18.22	98.07	2.99	0.02	0.00	0.86	0.13	3.12	
11	59.79	0.16	0.08	18.42	2.31	18.34	99.11	3.00	0.01	0.00	0.82	0.17	3.09	
Analyses	wt.%							apfu Σ 18 Cations						
	Ag	Cu	Bi	Sb	As	S	Total	Ag	Cu	Bi	Sb	As	S	
12	71.21	3.42	0.19	10.23	0.00	14.44	99.50	14.87	1.21	0.02	1.89	0.00	10.15	
13	71.09	3.56	0.10	9.70	0.00	14.78	99.22	14.92	1.27	0.01	1.80	0.00	10.44	
14	70.58	3.57	0.10	10.20	0.00	14.81	99.26	14.82	1.27	0.01	1.90	0.00	10.46	

Representative EPMA data for löllingite [15-17] and gersdorffite [18-19]

Analyses	wt.%									apfu Σ 1 Cation							
	Fe	Ni	Co	Cu	As	Sb	Bi	S	Total	Fe	Ni	Co	Cu	As	Sb	Bi	S
15	19.09	0.06	7.28	2.79	69.68	0.18	0.04	1.19	100.31	0.67	0.00	0.24	0.09	1.82	0.00	0.00	0.07
16	19.54	0.08	7.20	2.62	71.79	0.27	0.01	1.27	102.79	0.68	0.00	0.24	0.08	1.86	0.00	0.00	0.08
17	24.71	1.45	0.86	0.26	70.22	0.13	0.02	1.00	98.65	0.91	0.05	0.03	0.01	1.93	0.00	0.00	0.06
18	3.15	18.05	12.69	0.00	44.76	0.15	0.06	17.79	96.64	0.10	0.53	0.37	0.00	1.03	0.00	0.00	0.96
19	2.18	26.44	3.62	0.00	46.95	0.28	0.06	17.00	96.53	0.07	0.82	0.11	0.00	1.14	0.00	0.00	0.96
20	3.19	24.89	5.29	0.00	47.93	0.15	0.11	16.53	98.08	0.10	0.74	0.16	0.00	1.12	0.00	0.00	0.90