Table S1. Samples and minerals analyzed in this study (coordinates: Lambert South reference)

Pit in mine area	Northing	Easting	Sample ID	Mineral studied
F51	385764	386805	19-BAZ-01	calcite between serpentinite and diorite
			19-BAZ-04	rammelsbergite, nickeline
F53	385870	385760	19-BAZ-14	coarse-grained safflorite
			19-BAZ-15	coarse-grained safflorite, calcite
			19-BAZ-17	calcite associated with coarse-grained safflorite
			19-BAZ-18	skutterudite
F55	386235	385250	19-BAZ-10	fine-grained safflorite, calcite
			19-BAZ-12	fine-grained safflorite

Table S2. Summary of mineral chemistry data

	As wt.% (0.01)	S wt.% (0.01)	Cu wt.% (0.01)	Co wt.% (0.02)	Fe wt.% (0.01)	Ni wt.% (0.02)
Limit of dectection						
Nickeline (n = 55)	56.26	0.03	b.d.l.	0.08	0.01	44.73
Rammelsbergite (n = 55)	67.72	3.03	b.d.l.	3.14	0.05	26.73
Skuterrudite (n = 68)	70.90	0.83	0.02	21.93	7.05	0.09
Safflorite (n = 74)	77.75	1.68	0.04	17.15	2.11	2.41

Table S3. Total sulfur content and sulfur isotope composition of arsenides by EA/BaCl2-trap before EA/IRMS

	Total sulfur (wt.%)	SD (n)	2SE	δ34S (‰, VCDT)	SD (n)	2SE
Rammelsbergite	1.63	0.31 (4)	0.30	−8.31	0.19 (4)	0.18
Safflorite	2.25	0.36 (2)	0.49	−7.63	0.14 (2)	0.20
Safflorite	1.18	0.34 (2)	0.47	−5.21	0.07 (2)	0.10
Skutterudite	0.31	0.09 (2)	0.13	4.91	0.28 (2)	0.39
Skutterudite	0.65	0.39 (2)	0.54	1.00	0.13 (2)	0.18

SD: Standard deviation; SE: Standard error

Table S4. All Re-Os geochronological data utilized in the present study

Sample	Lab ID	Re (ppb)	± 2σ	^{187}Re (ppb)	± 2σ	Total Os (ppt)	± 2σ	^{192}Os (ppt)	± 2σ	^{187}Re/^{188}Os	± 2σ	^{187}Os/^{188}Os	± 2σ	rho	% Re$_{blk}$	%^{187}Os$_{blk}$	%^{188}Os$_{blk}$
BAZ-10	RO-006-07	1.120	0.002	0.704	0.001	2910	8	1201	6	1.86	0.01	0.1313	0.0011	0.578	0.423	0.048	0.002
BAZ-10	RO-008-08	1.278	0.003	0.803	0.002	1804	3	743	2	3.42	0.01	0.1414	0.0006	0.533	0.587	0.016	0.005
BAZ-10	RO-011-11	1.119	0.004	0.703	0.003	3443	7	1421	5	1.57	0.01	0.1293	0.0007	0.384	0.739	0.200	0.009
BAZ-12	RO-006-08	0.904	0.001	0.568	0.001	303	1	124	1	14.54	0.06	0.2093	0.0011	0.613	0.537	0.298	0.021
BAZ-12	RO-008-09	0.925	0.001	0.581	0.001	107	1	43	1	42.93	0.21	0.3842	0.0033	0.520	1.093	0.141	0.125
BAZ-12	RO-011-12	0.910	0.003	0.572	0.002	213	1	86	1	20.94	0.11	0.2541	0.0031	0.264	0.699	1.288	0.111

Sample	Lab ID	Re (ppm)	± 2σ	^{187}Re (ppb)	± 2σ	^{187}Os (ppb)	± 2σ	Total common Os (pg)	Model Age (Ma)	± 2σ	± 2σ with λ (Ma)
BAZ-14	RO-14-UA-MD	0.5606	0.0016	352.39	0.99	2.241	0.002	16.1	380.5	1.1	1.6
BAZ-14	RO-14-UA-MD-R2	0.5319	0.0015	334.32	0.94	2.132	0.002	6.8	381.6	1.1	1.6
BAZ-14	RO-14-UA-MD-R3	0.5458	0.0015	343.05	0.96	2.170	0.003	13.0	379.0	1.2	1.7
BAZ-15	RO-15-UA-MD	0.0708	0.0002	44.51	0.12	0.277	0.000	0.04	373.0	1.1	1.6
BAZ-15	RO-15-UA-MD-R1	0.0724	0.0002	45.48	0.13	0.284	0.001	0.12	374.0	1.5	1.9

Note: rho is the error correlation factor of the isotopic ratios

Table S5. Carbon, oxygen and clumped isotope data of calcite at Bou Azzer.

Sample ID	Geological context	Replicates	δ13C (VPDB)	SD	δ18O (VSMOW)	SD	Δ47 ‰ (I-CDES)	SD	SE	Temperature (average)	68% CI mean lower error	68% CI mean higher error	95% CI mean lower error	95% CI mean higher error	δ18O fluid (SMOW)*
19 BAZ 01a	Calcite at the	3	-4.22	0.02	12.57	0.01	0.375	0.010	0.006	146.0	-7	7	-22	25	-0.34
19 BAZ 01b	contact between	4	-4.40	0.02	12.74	0.03	0.350	0.011	0.006	172.0	-7	8	-19	21	1.64
19 BAZ 01c	serpentinite and	4	-4.64	0.04	12.93	0.01	0.351	0.027	0.014	171.0	-17	19	-42	59	1.90
19 BAZ 01d	diorite	13	-3.97	0.02	12.56	0.01	0.357	0.028	0.008	165.0	-8	9	-17	19	1.17
19 BAZ 10a		10	-4.06	0.02	12.86	0.04	0.335	0.030	0.010	190.0	-12	13	-25	30	3.05
19 BAZ 15 c	Calcite associated	4	-3.94	0.00	12.15	0.01	0.314	0.021	0.011	219.0	-18	21	-45	62	1.26
19 BAZ 15 a	with safflorite	13	-3.92	0.01	12.19	0.01	0.349	0.025	0.007	173.0	-8	8	-16	18	3.72
19 BAZ 17b		15	-3.97	0.02	12.18	0.02	0.349	0.028	0.007	172.0	-8	9	-17	19	1.30

SD: Standard deviation

*: calbriation according to O'Neil et al. (1969), 0-500°C

Table S6. Set up for electron microprobe analysis

El. / line	SP	Crystal	Peak [s]	Bkg [s]	Standard	DL @ 99% (ppm)	Peak [mm]	Bkg method	Bkg +	Bkg –
As la	1	TAP	120	120	B023 - Maucherite	104	105.12	Linear	3	-6
S ka	2	PETJ	60	60	B006 - Sphalerite	100	171.783	Multi-Point	5	-8
Pb ma	2	PETJ	60	60	B004 - Galenite	552	168.971	Multi-Point	8	-10
Cu ka	3	LIFL	100	100	B012 - Chalkopyrite (synthetic)	125	107.07	Multi-Point	2	-2
Co ka	3	LIFL	20	20	B010 - Jaipurite (synthetic)	212	124.382	Multi-Point	2	-4
Fe ka	4	LIFH	60	60	B007 - Pyrite	111	134.732	Multi-Point	3	-3
Ni ka	4	LIFH	60	60	B022 - Millerite	147	115.467	Multi-Point	2	-4
Mo la	5	PETH	100	100	A010 - Molybdenum	158	173.118	Multi-Point	5	-9.2
Sb la	5	PETH	20	20	B026 - Stibnite	276	110.234	Multi-Point	3.6	-2.7

Table S7. Electron microprobe analyses (results in wt.%)

SAMPLE	As	S	Cu	Co	Fe	Ni	TOTAL	As	S
SKUTTERUDITE									
19-BAZ-18-zone_a	71.60	0.38	< 0.027	22.22	6.74	< 0.036	100.93	2.609	0.032
19-BAZ-18-zone_a	71.31	0.62	< 0.028	22.10	6.85	< 0.036	100.87	2.592	0.053
19-BAZ-18-zone_a	71.51	0.20	< 0.013	20.75	8.14	0.022	100.62	2.617	0.017
19-BAZ-18-zone_a	70.73	0.67	< 0.013	21.59	7.25	0.024	100.27	2.584	0.057
19-BAZ-18-zone_a	71.20	0.57	< 0.013	22.50	6.49	0.018	100.77	2.592	0.049
19-BAZ-18-zone_a	71.17	0.70	< 0.012	21.86	7.09	< 0.014	100.83	2.585	0.059
19-BAZ-18-zone_a	70.83	0.89	< 0.012	22.30	6.79	< 0.014	100.80	2.567	0.075
19-BAZ-18-zone_a	70.53	1.15	< 0.012	22.77	6.33	< 0.014	100.78	2.549	0.097
19-BAZ-18-zone_a	70.89	0.83	< 0.012	22.28	6.75	0.028	100.79	2.572	0.070
19-BAZ-18-zone_a	70.82	0.81	< 0.012	23.13	5.92	0.026	100.70	2.573	0.069
19-BAZ-18-zone_a	70.88	0.87	< 0.012	22.56	6.45	0.020	100.78	2.571	0.074
19-BAZ-18-zone_b	71.27	0.09	< 0.012	22.56	5.90	0.026	99.85	2.637	0.008
19-BAZ-18-zone_b	70.82	0.82	< 0.012	21.31	7.61	0.024	100.59	2.574	0.070
19-BAZ-18-zone_b	71.43	0.57	< 0.012	21.94	6.98	0.019	100.93	2.596	0.048
19-BAZ-18-zone_b	71.26	0.54	< 0.012	21.75	7.09	0.020	100.66	2.598	0.046
19-BAZ-18-zone_b	70.68	0.58	< 0.012	22.07	6.67	0.029	100.02	2.592	0.050
19-BAZ-18-zone_b	70.88	0.86	< 0.012	22.33	6.65	< 0.014	100.71	2.573	0.073
19-BAZ-18-zone_b	71.14	0.62	< 0.012	21.97	7.04	0.018	100.78	2.587	0.053
19-BAZ-18-zone_b	71.36	0.49	0.014	22.59	6.38	0.018	100.85	2.599	0.042
19-BAZ-18-zone_b	70.62	1.00	< 0.012	22.68	6.40	0.019	100.71	2.559	0.085
19-BAZ-18-zone_b	70.82	0.88	0.014	22.72	6.40	0.020	100.85	2.566	0.075
19-BAZ-18-zone_c	72.03	0.11	< 0.013	20.61	8.15	0.022	100.92	2.632	0.009
19-BAZ-18-zone_c	71.86	0.20	< 0.013	20.04	8.60	0.021	100.72	2.628	0.017
19-BAZ-18-zone_c	71.57	0.44	< 0.013	21.52	7.42	< 0.014	100.94	2.605	0.037
19-BAZ-18-zone_c	72.08	0.05	< 0.012	20.08	8.74	0.021	100.98	2.634	0.004
19-BAZ-18-zone_c	71.66	0.38	< 0.012	20.46	8.45	< 0.014	100.96	2.608	0.032
19-BAZ-18-zone_c	71.46	0.54	< 0.012	20.99	7.92	0.023	100.93	2.597	0.046
19-BAZ-18-zone_c	72.03	0.09	< 0.012	20.68	8.04	< 0.014	100.85	2.636	0.008
19-BAZ-18-zone_d	69.67	1.64	0.020	21.93	7.44	< 0.014	100.70	2.502	0.138
19-BAZ-18-zone_d	68.89	2.21	< 0.012	22.91	6.79	0.027	100.82	2.453	0.184
19-BAZ-18-zone_d	71.18	0.73	0.018	20.49	8.65	0.035	101.11	2.574	0.062
19-BAZ-18-zone_d	70.82	0.97	< 0.012	21.26	7.95	0.020	101.02	2.557	0.082
19-BAZ-18-zone_d	71.05	0.73	< 0.012	21.35	7.79	0.027	100.95	2.575	0.062
19-BAZ-18-zone_d	71.28	0.64	0.015	21.52	7.72	0.030	101.21	2.579	0.054
19-BAZ-18-zone_d	70.94	0.75	< 0.012	21.48	7.49	0.028	100.68	2.578	0.064
19-BAZ-18-zone_d	71.24	0.67	< 0.012	21.76	7.15	0.116	100.94	2.586	0.057
19-BAZ-18-zone_d	71.33	0.88	< 0.012	22.35	6.86	0.020	101.44	2.570	0.074
19-BAZ-18-zone_d	71.37	0.54	< 0.012	21.99	7.17	0.062	101.14	2.589	0.046
19-BAZ-18-zone_d	71.11	0.68	< 0.012	22.09	6.82	0.233	100.92	2.580	0.058
19-BAZ-18-zone_e	70.06	1.46	< 0.012	21.88	7.27	0.048	100.72	2.522	0.123
19-BAZ-18-zone_e	69.25	2.00	< 0.012	22.40	6.93	0.049	100.63	2.479	0.167
19-BAZ-18-zone_e	70.23	1.32	< 0.012	22.04	7.14	0.070	100.81	2.531	0.111
19-BAZ-18-zone_e	70.47	1.18	< 0.012	21.91	7.12	0.142	100.82	2.544	0.100
19-BAZ-18-zone_e	69.62	1.77	< 0.012	22.70	6.49	0.225	100.81	2.495	0.148
19-BAZ-18-zone_e	70.86	0.83	< 0.012	21.93	6.89	0.312	100.82	2.569	0.070
19-BAZ-18-zone_e	69.32	1.85	< 0.012	23.04	6.31	0.164	100.69	2.484	0.155
19-BAZ-18-zone_e	70.38	1.19	< 0.012	22.14	6.91	0.071	100.70	2.544	0.101
19-BAZ-18-zone_e	70.91	0.81	0.013	21.82	7.18	0.063	100.79	2.572	0.069
19-BAZ-18-zone_f	69.45	1.86	0.017	22.94	6.32	0.032	100.62	2.491	0.156
19-BAZ-18-zone_f	70.55	0.78	< 0.012	21.62	7.18	0.094	100.23	2.575	0.067
19-BAZ-18-zone_f	70.76	0.99	< 0.012	22.08	7.00	0.073	100.90	2.558	0.084
19-BAZ-18-zone_f	71.27	0.60	< 0.012	21.63	7.32	0.037	100.85	2.591	0.051
19-BAZ-18-zone_f	70.95	0.59	< 0.012	21.73	6.96	0.044	100.27	2.595	0.050
19-BAZ-18-zone_f	71.63	0.36	< 0.012	21.41	7.45	0.052	100.89	2.611	0.031
19-BAZ-18-zone_f	71.13	0.67	< 0.012	22.03	6.90	0.060	100.79	2.586	0.057
19-BAZ-18-zone_f	71.56	0.32	< 0.012	21.50	7.24	0.074	100.69	2.615	0.027
19-BAZ-18-zone_f	70.93	0.88	< 0.012	21.75	7.21	0.164	100.94	2.567	0.074
19-BAZ-18-zone_f	70.72	1.03	< 0.012	22.00	6.83	0.271	100.85	2.558	0.087

19-BAZ-18-zone_f	71.10	0.68	< 0.012	21.45	7.06	0.407	100.71	2.587	0.058
19-BAZ-18-zone_f	70.86	0.94	< 0.012	22.04	6.76	0.436	101.03	2.560	0.079
19-BAZ-18-zone_f	70.29	1.31	< 0.012	22.82	6.15	0.380	100.95	2.531	0.110
19-BAZ-18-zone_f	70.57	1.06	< 0.012	22.17	6.74	0.219	100.76	2.553	0.090
19-BAZ-18-zone_f	71.31	0.48	< 0.012	21.94	6.80	0.117	100.65	2.603	0.041
19-BAZ-18-zone_f	70.30	1.26	< 0.012	22.79	6.25	0.148	100.75	2.538	0.106
19-BAZ-18-zone_f	70.95	0.76	0.014	22.46	6.39	0.098	100.67	2.580	0.065
19-BAZ-18-zone_f	70.34	1.18	< 0.012	22.70	6.37	0.125	100.71	2.543	0.100
19-BAZ-18-zone_f	70.66	0.95	< 0.012	22.43	6.52	0.121	100.69	2.563	0.081
19-BAZ-18-zone_	71.24	0.65	< 0.012	22.24	6.64	0.145	100.92	2.588	0.055
average	70.90	0.83	0.016	21.93	7.05	0.091	100.78	2.572	0.070
standard deviation	0.65	0.45	0.002	0.69	0.64	0.102	0.24	0.038	0.038

NICKELINE									
BAZ-04- zone A nicksingle01	56.61	0.03	< 0.014	0.09	< 0.010	44.501	101.23	0.997	0.001
19-BAZ-04-zone a-1	56.30	0.03	< 0.014	0.06	< 0.010	44.432	100.83	0.995	0.001
19-BAZ-04-zone a-1	56.36	0.02	< 0.014	0.10	< 0.010	44.536	101.02	0.994	0.001
19-BAZ-04-zone a-1	56.30	0.02	< 0.014	0.07	< 0.010	44.567	100.96	0.994	0.001
19-BAZ-04-zone a-1	56.44	0.02	< 0.014	0.08	< 0.010	44.603	101.15	0.994	0.001
19-BAZ-04-zone a-1	56.27	0.02	< 0.014	0.10	0.01	44.483	100.89	0.994	0.001
19-BAZ-04-zone a-1	56.41	0.03	< 0.014	0.10	< 0.009	44.618	101.15	0.993	0.001
19-BAZ-04-zone a-1	56.26	0.03	< 0.014	0.08	< 0.010	44.506	100.88	0.994	0.001
19-BAZ-04-zone a-1	56.41	0.03	< 0.014	0.07	< 0.010	44.513	101.02	0.995	0.001
19-BAZ-04-zone a-1	56.18	0.04	< 0.014	0.09	< 0.010	44.536	100.83	0.992	0.002
19-BAZ-04-zone a-1	56.26	0.02	< 0.014	0.09	0.01	44.649	101.03	0.992	0.001
19-BAZ-04-zone a-1	56.20	0.03	< 0.014	0.09	< 0.010	44.533	100.86	0.993	0.001
19-BAZ-04-zone a-1	56.24	0.03	< 0.014	0.09	< 0.010	44.578	100.93	0.993	0.001
19-BAZ-04-zone a-1	56.29	0.03	< 0.014	0.06	< 0.009	44.541	100.92	0.994	0.001
19-BAZ-04-zone a-1	56.37	0.03	< 0.014	0.10	< 0.009	44.578	101.07	0.994	0.001
19-BAZ-04-zone a-1	56.23	0.03	< 0.014	0.08	< 0.010	44.594	100.94	0.992	0.001
19-BAZ-04-zone a-1	56.28	0.01	< 0.014	0.08	< 0.010	44.712	101.08	0.992	0.000
19-BAZ-04-zone a-1	56.34	0.02	< 0.014	0.08	0.01	44.714	101.17	0.992	0.001
19-BAZ-04-zone a-1	56.28	0.01	< 0.014	0.09	< 0.009	44.626	101.01	0.993	0.000
19-BAZ-04-zone a-1	56.32	0.02	< 0.014	0.10	< 0.009	44.527	100.97	0.994	0.001
19-BAZ-04-zone a-1	56.30	0.02	< 0.014	0.09	< 0.010	44.560	100.97	0.993	0.001
19-BAZ-04-zone b-1	56.29	0.03	< 0.014	0.07	< 0.009	44.698	101.09	0.992	0.001
19-BAZ-04-zone b-1	56.14	0.04	< 0.014	0.06	< 0.009	44.722	100.96	0.990	0.002
19-BAZ-04-zone b-1	56.32	0.03	< 0.014	0.08	< 0.009	44.791	101.23	0.991	0.001
19-BAZ-04-zone b-1	56.27	0.05	< 0.014	0.06	< 0.010	44.877	101.26	0.989	0.002
19-BAZ-04-zone b-1	56.30	0.04	< 0.014	0.06	< 0.010	44.837	101.23	0.990	0.002
19-BAZ-04-zone b-1	56.41	0.04	< 0.014	0.05	< 0.010	44.882	101.38	0.991	0.002
19-BAZ-04-zone b-1	56.31	0.03	< 0.014	0.08	< 0.010	44.844	101.27	0.990	0.001
19-BAZ-04-zone b-1	56.27	0.04	< 0.014	0.07	< 0.009	44.811	101.20	0.990	0.002
19-BAZ-04-zone b-1	56.33	0.03	< 0.014	0.06	< 0.009	44.806	101.22	0.991	0.001
19-BAZ-04-zone b-1	56.37	0.03	< 0.014	0.08	< 0.009	44.783	101.26	0.992	0.001
19-BAZ-04-zone b-1	56.39	0.03	< 0.014	0.08	< 0.009	44.912	101.40	0.990	0.001
19-BAZ-04-zone b-1	56.37	0.02	< 0.014	0.08	< 0.010	44.828	101.29	0.991	0.001
19-BAZ-04-zone b-1	56.26	0.02	< 0.014	0.10	< 0.009	44.831	101.22	0.990	0.001
19-BAZ-04-zone b-1	56.32	0.02	< 0.014	0.09	< 0.009	44.797	101.23	0.991	0.001
19-BAZ-04-zone b-1	56.27	0.03	< 0.014	0.09	< 0.009	44.804	101.20	0.990	0.001
19-BAZ-04-zone b-1	56.21	0.04	< 0.014	0.08	< 0.009	44.811	101.14	0.990	0.002
19-BAZ-04-zone b-1	56.25	0.05	< 0.014	0.08	< 0.010	44.838	101.21	0.989	0.002
19-BAZ-04-zone b-1	56.22	0.05	< 0.014	0.07	< 0.009	44.850	101.19	0.989	0.002
19-BAZ-04-zone b-1	56.27	0.04	< 0.014	0.09	< 0.009	44.879	101.27	0.989	0.002
19-BAZ-04-zone b-1	56.32	0.02	< 0.014	0.09	< 0.010	44.779	101.22	0.991	0.001
19-BAZ-04-zone b-2	56.24	0.05	< 0.014	0.07	< 0.009	44.914	101.27	0.989	0.002
19-BAZ-04-zone b-2	56.39	0.05	< 0.014	0.07	< 0.009	44.980	101.49	0.989	0.002
19-BAZ-04-zone b-2	56.10	0.05	< 0.014	0.08	< 0.009	44.776	101.00	0.989	0.002
19-BAZ-04-zone b-2	56.14	0.04	< 0.014	0.08	< 0.009	44.878	101.14	0.988	0.002
19-BAZ-04-zone b-2	56.17	0.03	< 0.014	0.08	< 0.010	44.735	101.02	0.990	0.001
19-BAZ-04-zone b-2	56.12	0.02	< 0.014	0.07	< 0.009	44.749	100.96	0.990	0.001

19-BAZ-04-zone b-2	56.26	0.03	< 0.014	0.08	< 0.009	44.808	101.18	0.990	0.001
19-BAZ-04-zone b-2	56.14	0.04	< 0.014	0.09	< 0.009	44.776	101.05	0.989	0.002
19-BAZ-04-zone b-2	56.21	0.06	< 0.014	0.06	< 0.009	44.804	101.13	0.989	0.002
19-BAZ-04-zone b-2	56.21	0.03	< 0.014	0.07	< 0.009	44.823	101.13	0.990	0.001
19-BAZ-04-zone b-2	56.09	0.04	< 0.014	0.08	< 0.009	44.921	101.13	0.987	0.002
19-BAZ-04-zone b-2	56.19	0.04	< 0.014	0.08	< 0.010	44.852	101.17	0.989	0.002
19-BAZ-04-zone b-2	56.16	0.04	< 0.014	0.07	< 0.009	44.828	101.10	0.989	0.002
19-BAZ-04-zone b-2	56.12	0.07	< 0.014	0.05	< 0.010	44.827	101.07	0.988	0.003
19-BAZ-04-zone b-2	56.09	0.03	< 0.014	0.08	< 0.009	44.830	101.04	0.988	0.001
average	56.27	0.03	< 0.014	0.08	< 0.010	44.728	101.11	0.991	0.001
standard deviation	0.10	0.01	-	0.01	-	0.141	0.15	0.002	0.000

RAMMELSBERGITE

19-BAZ-04-zone a-2	67.39	3.09	< 0.013	2.57	0.06	27.016	100.13	1.798	0.193
19-BAZ-04-zone a-2	67.42	3.10	< 0.014	2.61	0.06	27.128	100.32	1.795	0.193
19-BAZ-04-zone a-2	67.60	2.94	< 0.014	2.27	0.05	27.253	100.12	1.807	0.184
19-BAZ-04-zone a-2	67.44	3.05	< 0.014	2.29	0.06	27.328	100.16	1.799	0.190
19-BAZ-04-zone a-2	66.95	3.16	< 0.014	2.52	0.04	27.066	99.74	1.791	0.198
19-BAZ-04-zone a-2	66.96	3.32	< 0.014	2.75	0.05	26.978	100.05	1.782	0.206
19-BAZ-04-zone a-2	67.26	3.23	< 0.014	2.53	0.05	27.145	100.23	1.790	0.201
19-BAZ-04-zone a-2	66.66	3.41	< 0.014	3.17	0.04	26.516	99.79	1.777	0.212
19-BAZ-04-zone a-2	66.74	3.35	< 0.014	3.18	0.03	26.584	99.89	1.778	0.209
19-BAZ-04-zone a-2	67.83	2.88	< 0.014	2.43	0.06	26.954	100.16	1.815	0.180
19-BAZ-04-zone a-3	67.43	2.93	< 0.014	4.27	0.03	25.233	99.89	1.807	0.183
19-BAZ-04-zone a-3	67.31	3.13	< 0.014	5.41	0.05	24.083	99.97	1.798	0.195
19-BAZ-04-zone a-3	67.54	3.08	< 0.014	5.43	0.05	24.129	100.22	1.801	0.192
19-BAZ-04-zone a-3	67.49	3.13	< 0.014	4.60	0.04	25.041	100.30	1.797	0.195
19-BAZ-04-zone a-3	67.36	3.07	< 0.014	4.64	0.04	24.872	99.99	1.801	0.192
19-BAZ-04-zone a-3	67.31	3.13	< 0.014	3.68	0.05	25.907	100.08	1.796	0.195
19-BAZ-04-zone a-3	67.66	3.05	< 0.013	3.65	0.05	25.926	100.34	1.803	0.190
19-BAZ-04-zone a-3	67.96	2.83	< 0.014	6.11	0.06	23.440	100.40	1.815	0.177
19-BAZ-04-zone a-3	69.22	2.06	< 0.014	3.93	0.05	25.364	100.62	1.863	0.130
19-BAZ-04-zone a-3	67.97	3.08	< 0.013	8.20	0.09	21.556	100.90	1.801	0.191
19-BAZ-04-zone c-1	67.65	3.07	< 0.014	3.11	0.04	27.012	100.89	1.791	0.190
19-BAZ-04-zone c-1	67.50	3.14	< 0.014	2.96	0.04	27.054	100.69	1.789	0.194
19-BAZ-04-zone c-1	68.59	2.43	< 0.014	2.23	0.06	27.614	100.92	1.830	0.152
19-BAZ-04-zone c-1	69.08	2.15	< 0.014	2.41	0.06	27.264	100.96	1.850	0.135
19-BAZ-04-zone c-1	68.44	2.52	< 0.014	2.47	0.05	27.488	100.96	1.823	0.157
19-BAZ-04-zone c-1	69.24	2.11	< 0.014	2.28	0.05	27.578	101.25	1.849	0.132
19-BAZ-04-zone c-1	68.30	2.67	< 0.014	4.09	0.05	25.834	100.95	1.817	0.166
19-BAZ-04-zone c-1	67.81	2.83	< 0.014	3.64	0.04	26.366	100.69	1.804	0.176
19-BAZ-04-zone c-2	67.78	3.16	< 0.013	5.62	0.06	24.598	101.22	1.787	0.195
19-BAZ-04-zone c-2	67.77	3.27	< 0.013	6.60	0.07	23.642	101.35	1.782	0.201
19-BAZ-04-zone c-2	68.09	3.04	< 0.014	4.65	0.07	25.524	101.37	1.795	0.187
19-BAZ-04-zone c-2	68.43	2.62	< 0.014	4.66	0.06	25.298	101.08	1.819	0.163
19-BAZ-04-zone c-2	68.64	2.49	< 0.014	4.40	0.06	25.488	101.07	1.828	0.155
19-BAZ-04-zone c-2	67.89	2.70	< 0.014	2.12	0.03	27.899	100.64	1.810	0.168
19-BAZ-04-zone c-2	69.16	2.20	< 0.014	1.48	0.05	28.249	101.14	1.847	0.137
19-BAZ-04-zone d-1	66.62	3.93	< 0.014	2.64	0.05	27.764	101.00	1.743	0.240
19-BAZ-04-zone d-1	69.26	2.12	< 0.014	1.40	0.06	28.273	101.11	1.852	0.133
19-BAZ-04-zone d-1	68.55	2.61	< 0.014	1.50	0.06	28.224	100.95	1.825	0.162
19-BAZ-04-zone d-1	68.83	2.33	< 0.014	1.30	0.05	28.371	100.88	1.840	0.146
19-BAZ-04-zone d-1	67.17	3.44	< 0.014	1.84	0.05	28.212	100.72	1.773	0.212
19-BAZ-04-zone d-1	67.20	3.55	< 0.014	2.65	0.06	27.516	100.97	1.767	0.218
19-BAZ-04-zone d-1	66.59	3.80	< 0.014	3.14	0.04	27.170	100.74	1.749	0.233
19-BAZ-04-zone d-1	68.34	2.76	< 0.014	1.95	0.05	27.920	101.02	1.815	0.171
19-BAZ-04-zone d-1	66.80	3.70	< 0.014	2.33	0.04	27.960	100.82	1.756	0.227
19-BAZ-04-zone d-1	66.73	3.65	< 0.014	2.92	0.03	27.221	100.56	1.760	0.225
19-BAZ-04-zone d-1	69.81	1.75	< 0.014	1.64	0.04	27.877	101.12	1.876	0.110
19-BAZ-04-zone d-2	67.32	3.40	< 0.014	2.07	0.05	28.044	100.89	1.775	0.210
19-BAZ-04-zone d-2	67.35	3.43	< 0.014	2.17	0.07	28.045	101.07	1.772	0.211

19-BAZ-04-zone d-2	67.13	3.57	< 0.014	2.32	0.07	27.947	101.04	1.764	0.219
19-BAZ-04-zone d-2	67.33	3.53	< 0.014	2.30	0.06	27.880	101.10	1.769	0.217
19-BAZ-04-zone d-2	67.22	3.46	< 0.014	2.34	0.07	27.883	100.97	1.769	0.213
19-BAZ-04-zone d-2	67.18	3.54	< 0.014	2.28	0.07	27.901	100.97	1.767	0.218
19-BAZ-04-zone d-2	67.11	3.47	< 0.014	2.32	0.07	27.821	100.79	1.770	0.214
19-BAZ-04-zone d-2	67.19	3.49	< 0.014	2.33	0.06	27.823	100.90	1.770	0.215
19-BAZ-04-zone d-2	67.23	3.54	< 0.014	2.35	0.07	27.936	101.12	1.765	0.217
average	67.72	3.03	< 0.014	3.14	0.05	26.731	100.68	1.798	0.188
standard deviation	0.77	0.49	-	1.42	0.01	1.487	0.45	0.030	0.030
rammelsbergite	NiAs2								

SAFFLORITE									
19-BAZ-14 zone-b 1	78.70	0.91	< 0.012	15.72	2.33	3.402	101.06	2.180	0.059
19-BAZ-14 zone-b 2	78.69	1.00	< 0.013	15.67	2.59	3.317	101.27	2.173	0.065
19-BAZ-14 zone-b 3	78.65	1.11	0.025	15.55	3.50	2.480	101.31	2.167	0.071
19-BAZ-14 other zone 1	77.62	1.88	0.023	18.09	2.01	1.612	101.23	2.121	0.120
19-BAZ-14 other zone 2	77.96	1.61	< 0.012	17.75	2.94	0.949	101.21	2.137	0.103
19-BAZ-14 zone e sgpt 1	77.58	1.77	< 0.012	17.10	1.84	2.565	100.86	2.131	0.114
19-BAZ-14 zone e sgpt 2	76.91	2.38	< 0.012	19.72	1.16	0.890	101.07	2.093	0.151
19-BAZ-14 zone d sgpt 1	76.98	2.21	< 0.012	18.34	1.06	2.370	100.95	2.101	0.141
19-BAZ-14 zone d sgpt 2	77.63	1.82	0.061	17.64	1.37	2.607	101.13	2.126	0.116
19-BAZ-14 zone b-1	78.60	1.10	< 0.012	16.39	1.88	3.233	101.21	2.170	0.071
19-BAZ-14 zone b-1	79.03	0.95	< 0.012	15.98	2.32	3.271	101.54	2.178	0.061
19-BAZ-14 zone b-1	78.93	0.94	< 0.012	15.75	3.23	2.508	101.34	2.179	0.061
19-BAZ-14 zone b-1	78.89	1.00	< 0.012	15.59	3.42	2.435	101.34	2.176	0.064
19-BAZ-14 zone b-1	78.61	1.25	< 0.012	16.66	2.92	2.002	101.44	2.160	0.080
19-BAZ-14 zone b-1	78.82	1.11	< 0.012	16.56	3.16	1.928	101.59	2.166	0.071
19-BAZ-14 zone b-1	78.59	1.12	0.023	16.34	3.53	1.733	101.34	2.164	0.072
19-BAZ-14 zone b-1	78.34	1.46	< 0.012	16.93	3.40	1.326	101.45	2.146	0.093
19-BAZ-14 zone b-1	78.62	1.13	< 0.012	16.48	3.50	1.632	101.37	2.164	0.073
19-BAZ-14 zone b-1	78.17	1.31	0.248	16.69	3.46	1.496	101.38	2.146	0.084
19-BAZ-14 zone b-1	78.61	1.16	0.024	16.23	3.54	1.871	101.43	2.161	0.075
19-BAZ-14 zone b-1	78.35	1.36	0.016	16.35	3.31	2.019	101.39	2.150	0.087
19-BAZ-14 zone b-1	78.59	1.25	0.068	15.93	3.41	2.329	101.57	2.155	0.080
19-BAZ-14 zone b-1	78.61	1.17	0.014	15.48	3.46	2.762	101.50	2.159	0.075
19-BAZ-14 zone b-1	78.18	1.42	0.080	16.08	2.82	2.721	101.30	2.146	0.091
19-BAZ-14 zone b-1	78.70	1.08	0.022	15.13	3.38	3.134	101.43	2.166	0.069
19-BAZ-14 zone b-1	78.65	1.10	< 0.012	15.05	3.20	3.377	101.37	2.166	0.071
19-BAZ-14 zone b-1	78.53	1.09	0.042	14.42	3.13	3.831	101.04	2.170	0.070
19-BAZ-14 zone b-1	78.75	1.07	< 0.012	14.72	3.14	3.797	101.48	2.167	0.069
19-BAZ-14 zone b-1	78.65	1.03	< 0.012	14.40	3.16	3.979	101.22	2.171	0.066
19-BAZ-14 zone e-1	78.42	1.15	< 0.012	17.22	1.84	2.513	101.14	2.165	0.074
19-BAZ-14 zone e-1	77.18	2.16	0.019	18.86	2.34	0.674	101.24	2.101	0.137
19-BAZ-14 zone e-1	77.03	2.19	0.064	18.80	1.95	0.948	100.98	2.102	0.140
19-BAZ-14 zone e-1	77.23	2.26	0.029	18.88	1.79	1.212	101.40	2.097	0.143
19-BAZ-14 zone e-1	77.50	1.97	0.017	18.07	2.01	1.727	101.30	2.114	0.126
19-BAZ-14 zone e-1	77.18	2.16	0.028	18.79	1.47	1.514	101.14	2.104	0.138
19-BAZ-14 zone e-1	77.86	1.64	0.032	16.84	2.01	2.793	101.16	2.135	0.105
19-BAZ-14 zone e-1	78.25	1.38	0.032	16.18	2.10	3.363	101.31	2.150	0.089
19-BAZ-14 zone e-1	77.82	1.55	< 0.012	17.00	1.90	2.762	101.03	2.139	0.100
19-BAZ-14 zone e-1	77.92	1.55	< 0.012	17.22	2.16	2.334	101.18	2.138	0.099
19-BAZ-14 zone e-1	78.08	1.40	< 0.012	16.89	2.25	2.520	101.14	2.148	0.090
19-BAZ-14 zone e-1	77.98	1.46	< 0.012	16.67	2.10	2.858	101.05	2.145	0.094
19-BAZ-14 zone e-1	77.88	1.45	< 0.012	16.82	1.90	2.925	100.97	2.145	0.093
19-BAZ-14 zone e-1	78.36	1.30	0.013	16.57	1.99	3.156	101.40	2.153	0.083
19-BAZ-14 zone e-1	77.95	1.44	0.026	16.99	1.56	3.140	101.10	2.145	0.093
19-BAZ-14 zone d-1	76.90	2.34	0.035	18.96	1.04	1.910	101.19	2.091	0.149
19-BAZ-14 zone d-1	76.60	2.52	< 0.012	18.95	1.12	1.563	100.76	2.088	0.161
19-BAZ-14 zone d-1	76.84	2.18	0.033	18.70	1.27	1.846	100.87	2.099	0.139
19-BAZ-14 zone d-1	76.86	2.38	0.017	18.83	1.18	1.884	101.14	2.089	0.151
19-BAZ-14 zone d-1	76.70	2.35	0.031	18.61	1.20	1.926	100.81	2.093	0.150

19-BAZ-14	zone d-1	77.03	2.07	0.019	17.85	1.41	2.425	100.79	2.109	0.132
19-BAZ-14	zone d-1	76.73	2.40	< 0.012	18.76	1.10	1.936	100.93	2.090	0.153
19-BAZ-14	zone d-1	76.90	2.28	< 0.012	18.43	1.19	2.190	100.99	2.096	0.145
19-BAZ-14	zone d-1	77.00	2.05	< 0.012	17.58	1.43	2.606	100.67	2.112	0.131
19-BAZ-14	zone d-1	77.27	2.01	0.016	17.89	1.29	2.537	101.02	2.113	0.128
19-BAZ-14	zone d-1	77.27	2.00	< 0.012	17.49	1.46	2.678	100.90	2.116	0.128
19-BAZ-14	zone d-1	76.70	2.25	< 0.012	18.36	1.13	2.211	100.65	2.099	0.144
19-BAZ-14	zone d-1	76.93	2.23	0.038	18.40	1.11	2.277	100.99	2.099	0.142
19-BAZ-14	zone d-1	76.99	2.22	< 0.012	18.45	1.08	2.231	100.98	2.101	0.142
19-BAZ-14	zone d-1	77.14	2.06	< 0.012	17.97	1.28	2.538	100.99	2.108	0.132
19-BAZ-14	zone d-1	76.97	2.25	< 0.012	18.55	1.06	2.195	101.03	2.099	0.143
19-BAZ-14	zone d-1	77.20	2.01	< 0.012	17.79	1.19	2.823	101.02	2.111	0.128
19-BAZ-14	zone d-1	77.86	1.54	< 0.012	16.08	1.88	3.667	101.02	2.141	0.099
19-BAZ-14	zone d-1	78.03	1.49	< 0.012	16.11	2.23	3.357	101.22	2.142	0.096
19-BAZ-14	zone d-1	77.91	1.48	< 0.012	15.97	2.25	3.382	100.99	2.144	0.095
19-BAZ-14	zone d-1	77.60	1.62	< 0.012	16.25	2.15	3.194	100.81	2.136	0.104
19-BAZ-14	zone d-1	77.99	1.43	< 0.012	15.69	2.51	3.384	101.01	2.147	0.092
19-BAZ-14	zone d-1	77.89	1.51	< 0.012	16.13	2.28	3.249	101.06	2.141	0.097
19-BAZ-14	zone d-1	77.97	1.36	< 0.012	15.66	2.56	3.317	100.87	2.151	0.088
19-BAZ-14	zone d-1	76.68	2.28	< 0.012	18.46	1.09	2.209	100.72	2.096	0.146
19-BAZ-14	zone d-1	77.86	1.54	0.066	16.09	2.28	3.282	101.12	2.138	0.099
19-BAZ-14	zone d-1	76.63	2.38	< 0.012	18.89	1.08	1.948	100.93	2.087	0.151
19-BAZ-14	zone d-1	76.64	2.30	< 0.012	18.28	1.31	2.137	100.67	2.095	0.147
19-BAZ-14	zone d-1	76.41	2.51	0.020	19.19	1.18	1.359	100.67	2.084	0.160
19-BAZ-14	zone d-1	76.08	2.75	< 0.012	20.27	1.51	0.113	100.71	2.067	0.175
	average	77.75	1.68	0.039	17.15	2.11	2.411	101.12	2.132	0.108
	standard deviation	0.77	0.51	0.043	1.35	0.84	0.807	0.24	0.030	0.032
	safflorite	CoAs2								

SAMPLE	Cu	Co	Fe	Ni	Total cation	As CDL99	S CDL99
SKUTTERUDITE							
19-BAZ-18-zone_a	0.000	1.029	0.329	0.000	4.000	0.016	0.018
19-BAZ-18-zone_a	0.000	1.021	0.334	0.000	4.000	0.016	0.017
19-BAZ-18-zone_a	0.000	0.965	0.400	0.001	4.000	0.010	0.010
19-BAZ-18-zone_a	0.000	1.003	0.355	0.001	4.000	0.011	0.010
19-BAZ-18-zone_a	0.000	1.041	0.317	0.001	4.000	0.011	0.010
19-BAZ-18-zone_a	0.000	1.010	0.346	0.000	4.000	0.011	0.010
19-BAZ-18-zone_a	0.000	1.027	0.330	0.000	4.000	0.011	0.010
19-BAZ-18-zone_a	0.000	1.046	0.307	0.000	4.000	0.011	0.010
19-BAZ-18-zone_a	0.000	1.028	0.329	0.001	4.000	0.011	0.010
19-BAZ-18-zone_a	0.000	1.068	0.289	0.001	4.000	0.011	0.010
19-BAZ-18-zone_a	0.000	1.040	0.314	0.001	4.000	0.011	0.010
19-BAZ-18-zone_b	0.000	1.061	0.293	0.001	4.000	0.011	0.010
19-BAZ-18-zone_b	0.000	0.985	0.371	0.001	4.000	0.011	0.010
19-BAZ-18-zone_b	0.000	1.014	0.340	0.001	4.000	0.011	0.010
19-BAZ-18-zone_b	0.000	1.008	0.347	0.001	4.000	0.011	0.010
19-BAZ-18-zone_b	0.000	1.029	0.328	0.001	4.000	0.011	0.010
19-BAZ-18-zone_b	0.000	1.030	0.324	0.000	4.000	0.011	0.010
19-BAZ-18-zone_b	0.000	1.016	0.343	0.001	4.000	0.011	0.010
19-BAZ-18-zone_b	0.001	1.046	0.312	0.001	4.000	0.011	0.010
19-BAZ-18-zone_b	0.000	1.045	0.311	0.001	4.000	0.011	0.010
19-BAZ-18-zone_b	0.001	1.047	0.311	0.001	4.000	0.011	0.010
19-BAZ-18-zone_c	0.000	0.958	0.400	0.001	4.000	0.011	0.010
19-BAZ-18-zone_c	0.000	0.932	0.422	0.001	4.000	0.011	0.010
19-BAZ-18-zone_c	0.000	0.996	0.362	0.000	4.000	0.011	0.010
19-BAZ-18-zone_c	0.000	0.933	0.428	0.001	4.000	0.011	0.010
19-BAZ-18-zone_c	0.000	0.947	0.413	0.000	4.000	0.011	0.010
19-BAZ-18-zone_c	0.000	0.970	0.386	0.001	4.000	0.011	0.010
19-BAZ-18-zone_c	0.000	0.962	0.395	0.000	4.000	0.011	0.010
19-BAZ-18-zone_d	0.001	1.001	0.358	0.000	4.000	0.011	0.010
19-BAZ-18-zone_d	0.000	1.037	0.324	0.001	4.000	0.011	0.010
19-BAZ-18-zone_d	0.001	0.942	0.420	0.002	4.000	0.011	0.010
19-BAZ-18-zone_d	0.000	0.976	0.385	0.001	4.000	0.011	0.010
19-BAZ-18-zone_d	0.000	0.984	0.379	0.001	4.000	0.011	0.010
19-BAZ-18-zone_d	0.001	0.990	0.375	0.001	4.000	0.011	0.010
19-BAZ-18-zone_d	0.000	0.992	0.365	0.001	4.000	0.011	0.010
19-BAZ-18-zone_d	0.000	1.004	0.348	0.005	4.000	0.011	0.010
19-BAZ-18-zone_d	0.000	1.024	0.332	0.001	4.000	0.011	0.010
19-BAZ-18-zone_d	0.000	1.014	0.349	0.003	4.000	0.011	0.010
19-BAZ-18-zone_d	0.000	1.019	0.332	0.011	4.000	0.011	0.010
19-BAZ-18-zone_e	0.000	1.001	0.351	0.002	4.000	0.011	0.010
19-BAZ-18-zone_e	0.000	1.019	0.333	0.002	4.000	0.011	0.010
19-BAZ-18-zone_e	0.000	1.010	0.345	0.003	4.000	0.011	0.010
19-BAZ-18-zone_e	0.000	1.005	0.345	0.007	4.000	0.011	0.010
19-BAZ-18-zone_e	0.000	1.034	0.312	0.010	4.000	0.011	0.010
19-BAZ-18-zone_e	0.000	1.011	0.335	0.014	4.000	0.011	0.010
19-BAZ-18-zone_e	0.000	1.050	0.303	0.008	4.000	0.011	0.010
19-BAZ-18-zone_e	0.000	1.017	0.335	0.003	4.000	0.011	0.010
19-BAZ-18-zone_e	0.001	1.006	0.349	0.003	4.000	0.011	0.010
19-BAZ-18-zone_f	0.001	1.046	0.304	0.001	4.000	0.011	0.010
19-BAZ-18-zone_f	0.000	1.003	0.352	0.004	4.000	0.010	0.010
19-BAZ-18-zone_f	0.000	1.015	0.340	0.003	4.000	0.011	0.010
19-BAZ-18-zone_f	0.000	1.000	0.357	0.002	4.000	0.010	0.010
19-BAZ-18-zone_f	0.000	1.011	0.342	0.002	4.000	0.011	0.010
19-BAZ-18-zone_f	0.000	0.992	0.364	0.002	4.000	0.011	0.010
19-BAZ-18-zone_f	0.000	1.018	0.337	0.003	4.000	0.011	0.010
19-BAZ-18-zone_f	0.000	0.999	0.355	0.003	4.000	0.011	0.010
19-BAZ-18-zone_f	0.000	1.001	0.350	0.008	4.000	0.010	0.010
19-BAZ-18-zone_f	0.000	1.011	0.331	0.013	4.000	0.011	0.010

19-BAZ-18-zone_f	0.000	0.992	0.345	0.019	4.000	0.011	0.010
19-BAZ-18-zone_f	0.000	1.012	0.328	0.020	4.000	0.011	0.011
19-BAZ-18-zone_f	0.000	1.045	0.297	0.017	4.000	0.011	0.010
19-BAZ-18-zone_f	0.000	1.020	0.327	0.010	4.000	0.011	0.010
19-BAZ-18-zone_f	0.000	1.018	0.333	0.005	4.000	0.011	0.010
19-BAZ-18-zone_f	0.000	1.046	0.303	0.007	4.000	0.011	0.010
19-BAZ-18-zone_f	0.001	1.038	0.312	0.005	4.000	0.011	0.010
19-BAZ-18-zone_f	0.000	1.043	0.309	0.006	4.000	0.011	0.010
19-BAZ-18-zone_f	0.000	1.034	0.317	0.006	4.000	0.011	0.010
19-BAZ-18-zone_f	0.000	1.027	0.324	0.007	4.000	0.011	0.010
average	-	1.011	0.343	0.004	4.000		
standard deviation	-	0.030	0.032	0.005	-		

NICKELINE							
BAZ-04- zone A nicksingle01	0.000	0.002	0.000	1.000	2.000	0.012	0.010
19-BAZ-04-zone a-1	0.000	0.001	0.000	1.002	2.000	0.012	0.010
19-BAZ-04-zone a-1	0.000	0.002	0.000	1.003	2.000	0.012	0.010
19-BAZ-04-zone a-1	0.000	0.002	0.000	1.004	2.000	0.012	0.010
19-BAZ-04-zone a-1	0.000	0.002	0.000	1.003	2.000	0.012	0.010
19-BAZ-04-zone a-1	0.000	0.002	0.000	1.003	2.000	0.012	0.010
19-BAZ-04-zone a-1	0.000	0.002	0.000	1.003	2.000	0.012	0.010
19-BAZ-04-zone a-1	0.000	0.002	0.000	1.003	2.000	0.012	0.010
19-BAZ-04-zone a-1	0.000	0.002	0.000	1.002	2.000	0.012	0.010
19-BAZ-04-zone a-1	0.000	0.002	0.000	1.004	2.000	0.012	0.010
19-BAZ-04-zone a-1	0.000	0.002	0.000	1.005	2.000	0.012	0.010
19-BAZ-04-zone a-1	0.000	0.002	0.000	1.004	2.000	0.012	0.010
19-BAZ-04-zone a-1	0.000	0.002	0.000	1.004	2.000	0.012	0.010
19-BAZ-04-zone a-1	0.000	0.001	0.000	1.004	2.000	0.012	0.010
19-BAZ-04-zone a-1	0.000	0.002	0.000	1.003	2.000	0.012	0.010
19-BAZ-04-zone a-1	0.000	0.002	0.000	1.005	2.000	0.012	0.010
19-BAZ-04-zone a-1	0.000	0.002	0.000	1.006	2.000	0.012	0.010
19-BAZ-04-zone a-1	0.000	0.002	0.000	1.005	2.000	0.012	0.010
19-BAZ-04-zone a-1	0.000	0.002	0.000	1.005	2.000	0.012	0.011
19-BAZ-04-zone a-1	0.000	0.002	0.000	1.003	2.000	0.012	0.010
19-BAZ-04-zone a-1	0.000	0.002	0.000	1.004	2.000	0.012	0.010
19-BAZ-04-zone b-1	0.000	0.002	0.000	1.005	2.000	0.012	0.010
19-BAZ-04-zone b-1	0.000	0.001	0.000	1.007	2.000	0.012	0.010
19-BAZ-04-zone b-1	0.000	0.002	0.000	1.006	2.000	0.012	0.010
19-BAZ-04-zone b-1	0.000	0.001	0.000	1.007	2.000	0.012	0.010
19-BAZ-04-zone b-1	0.000	0.001	0.000	1.007	2.000	0.012	0.010
19-BAZ-04-zone b-1	0.000	0.001	0.000	1.006	2.000	0.012	0.010
19-BAZ-04-zone b-1	0.000	0.002	0.000	1.007	2.000	0.012	0.010
19-BAZ-04-zone b-1	0.000	0.002	0.000	1.007	2.000	0.012	0.010
19-BAZ-04-zone b-1	0.000	0.001	0.000	1.006	2.000	0.012	0.010
19-BAZ-04-zone b-1	0.000	0.002	0.000	1.005	2.000	0.012	0.010
19-BAZ-04-zone b-1	0.000	0.002	0.000	1.007	2.000	0.012	0.010
19-BAZ-04-zone b-1	0.000	0.002	0.000	1.006	2.000	0.012	0.010
19-BAZ-04-zone b-1	0.000	0.002	0.000	1.007	2.000	0.012	0.010
19-BAZ-04-zone b-1	0.000	0.002	0.000	1.006	2.000	0.012	0.010
19-BAZ-04-zone b-1	0.000	0.002	0.000	1.006	2.000	0.012	0.010
19-BAZ-04-zone b-1	0.000	0.002	0.000	1.007	2.000	0.012	0.011
19-BAZ-04-zone b-1	0.000	0.002	0.000	1.007	2.000	0.012	0.010
19-BAZ-04-zone b-1	0.000	0.002	0.000	1.007	2.000	0.012	0.010
19-BAZ-04-zone b-1	0.000	0.002	0.000	1.007	2.000	0.012	0.010
19-BAZ-04-zone b-1	0.000	0.002	0.000	1.006	2.000	0.012	0.010
19-BAZ-04-zone b-2	0.000	0.002	0.000	1.008	2.000	0.012	0.010
19-BAZ-04-zone b-2	0.000	0.002	0.000	1.007	2.000	0.012	0.010
19-BAZ-04-zone b-2	0.000	0.002	0.000	1.007	2.000	0.012	0.010
19-BAZ-04-zone b-2	0.000	0.002	0.000	1.008	2.000	0.012	0.010
19-BAZ-04-zone b-2	0.000	0.002	0.000	1.007	2.000	0.012	0.010
19-BAZ-04-zone b-2	0.000	0.002	0.000	1.008	2.000	0.012	0.010

19-BAZ-04-zone b-2	0.000	0.002	0.000	1.007	2.000	0.012	0.010
19-BAZ-04-zone b-2	0.000	0.002	0.000	1.007	2.000	0.012	0.010
19-BAZ-04-zone b-2	0.000	0.001	0.000	1.007	2.000	0.012	0.010
19-BAZ-04-zone b-2	0.000	0.002	0.000	1.007	2.000	0.012	0.010
19-BAZ-04-zone b-2	0.000	0.002	0.000	1.009	2.000	0.012	0.010
19-BAZ-04-zone b-2	0.000	0.002	0.000	1.008	2.000	0.012	0.010
19-BAZ-04-zone b-2	0.000	0.002	0.000	1.008	2.000	0.012	0.010
19-BAZ-04-zone b-2	0.000	0.001	0.000	1.008	2.000	0.012	0.010
19-BAZ-04-zone b-2	0.000	0.002	0.000	1.008	2.000	0.012	0.010
average	-	0.002	-	1.006	2.000		
standard deviation	-	0.000	-	0.002	-		

RAMMELSBERGITE							
19-BAZ-04-zone a-2	0.000	0.087	0.002	0.920	3.000	0.011	0.010
19-BAZ-04-zone a-2	0.000	0.088	0.002	0.922	3.000	0.011	0.010
19-BAZ-04-zone a-2	0.000	0.077	0.002	0.930	3.000	0.011	0.010
19-BAZ-04-zone a-2	0.000	0.078	0.002	0.931	3.000	0.011	0.010
19-BAZ-04-zone a-2	0.000	0.086	0.001	0.924	3.000	0.011	0.010
19-BAZ-04-zone a-2	0.000	0.093	0.002	0.917	3.000	0.011	0.011
19-BAZ-04-zone a-2	0.000	0.086	0.002	0.922	3.000	0.011	0.010
19-BAZ-04-zone a-2	0.000	0.107	0.001	0.902	3.000	0.011	0.010
19-BAZ-04-zone a-2	0.000	0.108	0.001	0.904	3.000	0.011	0.011
19-BAZ-04-zone a-2	0.000	0.083	0.002	0.920	3.000	0.011	0.010
19-BAZ-04-zone a-3	0.000	0.145	0.001	0.863	3.000	0.011	0.011
19-BAZ-04-zone a-3	0.000	0.184	0.002	0.821	3.000	0.011	0.010
19-BAZ-04-zone a-3	0.000	0.184	0.002	0.821	3.000	0.011	0.011
19-BAZ-04-zone a-3	0.000	0.156	0.001	0.851	3.000	0.011	0.010
19-BAZ-04-zone a-3	0.000	0.158	0.001	0.849	3.000	0.011	0.010
19-BAZ-04-zone a-3	0.000	0.125	0.002	0.882	3.000	0.011	0.010
19-BAZ-04-zone a-3	0.000	0.124	0.002	0.882	3.000	0.011	0.010
19-BAZ-04-zone a-3	0.000	0.207	0.002	0.799	3.000	0.011	0.011
19-BAZ-04-zone a-3	0.000	0.134	0.002	0.871	3.000	0.011	0.010
19-BAZ-04-zone a-3	0.000	0.276	0.003	0.729	3.000	0.011	0.010
19-BAZ-04-zone c-1	0.000	0.105	0.001	0.913	3.000	0.011	0.010
19-BAZ-04-zone c-1	0.000	0.100	0.001	0.915	3.000	0.011	0.010
19-BAZ-04-zone c-1	0.000	0.076	0.002	0.941	3.000	0.011	0.010
19-BAZ-04-zone c-1	0.000	0.082	0.002	0.932	3.000	0.011	0.010
19-BAZ-04-zone c-1	0.000	0.084	0.002	0.935	3.000	0.011	0.010
19-BAZ-04-zone c-1	0.000	0.077	0.002	0.940	3.000	0.011	0.011
19-BAZ-04-zone c-1	0.000	0.138	0.002	0.877	3.000	0.011	0.010
19-BAZ-04-zone c-1	0.000	0.123	0.001	0.895	3.000	0.011	0.010
19-BAZ-04-zone c-2	0.000	0.188	0.002	0.828	3.000	0.011	0.011
19-BAZ-04-zone c-2	0.000	0.221	0.002	0.794	3.000	0.011	0.010
19-BAZ-04-zone c-2	0.000	0.156	0.002	0.859	3.000	0.011	0.010
19-BAZ-04-zone c-2	0.000	0.157	0.002	0.858	3.000	0.011	0.010
19-BAZ-04-zone c-2	0.000	0.149	0.002	0.866	3.000	0.011	0.010
19-BAZ-04-zone c-2	0.000	0.072	0.001	0.949	3.000	0.011	0.010
19-BAZ-04-zone c-2	0.000	0.050	0.002	0.963	3.000	0.011	0.010
19-BAZ-04-zone d-1	0.000	0.088	0.002	0.927	3.000	0.011	0.011
19-BAZ-04-zone d-1	0.000	0.048	0.002	0.965	3.000	0.011	0.011
19-BAZ-04-zone d-1	0.000	0.051	0.002	0.959	3.000	0.011	0.010
19-BAZ-04-zone d-1	0.000	0.044	0.002	0.968	3.000	0.011	0.011
19-BAZ-04-zone d-1	0.000	0.062	0.002	0.951	3.000	0.011	0.010
19-BAZ-04-zone d-1	0.000	0.089	0.002	0.924	3.000	0.011	0.010
19-BAZ-04-zone d-1	0.000	0.105	0.001	0.911	3.000	0.011	0.010
19-BAZ-04-zone d-1	0.000	0.066	0.002	0.946	3.000	0.011	0.011
19-BAZ-04-zone d-1	0.000	0.078	0.001	0.938	3.000	0.011	0.010
19-BAZ-04-zone d-1	0.000	0.098	0.001	0.916	3.000	0.011	0.010
19-BAZ-04-zone d-1	0.000	0.056	0.001	0.956	3.000	0.011	0.010
19-BAZ-04-zone d-2	0.000	0.069	0.002	0.944	3.000	0.011	0.010
19-BAZ-04-zone d-2	0.000	0.073	0.002	0.942	3.000	0.011	0.010

19-BAZ-04-zone d-2	0.000	0.077	0.002	0.937	3.000	0.011	0.010
19-BAZ-04-zone d-2	0.000	0.077	0.002	0.935	3.000	0.011	0.010
19-BAZ-04-zone d-2	0.000	0.078	0.002	0.937	3.000	0.011	0.010
19-BAZ-04-zone d-2	0.000	0.076	0.002	0.937	3.000	0.011	0.010
19-BAZ-04-zone d-2	0.000	0.078	0.002	0.936	3.000	0.011	0.010
19-BAZ-04-zone d-2	0.000	0.078	0.002	0.935	3.000	0.011	0.010
19-BAZ-04-zone d-2	0.000	0.078	0.002	0.936	3.000	0.011	0.010
average	-	0.106	0.002	0.906	3.000		
standard deviation	-	0.048	0.000	0.050	-		
rammelsbergite							

SAFFLORITE							
19-BAZ-14 zone-b 1	0.000	0.554	0.087	0.120	3.000	0.010	0.010
19-BAZ-14 zone-b 2	0.000	0.550	0.096	0.117	3.000	0.011	0.010
19-BAZ-14 zone-b 3	0.001	0.545	0.129	0.087	3.000	0.010	0.011
19-BAZ-14 other zone 1	0.001	0.628	0.074	0.056	3.000	0.010	0.010
19-BAZ-14 other zone 2	0.000	0.619	0.108	0.033	3.000	0.010	0.011
19-BAZ-14 zone e sgpt 1	0.000	0.597	0.068	0.090	3.000	0.010	0.010
19-BAZ-14 zone e sgpt 2	0.000	0.682	0.042	0.031	3.000	0.010	0.011
19-BAZ-14 zone d sgpt 1	0.000	0.636	0.039	0.083	3.000	0.010	0.010
19-BAZ-14 zone d sgpt 2	0.002	0.614	0.050	0.091	3.000	0.010	0.010
19-BAZ-14 zone b-1	0.000	0.575	0.070	0.114	3.000	0.010	0.010
19-BAZ-14 zone b-1	0.000	0.560	0.086	0.115	3.000	0.010	0.010
19-BAZ-14 zone b-1	0.000	0.553	0.120	0.088	3.000	0.010	0.010
19-BAZ-14 zone b-1	0.000	0.547	0.127	0.086	3.000	0.010	0.010
19-BAZ-14 zone b-1	0.000	0.582	0.108	0.070	3.000	0.010	0.010
19-BAZ-14 zone b-1	0.000	0.579	0.117	0.068	3.000	0.010	0.010
19-BAZ-14 zone b-1	0.001	0.572	0.130	0.061	3.000	0.010	0.010
19-BAZ-14 zone b-1	0.000	0.590	0.125	0.046	3.000	0.010	0.010
19-BAZ-14 zone b-1	0.000	0.577	0.129	0.057	3.000	0.010	0.010
19-BAZ-14 zone b-1	0.008	0.582	0.127	0.052	3.000	0.010	0.010
19-BAZ-14 zone b-1	0.001	0.567	0.131	0.066	3.000	0.010	0.010
19-BAZ-14 zone b-1	0.001	0.570	0.122	0.071	3.000	0.010	0.010
19-BAZ-14 zone b-1	0.002	0.555	0.125	0.082	3.000	0.010	0.010
19-BAZ-14 zone b-1	0.000	0.541	0.128	0.097	3.000	0.010	0.011
19-BAZ-14 zone b-1	0.003	0.561	0.104	0.095	3.000	0.010	0.010
19-BAZ-14 zone b-1	0.001	0.529	0.125	0.110	3.000	0.010	0.011
19-BAZ-14 zone b-1	0.000	0.527	0.118	0.119	3.000	0.010	0.010
19-BAZ-14 zone b-1	0.001	0.507	0.116	0.135	3.000	0.010	0.010
19-BAZ-14 zone b-1	0.000	0.515	0.116	0.133	3.000	0.010	0.010
19-BAZ-14 zone b-1	0.000	0.505	0.117	0.140	3.000	0.010	0.010
19-BAZ-14 zone e-1	0.000	0.604	0.068	0.089	3.000	0.010	0.011
19-BAZ-14 zone e-1	0.001	0.653	0.085	0.023	3.000	0.010	0.010
19-BAZ-14 zone e-1	0.002	0.652	0.071	0.033	3.000	0.010	0.011
19-BAZ-14 zone e-1	0.001	0.652	0.065	0.042	3.000	0.010	0.010
19-BAZ-14 zone e-1	0.001	0.627	0.074	0.060	3.000	0.010	0.010
19-BAZ-14 zone e-1	0.001	0.651	0.054	0.053	3.000	0.010	0.010
19-BAZ-14 zone e-1	0.001	0.587	0.074	0.098	3.000	0.010	0.010
19-BAZ-14 zone e-1	0.001	0.565	0.077	0.118	3.000	0.010	0.010
19-BAZ-14 zone e-1	0.000	0.594	0.070	0.097	3.000	0.010	0.010
19-BAZ-14 zone e-1	0.000	0.601	0.080	0.082	3.000	0.010	0.010
19-BAZ-14 zone e-1	0.000	0.591	0.083	0.088	3.000	0.010	0.010
19-BAZ-14 zone e-1	0.000	0.583	0.078	0.100	3.000	0.010	0.010
19-BAZ-14 zone e-1	0.000	0.589	0.070	0.103	3.000	0.010	0.010
19-BAZ-14 zone e-1	0.000	0.579	0.073	0.111	3.000	0.010	0.010
19-BAZ-14 zone e-1	0.001	0.594	0.058	0.110	3.000	0.010	0.010
19-BAZ-14 zone d-1	0.001	0.655	0.038	0.066	3.000	0.010	0.010
19-BAZ-14 zone d-1	0.000	0.657	0.041	0.054	3.000	0.010	0.010
19-BAZ-14 zone d-1	0.001	0.650	0.047	0.064	3.000	0.010	0.010
19-BAZ-14 zone d-1	0.001	0.651	0.043	0.065	3.000	0.010	0.010
19-BAZ-14 zone d-1	0.001	0.646	0.044	0.067	3.000	0.010	0.010

19-BAZ-14	zone d-1	0.001	0.621	0.052	0.085	3.000	0.010	0.010
19-BAZ-14	zone d-1	0.000	0.650	0.040	0.067	3.000	0.010	0.010
19-BAZ-14	zone d-1	0.000	0.639	0.044	0.076	3.000	0.010	0.010
19-BAZ-14	zone d-1	0.000	0.613	0.053	0.091	3.000	0.010	0.010
19-BAZ-14	zone d-1	0.001	0.622	0.047	0.089	3.000	0.010	0.010
19-BAZ-14	zone d-1	0.000	0.609	0.054	0.094	3.000	0.010	0.010
19-BAZ-14	zone d-1	0.000	0.639	0.041	0.077	3.000	0.010	0.010
19-BAZ-14	zone d-1	0.001	0.638	0.041	0.079	3.000	0.010	0.010
19-BAZ-14	zone d-1	0.000	0.640	0.040	0.078	3.000	0.010	0.010
19-BAZ-14	zone d-1	0.000	0.624	0.047	0.089	3.000	0.010	0.010
19-BAZ-14	zone d-1	0.000	0.643	0.039	0.076	3.000	0.010	0.010
19-BAZ-14	zone d-1	0.000	0.618	0.044	0.099	3.000	0.010	0.010
19-BAZ-14	zone d-1	0.000	0.562	0.069	0.129	3.000	0.010	0.010
19-BAZ-14	zone d-1	0.000	0.562	0.082	0.118	3.000	0.011	0.010
19-BAZ-14	zone d-1	0.000	0.559	0.083	0.119	3.000	0.010	0.010
19-BAZ-14	zone d-1	0.000	0.569	0.079	0.112	3.000	0.010	0.010
19-BAZ-14	zone d-1	0.000	0.549	0.093	0.119	3.000	0.010	0.010
19-BAZ-14	zone d-1	0.000	0.564	0.084	0.114	3.000	0.010	0.010
19-BAZ-14	zone d-1	0.000	0.549	0.095	0.117	3.000	0.010	0.010
19-BAZ-14	zone d-1	0.000	0.641	0.040	0.077	3.000	0.010	0.010
19-BAZ-14	zone d-1	0.002	0.562	0.084	0.115	3.000	0.010	0.010
19-BAZ-14	zone d-1	0.000	0.654	0.039	0.068	3.000	0.010	0.010
19-BAZ-14	zone d-1	0.000	0.635	0.048	0.075	3.000	0.010	0.010
19-BAZ-14	zone d-1	0.001	0.665	0.043	0.047	3.000	0.010	0.010
19-BAZ-14	zone d-1	0.000	0.700	0.055	0.004	3.000	0.010	0.010
	average	0.001	0.598	0.078	0.084	3.000		
	standard deviation	0.001	0.044	0.031	0.029	-		
	safflorite							

SAMPLE	Cu CDL99	Co CDL99	Fe CDL99	Ni CDL99	As %ERR	S %ERR
SKUTTERUDITE						
19-BAZ-18-zone_a	0.028	0.022	0.019	0.037	0.114	3.956
19-BAZ-18-zone_a	0.028	0.021	0.019	0.037	0.115	2.862
19-BAZ-18-zone_a	0.013	0.021	0.011	0.015	0.074	3.405
19-BAZ-18-zone_a	0.013	0.021	0.011	0.015	0.074	1.570
19-BAZ-18-zone_a	0.013	0.021	0.011	0.015	0.074	1.748
19-BAZ-18-zone_a	0.013	0.021	0.011	0.015	0.074	1.547
19-BAZ-18-zone_a	0.013	0.021	0.011	0.015	0.074	1.335
19-BAZ-18-zone_a	0.013	0.021	0.011	0.015	0.075	1.158
19-BAZ-18-zone_a	0.013	0.021	0.011	0.015	0.074	1.389
19-BAZ-18-zone_a	0.013	0.021	0.011	0.015	0.074	1.420
19-BAZ-18-zone_a	0.013	0.021	0.011	0.015	0.074	1.355
19-BAZ-18-zone_b	0.013	0.021	0.011	0.015	0.074	6.344
19-BAZ-18-zone_b	0.013	0.021	0.011	0.015	0.074	1.399
19-BAZ-18-zone_b	0.013	0.021	0.011	0.015	0.074	1.747
19-BAZ-18-zone_b	0.013	0.021	0.011	0.015	0.074	1.816
19-BAZ-18-zone_b	0.013	0.021	0.011	0.015	0.074	1.735
19-BAZ-18-zone_b	0.013	0.021	0.011	0.015	0.074	1.364
19-BAZ-18-zone_b	0.013	0.021	0.011	0.015	0.074	1.663
19-BAZ-18-zone_b	0.013	0.021	0.011	0.015	0.074	1.926
19-BAZ-18-zone_b	0.013	0.022	0.011	0.015	0.075	1.255
19-BAZ-18-zone_b	0.013	0.021	0.011	0.015	0.074	1.347
19-BAZ-18-zone_c	0.013	0.021	0.011	0.015	0.074	5.237
19-BAZ-18-zone_c	0.013	0.021	0.011	0.015	0.074	3.536
19-BAZ-18-zone_c	0.013	0.021	0.011	0.015	0.074	2.067
19-BAZ-18-zone_c	0.013	0.021	0.011	0.015	0.074	9.637
19-BAZ-18-zone_c	0.013	0.021	0.011	0.015	0.074	2.237
19-BAZ-18-zone_c	0.013	0.021	0.011	0.015	0.074	1.815
19-BAZ-18-zone_c	0.013	0.022	0.011	0.015	0.074	6.716
19-BAZ-18-zone_d	0.013	0.021	0.011	0.015	0.075	0.948
19-BAZ-18-zone_d	0.013	0.021	0.011	0.015	0.076	0.809
19-BAZ-18-zone_d	0.013	0.021	0.011	0.015	0.074	1.512
19-BAZ-18-zone_d	0.013	0.021	0.011	0.015	0.074	1.275
19-BAZ-18-zone_d	0.013	0.021	0.011	0.015	0.074	1.497
19-BAZ-18-zone_d	0.013	0.021	0.011	0.015	0.074	1.622
19-BAZ-18-zone_d	0.013	0.021	0.011	0.015	0.074	1.474
19-BAZ-18-zone_d	0.013	0.022	0.011	0.015	0.074	1.586
19-BAZ-18-zone_d	0.013	0.021	0.011	0.015	0.074	1.351
19-BAZ-18-zone_d	0.013	0.022	0.011	0.015	0.074	1.801
19-BAZ-18-zone_d	0.013	0.021	0.011	0.015	0.074	1.590
19-BAZ-18-zone_e	0.013	0.021	0.011	0.015	0.075	1.006
19-BAZ-18-zone_e	0.013	0.021	0.011	0.015	0.076	0.852
19-BAZ-18-zone_e	0.013	0.022	0.011	0.015	0.075	1.070
19-BAZ-18-zone_e	0.013	0.021	0.011	0.015	0.075	1.141
19-BAZ-18-zone_e	0.013	0.022	0.011	0.015	0.075	0.910
19-BAZ-18-zone_e	0.013	0.021	0.011	0.015	0.075	1.400
19-BAZ-18-zone_e	0.013	0.022	0.011	0.015	0.076	0.891
19-BAZ-18-zone_e	0.013	0.022	0.011	0.015	0.075	1.129
19-BAZ-18-zone_e	0.013	0.021	0.011	0.015	0.075	1.411
19-BAZ-18-zone_f	0.013	0.021	0.011	0.015	0.075	0.888
19-BAZ-18-zone_f	0.013	0.021	0.011	0.015	0.075	1.446
19-BAZ-18-zone_f	0.013	0.021	0.011	0.015	0.075	1.263
19-BAZ-18-zone_f	0.013	0.022	0.011	0.015	0.074	1.695
19-BAZ-18-zone_f	0.013	0.022	0.011	0.015	0.074	1.721
19-BAZ-18-zone_f	0.013	0.021	0.011	0.015	0.074	2.358
19-BAZ-18-zone_f	0.013	0.021	0.011	0.015	0.074	1.590
19-BAZ-18-zone_f	0.013	0.021	0.011	0.015	0.074	2.556
19-BAZ-18-zone_f	0.013	0.021	0.011	0.015	0.074	1.341
19-BAZ-18-zone_f	0.013	0.022	0.011	0.015	0.075	1.228

19-BAZ-18-zone_f	0.013	0.022	0.011	0.015	0.074	1.572
19-BAZ-18-zone_f	0.013	0.021	0.011	0.015	0.075	1.312
19-BAZ-18-zone_f	0.013	0.021	0.011	0.015	0.075	1.077
19-BAZ-18-zone_f	0.013	0.021	0.011	0.015	0.075	1.212
19-BAZ-18-zone_f	0.013	0.021	0.011	0.015	0.074	1.937
19-BAZ-18-zone_f	0.013	0.021	0.011	0.015	0.075	1.105
19-BAZ-18-zone_f	0.013	0.021	0.011	0.015	0.074	1.464
19-BAZ-18-zone_f	0.013	0.021	0.011	0.015	0.075	1.146
19-BAZ-18-zone_f	0.013	0.021	0.011	0.015	0.075	1.289
19-BAZ-18-zone_f	0.013	0.021	0.011	0.015	0.074	1.614
average						
standard deviation						
NICKELINE						
BAZ-04- zone A nicksingle01	0.015	0.021	0.010	0.016	0.094	19.848
19-BAZ-04-zone a-1	0.014	0.021	0.010	0.016	0.094	15.124
19-BAZ-04-zone a-1	0.014	0.021	0.010	0.016	0.094	22.161
19-BAZ-04-zone a-1	0.015	0.021	0.010	0.016	0.094	21.829
19-BAZ-04-zone a-1	0.015	0.021	0.010	0.016	0.094	23.264
19-BAZ-04-zone a-1	0.015	0.021	0.010	0.016	0.094	21.364
19-BAZ-04-zone a-1	0.015	0.021	0.010	0.016	0.094	17.587
19-BAZ-04-zone a-1	0.015	0.021	0.010	0.016	0.094	16.398
19-BAZ-04-zone a-1	0.015	0.021	0.010	0.016	0.094	17.744
19-BAZ-04-zone a-1	0.015	0.021	0.010	0.016	0.094	14.806
19-BAZ-04-zone a-1	0.015	0.021	0.010	0.016	0.094	21.405
19-BAZ-04-zone a-1	0.014	0.021	0.010	0.016	0.094	16.849
19-BAZ-04-zone a-1	0.015	0.021	0.010	0.016	0.094	19.420
19-BAZ-04-zone a-1	0.015	0.021	0.010	0.016	0.094	20.350
19-BAZ-04-zone a-1	0.015	0.021	0.010	0.016	0.094	18.884
19-BAZ-04-zone a-1	0.014	0.021	0.010	0.016	0.094	15.132
19-BAZ-04-zone a-1	0.015	0.021	0.010	0.016	0.094	44.423
19-BAZ-04-zone a-1	0.015	0.021	0.010	0.016	0.094	22.301
19-BAZ-04-zone a-1	0.015	0.021	0.010	0.016	0.094	35.814
19-BAZ-04-zone a-1	0.015	0.021	0.010	0.016	0.094	24.963
19-BAZ-04-zone a-1	0.015	0.021	0.010	0.016	0.094	21.433
19-BAZ-04-zone b-1	0.015	0.021	0.010	0.016	0.094	15.848
19-BAZ-04-zone b-1	0.015	0.022	0.010	0.016	0.094	14.511
19-BAZ-04-zone b-1	0.015	0.021	0.010	0.016	0.094	15.392
19-BAZ-04-zone b-1	0.015	0.021	0.010	0.016	0.094	10.746
19-BAZ-04-zone b-1	0.015	0.021	0.010	0.016	0.094	14.565
19-BAZ-04-zone b-1	0.015	0.021	0.010	0.016	0.094	13.012
19-BAZ-04-zone b-1	0.015	0.021	0.010	0.016	0.094	17.345
19-BAZ-04-zone b-1	0.015	0.021	0.010	0.016	0.094	13.173
19-BAZ-04-zone b-1	0.015	0.021	0.010	0.016	0.094	18.476
19-BAZ-04-zone b-1	0.015	0.021	0.010	0.016	0.094	20.115
19-BAZ-04-zone b-1	0.014	0.021	0.010	0.016	0.094	19.985
19-BAZ-04-zone b-1	0.015	0.021	0.010	0.016	0.094	33.644
19-BAZ-04-zone b-1	0.015	0.021	0.010	0.016	0.094	23.942
19-BAZ-04-zone b-1	0.015	0.021	0.010	0.016	0.094	22.292
19-BAZ-04-zone b-1	0.015	0.021	0.010	0.016	0.094	15.856
19-BAZ-04-zone b-1	0.015	0.021	0.010	0.016	0.094	13.017
19-BAZ-04-zone b-1	0.015	0.021	0.010	0.016	0.094	10.410
19-BAZ-04-zone b-1	0.015	0.021	0.010	0.016	0.094	10.167
19-BAZ-04-zone b-1	0.015	0.021	0.010	0.016	0.094	12.671
19-BAZ-04-zone b-1	0.015	0.021	0.010	0.016	0.094	22.284
19-BAZ-04-zone b-2	0.015	0.021	0.010	0.016	0.094	11.867
19-BAZ-04-zone b-2	0.015	0.021	0.010	0.016	0.094	11.162
19-BAZ-04-zone b-2	0.015	0.021	0.010	0.016	0.094	12.109
19-BAZ-04-zone b-2	0.015	0.021	0.010	0.016	0.094	13.357
19-BAZ-04-zone b-2	0.015	0.021	0.010	0.016	0.094	16.496
19-BAZ-04-zone b-2	0.015	0.021	0.010	0.016	0.094	22.144

19-BAZ-04-zone b-2	0.015	0.021	0.010	0.016	0.094	16.789
19-BAZ-04-zone b-2	0.015	0.021	0.010	0.016	0.094	13.566
19-BAZ-04-zone b-2	0.015	0.021	0.010	0.016	0.094	10.010
19-BAZ-04-zone b-2	0.015	0.021	0.010	0.016	0.094	18.385
19-BAZ-04-zone b-2	0.015	0.021	0.010	0.016	0.094	13.664
19-BAZ-04-zone b-2	0.015	0.021	0.010	0.016	0.094	13.291
19-BAZ-04-zone b-2	0.015	0.021	0.010	0.016	0.094	12.591
19-BAZ-04-zone b-2	0.015	0.021	0.010	0.016	0.094	8.446
19-BAZ-04-zone b-2	0.014	0.021	0.010	0.016	0.094	15.529
average						
standard deviation						

RAMMELSBERGITE

19-BAZ-04-zone a-2	0.014	0.021	0.010	0.015	0.079	0.686
19-BAZ-04-zone a-2	0.014	0.021	0.010	0.015	0.079	0.684
19-BAZ-04-zone a-2	0.014	0.021	0.011	0.015	0.079	0.705
19-BAZ-04-zone a-2	0.014	0.021	0.010	0.015	0.079	0.692
19-BAZ-04-zone a-2	0.014	0.021	0.011	0.015	0.079	0.677
19-BAZ-04-zone a-2	0.014	0.021	0.010	0.015	0.079	0.662
19-BAZ-04-zone a-2	0.014	0.021	0.010	0.015	0.079	0.670
19-BAZ-04-zone a-2	0.014	0.021	0.010	0.015	0.080	0.651
19-BAZ-04-zone a-2	0.014	0.021	0.010	0.015	0.080	0.658
19-BAZ-04-zone a-2	0.014	0.021	0.010	0.015	0.079	0.713
19-BAZ-04-zone a-3	0.014	0.021	0.011	0.015	0.079	0.706
19-BAZ-04-zone a-3	0.014	0.021	0.010	0.015	0.079	0.682
19-BAZ-04-zone a-3	0.014	0.021	0.011	0.015	0.079	0.688
19-BAZ-04-zone a-3	0.014	0.021	0.011	0.015	0.079	0.682
19-BAZ-04-zone a-3	0.014	0.021	0.011	0.015	0.079	0.688
19-BAZ-04-zone a-3	0.014	0.021	0.011	0.015	0.079	0.682
19-BAZ-04-zone a-3	0.014	0.021	0.010	0.015	0.079	0.691
19-BAZ-04-zone a-3	0.014	0.021	0.011	0.015	0.079	0.721
19-BAZ-04-zone a-3	0.014	0.021	0.011	0.015	0.078	0.852
19-BAZ-04-zone a-3	0.014	0.021	0.011	0.015	0.078	0.686
19-BAZ-04-zone c-1	0.014	0.021	0.010	0.015	0.079	0.688
19-BAZ-04-zone c-1	0.014	0.021	0.010	0.015	0.079	0.682
19-BAZ-04-zone c-1	0.014	0.021	0.010	0.015	0.078	0.782
19-BAZ-04-zone c-1	0.014	0.021	0.010	0.015	0.078	0.833
19-BAZ-04-zone c-1	0.014	0.021	0.010	0.015	0.078	0.767
19-BAZ-04-zone c-1	0.014	0.021	0.011	0.015	0.078	0.845
19-BAZ-04-zone c-1	0.014	0.021	0.010	0.015	0.078	0.741
19-BAZ-04-zone c-1	0.014	0.021	0.011	0.015	0.079	0.720
19-BAZ-04-zone c-2	0.014	0.021	0.011	0.015	0.079	0.679
19-BAZ-04-zone c-2	0.014	0.021	0.011	0.015	0.079	0.666
19-BAZ-04-zone c-2	0.014	0.021	0.010	0.015	0.079	0.693
19-BAZ-04-zone c-2	0.014	0.021	0.010	0.015	0.078	0.750
19-BAZ-04-zone c-2	0.014	0.021	0.010	0.015	0.078	0.771
19-BAZ-04-zone c-2	0.014	0.021	0.010	0.015	0.079	0.739
19-BAZ-04-zone c-2	0.014	0.021	0.011	0.015	0.078	0.825
19-BAZ-04-zone d-1	0.014	0.021	0.010	0.015	0.080	0.606
19-BAZ-04-zone d-1	0.014	0.021	0.010	0.015	0.078	0.842
19-BAZ-04-zone d-1	0.014	0.021	0.010	0.015	0.078	0.751
19-BAZ-04-zone d-1	0.014	0.021	0.010	0.015	0.078	0.800
19-BAZ-04-zone d-1	0.014	0.021	0.011	0.015	0.079	0.650
19-BAZ-04-zone d-1	0.014	0.021	0.010	0.015	0.079	0.637
19-BAZ-04-zone d-1	0.014	0.021	0.010	0.015	0.080	0.615
19-BAZ-04-zone d-1	0.014	0.021	0.010	0.015	0.079	0.733
19-BAZ-04-zone d-1	0.014	0.021	0.011	0.015	0.080	0.624
19-BAZ-04-zone d-1	0.014	0.021	0.010	0.015	0.080	0.629
19-BAZ-04-zone d-1	0.014	0.021	0.010	0.015	0.077	0.936
19-BAZ-04-zone d-2	0.014	0.021	0.010	0.015	0.079	0.654
19-BAZ-04-zone d-2	0.014	0.021	0.010	0.015	0.079	0.651

19-BAZ-04-zone d-2	0.014	0.021	0.010	0.015	0.079	0.637
19-BAZ-04-zone d-2	0.014	0.021	0.011	0.015	0.079	0.641
19-BAZ-04-zone d-2	0.014	0.021	0.010	0.015	0.079	0.647
19-BAZ-04-zone d-2	0.014	0.021	0.010	0.015	0.079	0.640
19-BAZ-04-zone d-2	0.014	0.021	0.010	0.015	0.079	0.647
19-BAZ-04-zone d-2	0.014	0.021	0.010	0.015	0.079	0.644
19-BAZ-04-zone d-2	0.014	0.021	0.010	0.015	0.079	0.640
average						
standard deviation						
rammelsbergite						
SAFFLORITE						
19-BAZ-14 zone-b 1	0.013	0.021	0.011	0.015	0.068	1.349
19-BAZ-14 zone-b 2	0.013	0.021	0.011	0.015	0.069	1.270
19-BAZ-14 zone-b 3	0.013	0.021	0.011	0.015	0.068	1.209
19-BAZ-14 other zone 1	0.013	0.021	0.011	0.015	0.069	0.894
19-BAZ-14 other zone 2	0.013	0.021	0.011	0.015	0.069	0.977
19-BAZ-14 zone e sgpt 1	0.013	0.021	0.011	0.015	0.069	0.927
19-BAZ-14 zone e sgpt 2	0.013	0.021	0.011	0.015	0.069	0.789
19-BAZ-14 zone d sgpt 1	0.013	0.021	0.011	0.015	0.069	0.821
19-BAZ-14 zone d sgpt 2	0.013	0.021	0.011	0.015	0.069	0.910
19-BAZ-14 zone b-1	0.013	0.021	0.011	0.015	0.068	1.204
19-BAZ-14 zone b-1	0.013	0.021	0.011	0.015	0.068	1.309
19-BAZ-14 zone b-1	0.013	0.021	0.011	0.015	0.068	1.317
19-BAZ-14 zone b-1	0.013	0.021	0.011	0.015	0.068	1.267
19-BAZ-14 zone b-1	0.013	0.021	0.011	0.015	0.068	1.117
19-BAZ-14 zone b-1	0.013	0.021	0.011	0.015	0.068	1.197
19-BAZ-14 zone b-1	0.013	0.021	0.011	0.015	0.068	1.188
19-BAZ-14 zone b-1	0.013	0.021	0.011	0.015	0.068	1.025
19-BAZ-14 zone b-1	0.013	0.022	0.011	0.015	0.068	1.186
19-BAZ-14 zone b-1	0.013	0.021	0.011	0.015	0.069	1.090
19-BAZ-14 zone b-1	0.013	0.021	0.011	0.015	0.068	1.162
19-BAZ-14 zone b-1	0.013	0.021	0.011	0.015	0.069	1.070
19-BAZ-14 zone b-1	0.013	0.021	0.011	0.015	0.068	1.124
19-BAZ-14 zone b-1	0.013	0.021	0.011	0.015	0.068	1.171
19-BAZ-14 zone b-1	0.013	0.021	0.011	0.015	0.069	1.045
19-BAZ-14 zone b-1	0.013	0.021	0.011	0.015	0.068	1.221
19-BAZ-14 zone b-1	0.013	0.021	0.011	0.015	0.068	1.204
19-BAZ-14 zone b-1	0.013	0.022	0.011	0.015	0.068	1.212
19-BAZ-14 zone b-1	0.013	0.021	0.011	0.015	0.068	1.217
19-BAZ-14 zone b-1	0.013	0.021	0.011	0.015	0.068	1.254
19-BAZ-14 zone e-1	0.013	0.021	0.011	0.015	0.068	1.179
19-BAZ-14 zone e-1	0.013	0.021	0.011	0.015	0.069	0.827
19-BAZ-14 zone e-1	0.012	0.021	0.011	0.015	0.069	0.824
19-BAZ-14 zone e-1	0.013	0.021	0.011	0.015	0.069	0.808
19-BAZ-14 zone e-1	0.013	0.021	0.011	0.015	0.069	0.868
19-BAZ-14 zone e-1	0.013	0.021	0.011	0.015	0.069	0.828
19-BAZ-14 zone e-1	0.013	0.021	0.011	0.015	0.069	0.962
19-BAZ-14 zone e-1	0.013	0.022	0.011	0.015	0.069	1.057
19-BAZ-14 zone e-1	0.013	0.021	0.011	0.015	0.069	0.992
19-BAZ-14 zone e-1	0.013	0.021	0.011	0.015	0.069	0.993
19-BAZ-14 zone e-1	0.013	0.021	0.011	0.015	0.069	1.048
19-BAZ-14 zone e-1	0.013	0.021	0.011	0.015	0.069	1.026
19-BAZ-14 zone e-1	0.013	0.021	0.011	0.015	0.069	1.027
19-BAZ-14 zone e-1	0.013	0.021	0.011	0.015	0.069	1.095
19-BAZ-14 zone e-1	0.013	0.021	0.011	0.015	0.069	1.028
19-BAZ-14 zone d-1	0.013	0.021	0.011	0.015	0.069	0.792
19-BAZ-14 zone d-1	0.013	0.021	0.011	0.015	0.069	0.761
19-BAZ-14 zone d-1	0.013	0.021	0.011	0.015	0.069	0.823
19-BAZ-14 zone d-1	0.013	0.021	0.011	0.015	0.069	0.784
19-BAZ-14 zone d-1	0.013	0.021	0.011	0.015	0.069	0.788

19-BAZ-14	zone d-1	0.013	0.021	0.011	0.015	0.069	0.845
19-BAZ-14	zone d-1	0.013	0.021	0.011	0.015	0.069	0.779
19-BAZ-14	zone d-1	0.013	0.021	0.011	0.015	0.069	0.805
19-BAZ-14	zone d-1	0.013	0.021	0.011	0.015	0.069	0.849
19-BAZ-14	zone d-1	0.013	0.021	0.011	0.015	0.069	0.859
19-BAZ-14	zone d-1	0.013	0.021	0.011	0.015	0.069	0.860
19-BAZ-14	zone d-1	0.013	0.021	0.011	0.015	0.069	0.807
19-BAZ-14	zone d-1	0.013	0.022	0.011	0.015	0.069	0.813
19-BAZ-14	zone d-1	0.013	0.021	0.011	0.015	0.069	0.812
19-BAZ-14	zone d-1	0.013	0.021	0.011	0.015	0.069	0.847
19-BAZ-14	zone d-1	0.013	0.021	0.011	0.015	0.069	0.806
19-BAZ-14	zone d-1	0.013	0.021	0.011	0.015	0.069	0.858
19-BAZ-14	zone d-1	0.013	0.021	0.011	0.015	0.069	0.996
19-BAZ-14	zone d-1	0.013	0.021	0.011	0.015	0.069	1.009
19-BAZ-14	zone d-1	0.013	0.021	0.011	0.015	0.069	1.014
19-BAZ-14	zone d-1	0.013	0.021	0.011	0.015	0.069	0.968
19-BAZ-14	zone d-1	0.013	0.021	0.011	0.015	0.069	1.031
19-BAZ-14	zone d-1	0.013	0.021	0.011	0.015	0.069	1.004
19-BAZ-14	zone d-1	0.013	0.021	0.011	0.015	0.069	1.064
19-BAZ-14	zone d-1	0.013	0.021	0.011	0.015	0.069	0.803
19-BAZ-14	zone d-1	0.013	0.021	0.011	0.015	0.069	0.993
19-BAZ-14	zone d-1	0.013	0.022	0.011	0.015	0.069	0.784
19-BAZ-14	zone d-1	0.013	0.021	0.011	0.015	0.069	0.797
19-BAZ-14	zone d-1	0.013	0.021	0.011	0.015	0.069	0.760
19-BAZ-14	zone d-1	0.013	0.021	0.011	0.015	0.069	0.724
	average						
	standard deviation						
	safflorite						

SAMPLE	Cu %ERR	Co %ERR	Fe %ERR	Ni %ERR
SKUTTERUDITE				
19-BAZ-18-zone_a	120.428	0.249	0.438	107.705
19-BAZ-18-zone_a	92.640	0.250	0.436	-147.960
19-BAZ-18-zone_a	-148.400	0.257	0.229	31.627
19-BAZ-18-zone_a	-182.450	0.252	0.244	29.569
19-BAZ-18-zone_a	-484.390	0.247	0.259	39.467
19-BAZ-18-zone_a	91.741	0.251	0.247	71.173
19-BAZ-18-zone_a	63.187	0.248	0.253	106.339
19-BAZ-18-zone_a	75.059	0.245	0.263	61.753
19-BAZ-18-zone_a	185.089	0.248	0.253	25.360
19-BAZ-18-zone_a	-139.220	0.243	0.272	26.630
19-BAZ-18-zone_a	140.385	0.246	0.260	35.577
19-BAZ-18-zone_b	178.679	0.246	0.273	26.872
19-BAZ-18-zone_b	-881.600	0.254	0.237	28.620
19-BAZ-18-zone_b	223.024	0.250	0.249	37.661
19-BAZ-18-zone_b	-376.130	0.251	0.247	34.823
19-BAZ-18-zone_b	71.128	0.249	0.255	24.464
19-BAZ-18-zone_b	-163.100	0.248	0.256	79.867
19-BAZ-18-zone_b	-71.062	0.250	0.248	38.486
19-BAZ-18-zone_b	42.501	0.246	0.261	40.339
19-BAZ-18-zone_b	308.187	0.246	0.261	37.129
19-BAZ-18-zone_b	44.213	0.246	0.261	36.147
19-BAZ-18-zone_c	-659.580	0.258	0.229	31.435
19-BAZ-18-zone_c	-726.870	0.262	0.222	32.880
19-BAZ-18-zone_c	-101.190	0.252	0.241	71.826
19-BAZ-18-zone_c	348.573	0.261	0.220	33.164
19-BAZ-18-zone_c	82.836	0.259	0.224	61.792
19-BAZ-18-zone_c	98.046	0.256	0.232	30.270
19-BAZ-18-zone_c	-56.340	0.258	0.230	76.662
19-BAZ-18-zone_d	30.816	0.250	0.241	85.790
19-BAZ-18-zone_d	150.960	0.245	0.253	26.470
19-BAZ-18-zone_d	34.096	0.259	0.222	20.136
19-BAZ-18-zone_d	76.813	0.254	0.232	35.353
19-BAZ-18-zone_d	62.841	0.254	0.235	26.533
19-BAZ-18-zone_d	41.111	0.253	0.236	23.449
19-BAZ-18-zone_d	70.048	0.253	0.240	25.443
19-BAZ-18-zone_d	56.341	0.251	0.246	6.371
19-BAZ-18-zone_d	53.008	0.248	0.251	36.216
19-BAZ-18-zone_d	108.288	0.250	0.246	11.594
19-BAZ-18-zone_d	55.359	0.249	0.252	3.285
19-BAZ-18-zone_e	131.634	0.251	0.244	14.828
19-BAZ-18-zone_e	451.857	0.248	0.250	14.517
19-BAZ-18-zone_e	-425.980	0.250	0.246	10.328
19-BAZ-18-zone_e	94.266	0.250	0.246	5.208
19-BAZ-18-zone_e	274.698	0.246	0.259	3.364
19-BAZ-18-zone_e	81.519	0.250	0.251	2.523
19-BAZ-18-zone_e	211.503	0.244	0.263	4.558
19-BAZ-18-zone_e	84.639	0.249	0.251	10.116
19-BAZ-18-zone_e	45.094	0.251	0.246	11.260
19-BAZ-18-zone_f	35.451	0.245	0.263	22.468
19-BAZ-18-zone_f	86.302	0.252	0.245	7.799
19-BAZ-18-zone_f	109.563	0.249	0.249	9.934
19-BAZ-18-zone_f	179.164	0.252	0.243	19.317
19-BAZ-18-zone_f	69.518	0.251	0.249	16.186
19-BAZ-18-zone_f	-184.280	0.253	0.240	13.672
19-BAZ-18-zone_f	58.746	0.250	0.250	12.010
19-BAZ-18-zone_f	-228.790	0.252	0.244	9.707
19-BAZ-18-zone_f	48.740	0.251	0.245	4.545
19-BAZ-18-zone_f	62.337	0.250	0.252	2.849

19-BAZ-18-zone_f	-335.260	0.253	0.247	1.977
19-BAZ-18-zone_f	94.525	0.249	0.253	1.867
19-BAZ-18-zone_f	53.225	0.245	0.267	2.106
19-BAZ-18-zone_f	186.706	0.249	0.254	3.443
19-BAZ-18-zone_f	55.069	0.250	0.252	6.296
19-BAZ-18-zone_f	60.454	0.245	0.265	5.000
19-BAZ-18-zone_f	42.029	0.247	0.261	7.404
19-BAZ-18-zone_f	89.903	0.246	0.262	5.918
19-BAZ-18-zone_f	72.152	0.247	0.258	6.028
19-BAZ-18-zone_f	72.041	0.248	0.256	5.117
average				
standard deviation				

NICKELINE				
BAZ-04- zone A nicksingle01	-11.054	11.874	66.945	0.098
19-BAZ-04-zone a-1	-15.370	18.165	1685.710	0.098
19-BAZ-04-zone a-1	-15.103	11.092	-94.324	0.098
19-BAZ-04-zone a-1	-15.573	15.840	614.705	0.098
19-BAZ-04-zone a-1	-13.544	12.505	364.077	0.098
19-BAZ-04-zone a-1	-11.460	10.862	47.393	0.098
19-BAZ-04-zone a-1	-14.755	11.037	83.087	0.098
19-BAZ-04-zone a-1	-11.604	13.560	748.742	0.098
19-BAZ-04-zone a-1	-13.880	15.175	57.530	0.098
19-BAZ-04-zone a-1	-10.187	12.258	-236.420	0.098
19-BAZ-04-zone a-1	-10.625	12.270	47.415	0.098
19-BAZ-04-zone a-1	-13.647	11.193	-708.850	0.098
19-BAZ-04-zone a-1	-10.527	11.973	123.934	0.098
19-BAZ-04-zone a-1	-12.318	17.551	234.981	0.098
19-BAZ-04-zone a-1	-14.638	10.890	-273.120	0.098
19-BAZ-04-zone a-1	-14.423	13.587	-113.520	0.098
19-BAZ-04-zone a-1	-16.130	13.497	-157.900	0.098
19-BAZ-04-zone a-1	-13.602	13.350	37.519	0.098
19-BAZ-04-zone a-1	-11.420	12.210	86.497	0.098
19-BAZ-04-zone a-1	-13.924	10.951	169.714	0.098
19-BAZ-04-zone a-1	-13.871	12.309	-746.220	0.098
19-BAZ-04-zone b-1	-12.722	15.551	1031.100	0.098
19-BAZ-04-zone b-1	-10.799	18.677	-273.020	0.098
19-BAZ-04-zone b-1	-13.009	12.529	73.205	0.098
19-BAZ-04-zone b-1	-11.292	16.149	98.527	0.098
19-BAZ-04-zone b-1	-14.112	18.155	259.323	0.098
19-BAZ-04-zone b-1	-11.108	20.065	-586.880	0.098
19-BAZ-04-zone b-1	-10.644	12.628	121.514	0.098
19-BAZ-04-zone b-1	-15.857	13.945	-128.650	0.098
19-BAZ-04-zone b-1	-11.337	18.584	52.982	0.098
19-BAZ-04-zone b-1	-11.676	12.643	94.037	0.098
19-BAZ-04-zone b-1	-11.668	13.513	127.382	0.098
19-BAZ-04-zone b-1	-15.507	13.807	150.532	0.098
19-BAZ-04-zone b-1	-9.801	10.131	59.028	0.098
19-BAZ-04-zone b-1	-13.177	11.748	49.089	0.098
19-BAZ-04-zone b-1	-11.149	11.141	111.072	0.098
19-BAZ-04-zone b-1	-15.003	13.606	79.151	0.098
19-BAZ-04-zone b-1	-12.101	13.664	271.605	0.098
19-BAZ-04-zone b-1	-12.007	15.321	-1492.100	0.098
19-BAZ-04-zone b-1	-12.769	12.301	90.759	0.098
19-BAZ-04-zone b-1	-12.577	11.245	150.368	0.098
19-BAZ-04-zone b-2	-14.183	15.649	361.909	0.098
19-BAZ-04-zone b-2	-15.384	14.345	60.215	0.098
19-BAZ-04-zone b-2	-13.133	13.635	81.564	0.098
19-BAZ-04-zone b-2	-13.445	12.814	445.835	0.098
19-BAZ-04-zone b-2	-10.878	12.783	-87.437	0.098
19-BAZ-04-zone b-2	-11.661	14.970	86.567	0.098

19-BAZ-04-zone b-2	-15.738	12.720	133.407	0.098
19-BAZ-04-zone b-2	-12.118	11.060	73.758	0.098
19-BAZ-04-zone b-2	-10.027	16.746	-222.490	0.098
19-BAZ-04-zone b-2	-12.202	14.471	64.550	0.098
19-BAZ-04-zone b-2	-12.110	13.891	394.615	0.098
19-BAZ-04-zone b-2	-20.074	12.857	-293.430	0.098
19-BAZ-04-zone b-2	-11.748	14.765	162.179	0.098
19-BAZ-04-zone b-2	-13.371	20.008	-83.150	0.098
19-BAZ-04-zone b-2	-19.621	12.999	-99.827	0.098
average				
standard deviation				

RAMMELSBERGITE				
19-BAZ-04-zone a-2	-25.516	0.820	8.145	0.126
19-BAZ-04-zone a-2	-16.260	0.811	8.924	0.126
19-BAZ-04-zone a-2	-44.259	0.883	9.431	0.125
19-BAZ-04-zone a-2	-19.554	0.879	9.034	0.125
19-BAZ-04-zone a-2	-20.011	0.827	12.126	0.126
19-BAZ-04-zone a-2	-22.991	0.790	10.280	0.126
19-BAZ-04-zone a-2	-22.955	0.826	9.339	0.126
19-BAZ-04-zone a-2	-18.976	0.724	14.113	0.127
19-BAZ-04-zone a-2	-20.523	0.721	16.527	0.127
19-BAZ-04-zone a-2	-22.231	0.847	8.012	0.126
19-BAZ-04-zone a-3	-22.185	0.608	19.483	0.130
19-BAZ-04-zone a-3	-21.529	0.531	9.698	0.134
19-BAZ-04-zone a-3	-34.730	0.530	10.458	0.133
19-BAZ-04-zone a-3	-19.926	0.581	13.086	0.131
19-BAZ-04-zone a-3	-16.851	0.580	11.879	0.131
19-BAZ-04-zone a-3	-20.740	0.662	10.902	0.129
19-BAZ-04-zone a-3	-45.133	0.664	9.942	0.129
19-BAZ-04-zone a-3	-26.903	0.497	8.226	0.136
19-BAZ-04-zone a-3	-31.700	0.635	10.237	0.130
19-BAZ-04-zone a-3	-43.763	0.422	5.876	0.141
19-BAZ-04-zone c-1	-23.510	0.730	12.866	0.126
19-BAZ-04-zone c-1	-20.713	0.751	13.673	0.126
19-BAZ-04-zone c-1	-19.106	0.893	8.999	0.124
19-BAZ-04-zone c-1	-23.799	0.851	8.999	0.125
19-BAZ-04-zone c-1	-21.050	0.838	10.713	0.125
19-BAZ-04-zone c-1	-17.574	0.879	10.909	0.124
19-BAZ-04-zone c-1	-24.516	0.620	9.460	0.129
19-BAZ-04-zone c-1	-21.004	0.664	13.210	0.127
19-BAZ-04-zone c-2	-23.039	0.519	9.349	0.132
19-BAZ-04-zone c-2	-23.977	0.475	7.827	0.135
19-BAZ-04-zone c-2	-26.124	0.578	7.542	0.130
19-BAZ-04-zone c-2	-39.418	0.577	8.063	0.130
19-BAZ-04-zone c-2	-17.081	0.596	9.323	0.130
19-BAZ-04-zone c-2	-15.575	0.919	17.194	0.124
19-BAZ-04-zone c-2	-24.053	1.160	11.360	0.123
19-BAZ-04-zone d-1	-20.098	0.807	10.109	0.124
19-BAZ-04-zone d-1	-16.489	1.210	8.666	0.123
19-BAZ-04-zone d-1	-18.526	1.155	8.116	0.123
19-BAZ-04-zone d-1	-20.506	1.268	10.319	0.122
19-BAZ-04-zone d-1	-15.114	1.010	9.470	0.123
19-BAZ-04-zone d-1	-22.508	0.808	9.101	0.125
19-BAZ-04-zone d-1	-20.879	0.724	12.925	0.126
19-BAZ-04-zone d-1	-19.188	0.971	10.489	0.124
19-BAZ-04-zone d-1	-16.229	0.873	13.228	0.124
19-BAZ-04-zone d-1	-21.833	0.758	15.340	0.125
19-BAZ-04-zone d-1	-19.618	1.089	11.951	0.124
19-BAZ-04-zone d-2	-12.846	0.936	9.408	0.123
19-BAZ-04-zone d-2	-17.226	0.909	7.000	0.123

19-BAZ-04-zone d-2	-17.913	0.872	7.673	0.124
19-BAZ-04-zone d-2	-19.402	0.880	8.212	0.124
19-BAZ-04-zone d-2	-23.187	0.867	7.912	0.124
19-BAZ-04-zone d-2	-16.554	0.882	7.511	0.124
19-BAZ-04-zone d-2	-40.977	0.875	7.553	0.124
19-BAZ-04-zone d-2	-20.306	0.868	9.112	0.124
19-BAZ-04-zone d-2	-17.508	0.866	7.660	0.124
average				
standard deviation				
rammelsbergite				

SAFFLORITE				
19-BAZ-14 zone-b 1	605.506	0.297	0.467	0.399
19-BAZ-14 zone-b 2	-1032.300	0.298	0.438	0.406
19-BAZ-14 zone-b 3	24.479	0.299	0.366	0.491
19-BAZ-14 other zone 1	26.203	0.276	0.511	0.660
19-BAZ-14 other zone 2	108.221	0.279	0.406	0.981
19-BAZ-14 zone e sgpt 1	202.210	0.285	0.540	0.481
19-BAZ-14 zone e sgpt 2	73.069	0.265	0.734	1.032
19-BAZ-14 zone d sgpt 1	62.292	0.275	0.783	0.506
19-BAZ-14 zone d sgpt 2	9.972	0.280	0.655	0.474
19-BAZ-14 zone b-1	54.525	0.291	0.534	0.413
19-BAZ-14 zone b-1	190.772	0.295	0.469	0.410
19-BAZ-14 zone b-1	55.281	0.297	0.384	0.486
19-BAZ-14 zone b-1	-321.540	0.298	0.370	0.496
19-BAZ-14 zone b-1	118.917	0.289	0.408	0.566
19-BAZ-14 zone b-1	-80.804	0.289	0.389	0.581
19-BAZ-14 zone b-1	26.170	0.291	0.364	0.628
19-BAZ-14 zone b-1	117.583	0.286	0.373	0.758
19-BAZ-14 zone b-1	429.244	0.290	0.366	0.654
19-BAZ-14 zone b-1	2.647	0.288	0.368	0.696
19-BAZ-14 zone b-1	25.712	0.292	0.363	0.593
19-BAZ-14 zone b-1	38.415	0.291	0.378	0.565
19-BAZ-14 zone b-1	9.068	0.295	0.371	0.513
19-BAZ-14 zone b-1	43.728	0.300	0.368	0.457
19-BAZ-14 zone b-1	7.693	0.294	0.415	0.461
19-BAZ-14 zone b-1	27.062	0.303	0.373	0.420
19-BAZ-14 zone b-1	292.602	0.304	0.385	0.402
19-BAZ-14 zone b-1	14.595	0.311	0.389	0.372
19-BAZ-14 zone b-1	55.378	0.307	0.389	0.373
19-BAZ-14 zone b-1	-40.115	0.311	0.388	0.363
19-BAZ-14 zone e-1	6896.360	0.283	0.541	0.485
19-BAZ-14 zone e-1	32.028	0.271	0.467	1.291
19-BAZ-14 zone e-1	9.505	0.271	0.524	0.982
19-BAZ-14 zone e-1	20.912	0.270	0.553	0.810
19-BAZ-14 zone e-1	34.420	0.277	0.510	0.630
19-BAZ-14 zone e-1	21.339	0.271	0.626	0.691
19-BAZ-14 zone e-1	19.262	0.287	0.511	0.454
19-BAZ-14 zone e-1	18.806	0.293	0.496	0.402
19-BAZ-14 zone e-1	-71.160	0.285	0.530	0.457
19-BAZ-14 zone e-1	-152.460	0.283	0.488	0.511
19-BAZ-14 zone e-1	322.180	0.286	0.476	0.485
19-BAZ-14 zone e-1	-139.930	0.288	0.497	0.447
19-BAZ-14 zone e-1	-92.430	0.287	0.529	0.440
19-BAZ-14 zone e-1	46.955	0.289	0.514	0.420
19-BAZ-14 zone e-1	23.398	0.286	0.602	0.420
19-BAZ-14 zone d-1	17.064	0.270	0.791	0.586
19-BAZ-14 zone d-1	-150.010	0.270	0.756	0.677
19-BAZ-14 zone d-1	18.447	0.272	0.691	0.599
19-BAZ-14 zone d-1	34.524	0.271	0.729	0.591
19-BAZ-14 zone d-1	19.558	0.272	0.716	0.582

19-BAZ-14	zone d-1	31.647	0.278	0.644	0.497
19-BAZ-14	zone d-1	52.430	0.271	0.761	0.579
19-BAZ-14	zone d-1	55.818	0.274	0.722	0.533
19-BAZ-14	zone d-1	49.341	0.280	0.637	0.474
19-BAZ-14	zone d-1	37.503	0.278	0.684	0.482
19-BAZ-14	zone d-1	85.061	0.281	0.630	0.466
19-BAZ-14	zone d-1	321.149	0.274	0.748	0.529
19-BAZ-14	zone d-1	15.906	0.274	0.756	0.518
19-BAZ-14	zone d-1	50.164	0.273	0.769	0.526
19-BAZ-14	zone d-1	-185.820	0.277	0.688	0.483
19-BAZ-14	zone d-1	176.147	0.273	0.779	0.532
19-BAZ-14	zone d-1	62.667	0.279	0.722	0.450
19-BAZ-14	zone d-1	258.166	0.294	0.534	0.381
19-BAZ-14	zone d-1	114.974	0.293	0.480	0.403
19-BAZ-14	zone d-1	738.644	0.295	0.476	0.400
19-BAZ-14	zone d-1	-308.120	0.292	0.490	0.416
19-BAZ-14	zone d-1	-118.850	0.297	0.444	0.400
19-BAZ-14	zone d-1	-859.190	0.293	0.473	0.411
19-BAZ-14	zone d-1	180.577	0.297	0.440	0.405
19-BAZ-14	zone d-1	53.876	0.274	0.769	0.529
19-BAZ-14	zone d-1	9.243	0.294	0.473	0.409
19-BAZ-14	zone d-1	163.105	0.270	0.771	0.579
19-BAZ-14	zone d-1	207.636	0.275	0.676	0.541
19-BAZ-14	zone d-1	30.536	0.268	0.729	0.748
19-BAZ-14	zone d-1	135.489	0.261	0.617	6.450
	average				
	standard deviation				
	safflorite				