

Table 21.--Chemical and semiquantitative spectrographic analyses of copper deposits in the Klondike district. [Only elements that should be expected to show, significant variations are included. Analyses in percent.

Explanation of symbols: D, looked for but not detected; -, not looked for; M, major constituent, greater than 10 percent < number, concentration below number shown (standard sensitivities do not apply at such low concentrations).

Deposit	Ag	As	B	Ba	Bi	Ca	Co	Cr	Cu	Fe	In	K	Mg	Mn	Na	Ni	Pb	Se ³	Sr	eU ⁴	U ⁵	V	W	Y	Zn ⁶	
Sulfide deposits																										
244	0.007	0.0013	0	0.007	00	3.	0	0.0003	0.15	0.15	0	0	0.15	0.15	0.15	0.0007	0	0.0001	0.003	0.019	0.021	0.3	0	0.0015	0.0038	
245	0.003	-	0.0015	.07	0	M	0.0003	.003	1.5	.3	0	1.5	.7	.15	0	.7	.0007	Tr.	-	.015	.013	-	.3	0	0.0015	-
246	.0007	.0010	0	.03	0	M	0	.0015	1.5	.3	0	.7	.3	.15	0	.15	0	0.007	.0004	.3	.036	.040	.15	0	.0015	.015
247(1)	.003	-	0	.3	0	M	0	.03	1.5	.3	0	1.5	.7	1.5	< .003	.3	.0003	Tr.	-	M	.001	-	.7	0	.0015	-
247(2)	.0015	.0047	0	.15	0	M	0	.015	1.5	.15	0	.7	.3	.7	0	.15	.0003	0	.0001	7.0	< .001	.0009	.3	0	0	.010
438	.00015	.0340	0	.03	0	7.0	.003	.0015	7.0	1.5	0	3.0	0.15	.07	.0015	.7	.0015	.015	.0225	.07	.002	.0009	.03	0	.0015	.0057
447	.007	.0007	.003	.15	0	1.5	.0007	.0015	7.0	.7	0	1.5	.3	.15	0	.7	.0015	.3	.0325	.7	.002	.001	.07	0	.0015	.0025
449	.003	.0003	.003	.03	0	3.0	.0007	.0015	3.0	.3	0	3.0	.7	.07	0	.7	.0015	.0015	.0200	.015	.006	.006	.3	0	.0015	.010
Malachite deposits																										
386	0.0015	0.0001	0.007	0.03	0	7.	0	0.0007	1.5	0.15	0	1.5	0.15	.15	0	0.3	0.0003	0.003	0.0001	0.015	0.001	0.0007	0.0015	0	0.0015	0.004
410	.0003	.0085	0	.03	0	M	0	.0007	0.7	.15	0	1.5	0.15	.3	0	.3	0	0	<.00005	.7	<.001	.0003	.015	0	0	.006
411	.003	.0029	0	.15	0	7.	0	.0007	.07	.15	0	3.0	.15	.15	0	.7	.0003	0	.00005	.03	.003	.0025	.3	0	.0015	.006
412	.003	.0019	0	.7	0	M	0	.0015	.07	.07	0	1.5	.15	.7	0	.7	.0003	.003	<.00005	.03	<.001	.0002	.015	0	.003	.006
428	.015	.0016	0	.015	0	.7	.0007	.00015	3.0	.3	0	.7	.15	.03	.0015	.15	0	.03	.0025	.003	.003	.0013	.07	0	0	.002
429	.015	.0004	0	.015	0	3	.0007	.0003	7.0	.15	0	.7	.15	.07	.007	.3	0	.003	.0028	.007	.002	.0015	.007	0	0	.001
439	0	.0076	0	.015	0	.7	0	.003	1.5	.3	0	1.5	.07	.007	.15	0	0	.0003	.0015	.002	.0002	.0015	0	0	.015	
441	0	.0018	0	.015	0	M	0	.0007	.7	.07	0	.7	.07	.3	0	.3	0	0	.0001	.015	.001	.0005	.003	0	.0015	.0028
448	.003	.0002	0	.015	0	.7	0	.0003	1.5	.07	0	0	.15	.07	.15	0	.0015	.0012	.015	.001	.0007	.003	0	0	.0028	
452	.0003	.0004	.003	.07	0	1.5	0	.15	1.5	.7	0	1.5	.3	.07	.07	0	0	.0001	.003	<.001	.0006	.003	0	0	.0010	
Calcite veins																										
444	0	.0003	0	.007	00	M	0	.003	.003	.15	0	0	.3	.3	0	.3	0	.007	.0001	.03	<.001	.0004	.007	0	.0015	.0009
451	0	.0001	0	.007	0	M	0	.0003	.003	.3	0	0	.07	.07	0	0	0	0	.0001	.03	<.001	<.0001	.003	0	.0015	<.0005
Type uncertain																										
382	.0003	.0007	.007	.03	0	7.	0	.003	7.	.15	0	3	.3	.15	0	.7	.0007	.003	.0004	.015	.002	<.0001	.03	0	.0015	.011
443	0	.0006	.003	.03	0	1.5	0	.07	.003	.3	0	1.5	.3	.03	0	.3	0	0	.00005	.003	.002	.0002	.03	0	0	.0022

1. Semiquantitative spectrographic analyses by R. S. Evans and J. C. Hamilton.
2. As analyzed by: D. L. Ferguson and Claude Huffman.
3. Se analyzed by G. T. Burrow.
4. eU analyzed by G. G. Angelo, W. W. Niles, and G. S. Erickson.
5. U analyzed by: E. J. Fennelly and D. L. Ferguson.
6. Zn analyzed by Claude Huffman, H. H. Lipp, D. L. Ferguson, and G. T. Burrow.