

Table 19.--Chemical and semiquantitative spectrographic analyses of manganese deposit, Klondike district. Only elements that show, or might be expected to show, significant variations are included. Analyses in percent. 60-145

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

Deposit	Ag ³	B	Ba	Ca	Co	Cr	Cu	Fe	In	Bi	K	Mg	Mn	Mo	Na	Ni	Pb	Sr	V	W	As ⁴	Se ⁵	eU ⁶	U ⁷	Zn ⁸	
1																										
3	0.0005	O	0.7	M	0.0007	0.03	0.05	3.0	O	O	O	0.5	5.0	O	0.07	O	0.07	3.	0.007	O	0.005	O	-	-	0.3	O
328	O	0.007	.15	0.3	O	.0015	.007	.7	O	O	0.7	.15	.15	O	.7	.0007	.003	.15	.003	O	.0015	0.0012	0.00005	.001	.0001	.007
388	O	.03	.03	.15	O	.0015	.03	M	O	O	1.5	.07	.15	0.003	.3	.0007	.07	.07	.015	O	.0015	.0028	.0001	.002	.0005	.004
389	O	.003	.7	M	.0015	.003	.07	1.5	O	O	.7	.07	7.0	.003	.3	.0003	.15	7.0	.015	O	.003	.0025	.0001	.001	.0006	.004
405	O	O	.7	.7	.0015	.003	.15	.3	O	O	.7	.07	M	.015	.7	.0007	.07	3.0	.03	O	.0015	.0018	.0001	.003	.0024	.004
406	O	.003	.3	.3	.003	.0015	.15	.7	O	O	1.5	.07	M	.007	.3	.0015	.15	1.5	0.015	O	.0015	.0021	.00005	.002	.0008	.004
408	O	O	.7	7.0	.0015	.007	.15	.15	O	O	.7	.07	M	.003	.3	.0007	.03	.7	.007	O	.0015	.0027	.00005	.001	.0009	.003
421	O	.003	.15	M	O	.0007	.015	.3	O	O	1.5	.15	.7	O	.3	O	.015	.03	.0015	O	.0015	.0007	.00005	.001	.0001	.005
422	O	.015	1.5	M	.003	.0007	.3	1.5	O	O	1.5	.7	7.0	.003	.3	O	.03	3.0	.015	O	.0015	.0083	.0005	.001	.0004	.005
426	O	O	1.5	M	.0007	.003	.07	7.0	O	O	.7	.3	1.5	.003	.07	.0007	.03	M	.015	O	.003	.0107	.00005	<.001	.0005	.005
427	O	O	.03	M	.0007	.0015	.03	M	O	O	3.0	.3	.3	.03	.7	.0015	.007	.07	.07	O	.003	.0205	.0022	.004	.0040	.009
442	O	O	1.5	M	.003	.003	.3	.3	O	O	.7	.3	7.0	O	.15	O	.15	.3	.03	O	.0015	.0024	<.00005	.002	.0005	.018
445	O	O	7.	7.	.003	.0015	.3	.7	O	O	1.5	.3	M	.003	.3	.0015	.07	.15	.015	O	O	.0360	.00005	.002	.001	.0036
446	O	O	.3	M	.0015	.0015	.015	M	O	O	3.0	.3	.7	.015	.7	.0015	.007	.3	.15	O	.003	.0076	.0012	.002	.002	.012
450	O	O	.7	M	.0015	.015	.07	1.5	O	O	O	.15	7.0	<.002	.07	O	.15	1.5	.03	O	.0015	.0045	.0001	.001	.0007	.0063

1. Sampled by E. M. Shoemaker.
2. Barren Kayenta sandstone.
3. Spectrographic analyses by J. C. Hamilton and R. G. Hamilton.
4. Analyses (colorimetric method) by Claude Huffman and D. L. Ferguson.
5. Analyses (colorimetric method) by G. T. Burrow.
6. Analyses by W. W. Niles and G. S. Erickson.
7. Analyses (fluorimetric method) by E. J. Fennelly and D. L. Ferguson.
8. Analyses (colorimetric method) by H. H. Lipp, Claude Huffman, D. L. Ferguson and G. T. Burrow.