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Table 1

## CHEMICAL ANALYSES OF GRANITES ASSOCIATED WITH WRIGGLITES

	(1) Dolcoath Granite	(2) Elizabeth Creek Granite Mt. Garnet O'land	(3) Rapakivi Granite	(4) Granite Lost River Mine Alaska	(5) Average Stanniferous Granite
SiO <sub>2</sub>	76.32	74.5%	75.6	75.73	73.12
Al <sub>2</sub> O <sub>3</sub>	12.35	13.1	14.1	13.63	14.03
TiO <sub>2</sub>	0.03	0.19	0.21	0.02	0.18
MnO	0.03	0.02	0.07	0.11	0.04
MgO	0.20	0.23	0.34	0.19	0.46
CaO	1.45	1.59	0.72	0.63	1.22
Na <sub>2</sub> O	3.16	3.40	3.42	3.47	3.47
K <sub>2</sub> O	5.00	4.80	3.94	4.70	4.43
H <sub>2</sub> O <sup>+</sup>		0.29		1.17	
H <sub>2</sub> O <sup>-</sup>		0.14			
FeO		1.33	0.99	0.56	1.19
Fe <sub>2</sub> O <sub>3</sub>	0.51	0.36	0.44	0.24	0.83
FeS <sub>2</sub>	-	-	-	-	-
P <sub>2</sub> O <sub>5</sub>	0.03	0.05	0.12	0.00	
CO <sub>2</sub>		0.12	-	0.07	
F	0.50	0.02 - 0.6	0.6	0.55	

Notes: (1) Granite from diamond drill holes ML 1 at 860 ft. Sample 42244 in Webb (1974). F analysis by fusion/specific ion electrode, Comalco Laboratory, Melbourne, of granite at 862.5 ft in ML 1.

(2) Biotite adamellite from 26 km SW of Mt. Garnet (from Blake, 1972). The F analyses are range in unweathered granite from percussion cuttings at Pinnacles area. Analyses by fusion/specific ion electrode Comalco Laboratory, Melbourne.

(3) Rapakivi Granite. Recalculated from Eskola (1963), which quotes analyses as cations % and anions per 100 cations. Composite mixture of 54 samples from Finland.

(4) Granite, Lost River Mine from mine cross cut. From Sainsbury (1964 b).

(5) Average Composition of "stanniferous" granites in Kolyma, Eastern Siberia, Ural, Altay, and non Russian occurrences. (Shcherba, 1970)