



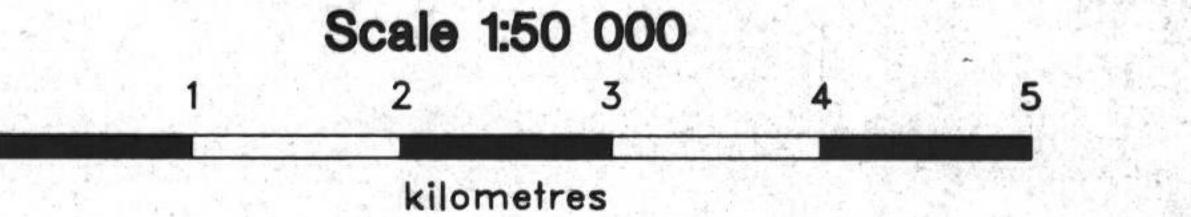
Geological Survey Branch

MINERAL POTENTIAL MAP 1992-6

METALLIC MINERAL POTENTIAL OF THE WITTSICHICA CREEK MAP AREA

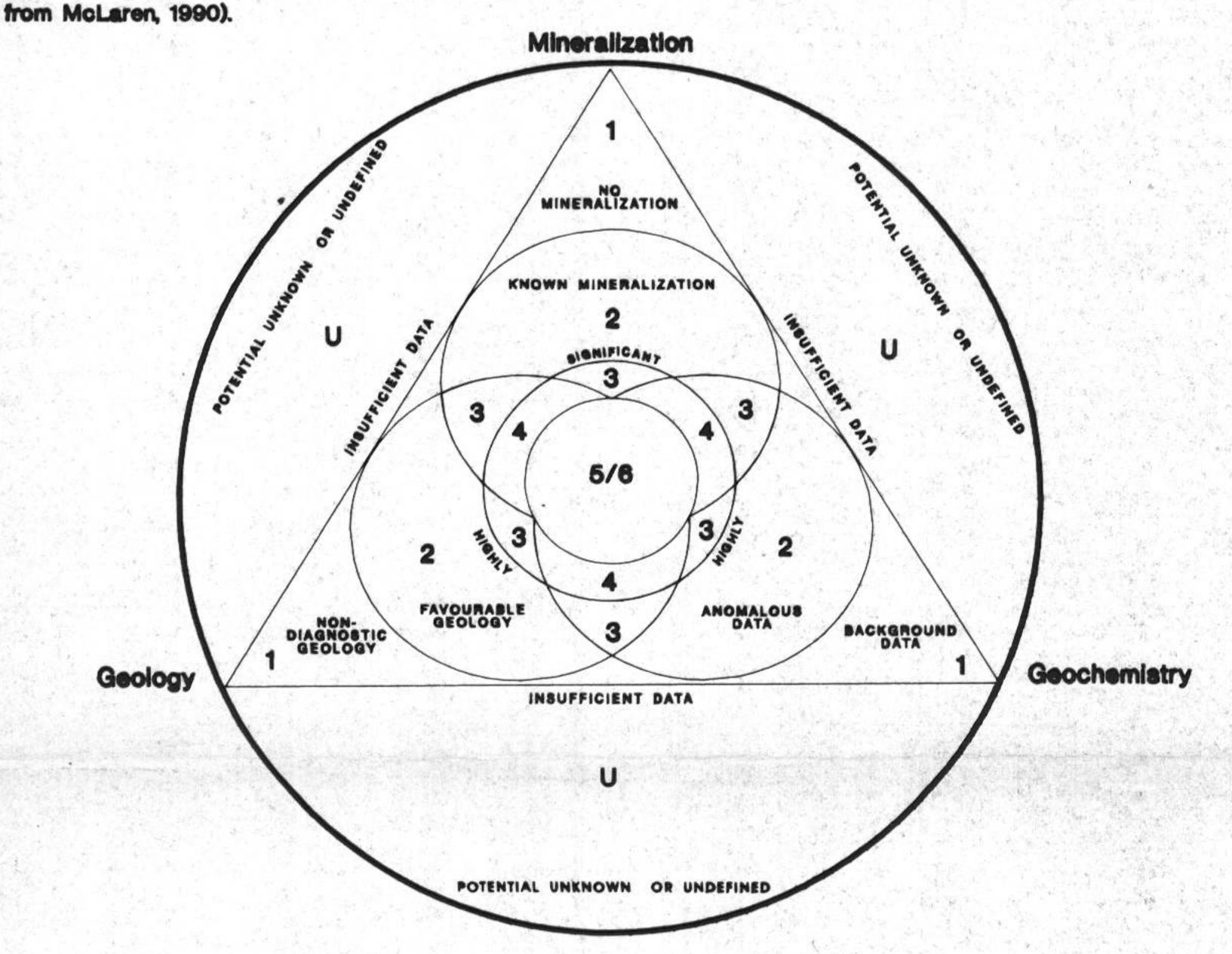
NTS 93N/1

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The Wittsichica Creek map area hosts the Mt. Milligan copper-gold alkaline porphyry deposit. The potential for future mine development of this deposit is high. The region is underlain by the Takla Group and is scattered with intrusions and other porphyry prospects. The overall mineral potential of the area is rated as moderate with zones rating from high to extremely hight.

CLASSIFICATION OF MINERAL POTENTIAL



QUALITATIVE DESCRIPTIONS OF METALLIC MINERAL POTENTIAL CLASSIFICATIONS

Class	Mineral Potential		Description		
6	Extremely High	Known deposits (developed prospects) with significant identified resources in the gr Very favourable supporting data from all applicable areas; very high degree of conf designation. Continued exploration highly probable; potential for mine developement			
5	Very High	Known prospects, developed prospects, past producing mines (with undefined resources in the ground) in highly favourable geological environment. Very good supporting data from all three criteria, high degree of confidence in designation. Future exploration expected.			
4	High	Known or indicated resources in highly favourable geological environment. Very good supporting geological and geochemical data. Resources or deposits not necessarily identified; however, positive indications that deposit forming processes were active in the area. Moderate to high degree of confidence in designation. Future exploration expected.			
3	Moderate	Favourable geologiacl environment for resource occurrence. Very favourable geological data from one or more criteria; but significant occurrences lacking. Moderate degree of confidence in designation. Future exploration likely, particularly if near an area of higher designation. Good potential for upgrading classification.			
2	Moderate	Moderately favourable environment for resource accumulation as indicated by one line of evidence (ie. favourable geology, mineralization or anomalous geochemistry with no other supporting data). Areas generally lack sufficient prospecting to identify resources. Moderate to low degree of confidence in designation. Future reconnaissance exploration to be expected. Good potential for upgrading classification.			
1	Low	Current data indicates that the existence of resources is unlikely. Moderate to high degree of confidence in designation. Future exploration for deposit types considered is unlikely.			
U	Unknown	Current data is either outdated or insufficiently detailed for a reasoned determination of mineral potential. High degree of confidence in designation. Future exploration could occur in parts of the area.			
		SYMBOLS	ANOMALOUS THRESHOLDS		

MINERAL DEPOSIT MODELS

그는 등 이 그림을 가장하는 사람들이 보고 있다면서	보고 있는데 이 아이들은 아이트를 하는데 없다.	다른 그렇게 하는 그 아니라 다른 것이 되는 것이 되었다. 그 나는 사람들은 사람들은 사람들이 살아 있다면 하는데 없다.	그렇게 가는 경기 때문에 가는 것이 가는 그리는 것이 없다.
Deposit Type	Commodities	Geological Indicators	<u>Example</u>
Alkaline Porphyries	Cu, Au	Crowded porphyritic alkaline intrusions; potassic and propylitic alteration; probable structural control.	Mt. Milligan (93N/1) 400 million tonnes 0.2% Cu, 0.48 g/t Au
Polymetallic Veins	Au, As, Sb, Pb, Zn	Quartz veins (+/-epithermal) near intrusions and faults.	Wit (93N/1) 20 million tonnes 7% Pb-Zn
Skarns	Cu, Au	Limey sediments in close proximity to alkaline intrusions; skarn alteration.	Dem Lake (93K/16)

DEFINITION OF ANOMALOUS THRESHOLDS (RGS)

McLaren, G. (1990): A Mineral Resource Assessment of the Chilko Lake Planning Area, British Columbia Ministry of Energy, Mines and Petroleum Resources, Bulletin 81.

Gold Deposit (93K/16 and 93N/1), British Columbia Ministry of Energy, Mines and Petroleum Resources, Geological Fieldwork, 1990, Paper 1991-1, pages 89-110.

Nelson, J., Bellefontaine, K., Green, K. and MacLean, M. (1991b): Geology and Mineral Potential of the Wittsichica Creek and Tezzeron Creek Map Areas (93N/1 and 93K/16), British Columbia Ministry of Energy, Mines and Petroleum Resources, Open File 1991-3.

Stanley, C. R. (1987): PROBPLOT: An Interactive Program to Fit Mixtures to Normal (and Log Normal) Distributions with Maximum Likelihood Optimitzation Procedures; Association of Exploration Geochemists, Special