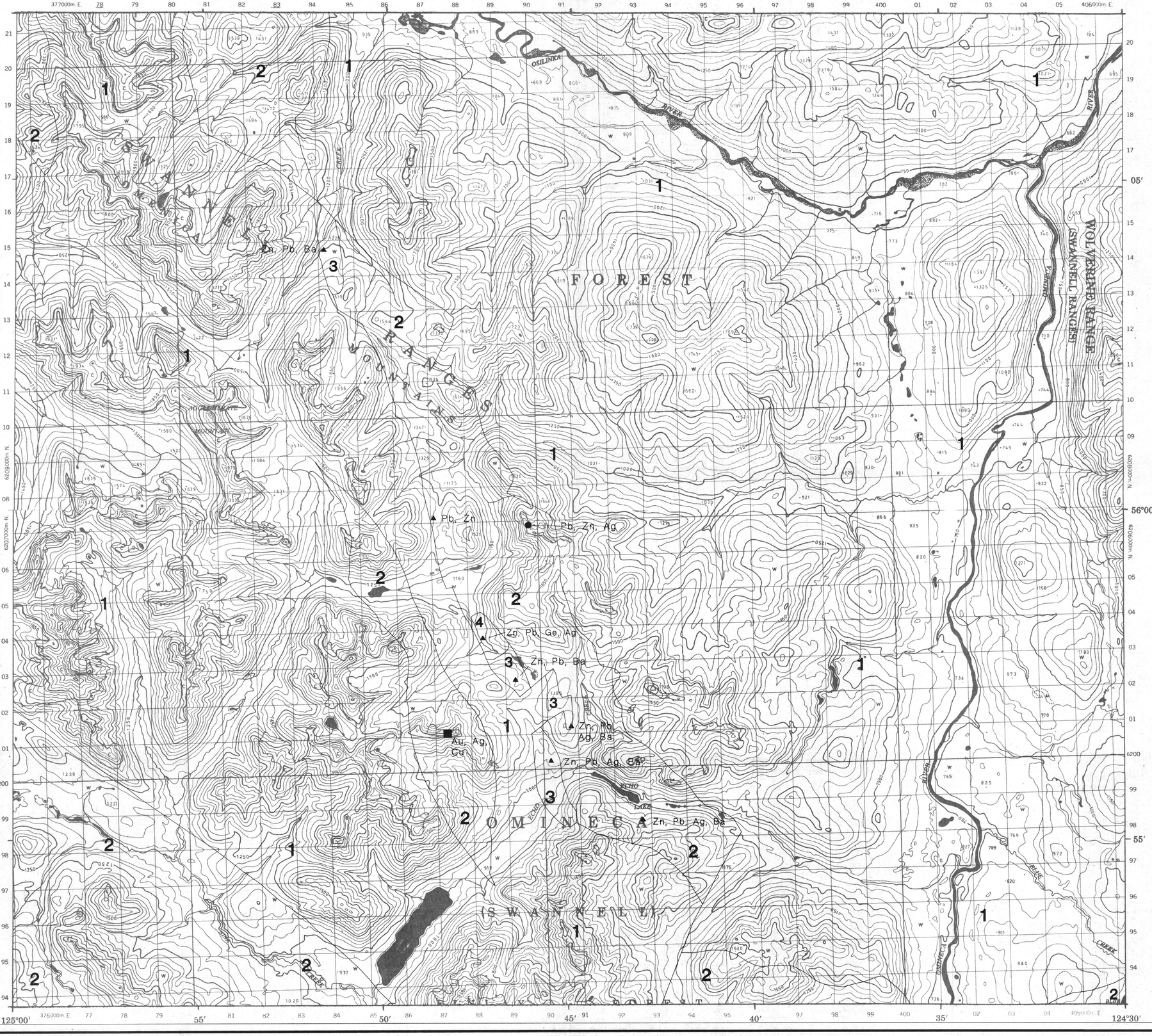


BC Ministry of Energy, Mines and Petroleum Resources

Geological Survey Branch

MINERAL POTENTIAL MAP 1992-10

MINERAL POTENTIAL BETWEEN NINA LAKE AND OSILINKA RIVER

NTS 94C/2 (South Half), 93N/15 (North Half)

BY D. M. MELVILLE AND F. FERRI

Scale 1:50 000

0 1 2 3 4 5

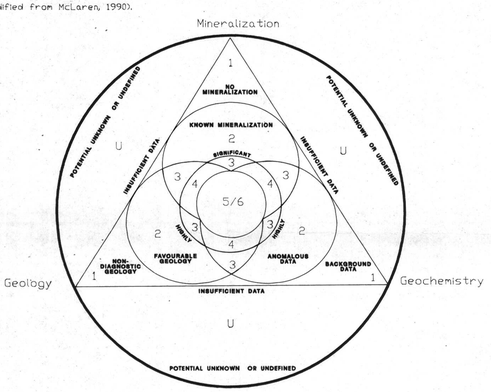
kilometres

INTRODUCTION

The area between Nina Lake and the Osilinka River lies along the boundary between the Intermontane and Omineca geomorphological belts. The area is underlain by rocks belonging to the Intermontane Superterrane and by rocks representing the displaced North American margin. The majority of the mineral occurrences are stratabound base metals hosted in carbonates of the displaced North American margin. These carbonates form a linear zone that is traceable throughout most of the map area.

CLASSIFICATION OF MINERAL POTENTIAL

(Modified from McLaren, 1990).



QUALITATIVE DESCRIPTIONS OF METALLIC MINERAL POTENTIAL CLASSIFICATIONS

Class	Mineral Potential	Description
6	Extremely High	Known deposits (developed prospects) with significant identified resources in the ground. Very favourable supporting data from all applicable areas; very high degree of confidence in designation. Continued exploration highly probable; potential for mine developement is high.
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 geological 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

▲ . . . . . Stratabound Base Metals

● . . . . . Stockwork Base Metals

■ . . . . . Silicified Shear Zone

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