Gold, Granites, and the Geochronology of Bralorne and Bendor

Developing Better Exploration Models for the Bridge River-Boralne Gold Camp

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INTRODUCTION

The Problem

Regional exploration models for gold deposits in the BC Interior are often based on a single deposit in the camp or on a collection of deposits in the area. While this approach can be effective, it is limited in that it does not consider the broader district geology and tectonic setting.

Questions Worth Asking

- Are there regional geophysical and geochemical trends that can be used to guide exploration?
- Can the geology and tectonic setting of the district be used to predict the location of future deposits?
- How can we integrate regional geology and tectonic data with local geological data to improve exploration models?

EXPLORATION MODELS

REGIONAL EVENTS

AGE of BENDOR BATHOLITH

AGE OF ORES

NEW Ar-Ar AGES

CONCLUSIONS

FUTURE WORK

ACKNOWLEDGMENTS

BEYOND GEOCHRON

FURTHER READING