



SOUTHEAST BRITISH COLUMBIA

LEAD-ZINC DEPOSITS

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GEOLOGY OF THE RIONDEL AREA

(82F/15)

Reconnaissance mapping of the area between the Riondel map-area (Høy, 1974) and the Duncan Lake area (Fyles, 1964) was initiated in August 1975. This mapping indicates that:

- (1) The 'Loki' and 'Powder Creek' stocks (Høy, 1974) are apophyses of the 'Fry Creek batholith.'
- (2) The isoclinal 'Phase 2' folds described in the Riondel area continue northward to the southern limit of the Fry Creek batholith.

More detailed mapping, tentatively scheduled for the 1976 field season, will more closely outline structures in this area, and may allow correlation of these structures with those in the Duncan Lake area. This mapping will also outline the Badshot marble, the host rock for most of the lead-zinc mineralization in the Kootenay Arc.

REFERENCES

- Fyles, James T. (1964): Geology of the Duncan Lake area, *B.C. Dept. of Mines & Pet. Res., Bull.* 49, 87 pp.
- Høy, T. (1974): Geology of the Riondel Area, *B.C. Dept. of Mines & Pet. Res., Preliminary Map* 16.

BIG LEDGE (82L/8E)

INTRODUCTION

The Big Ledge is a stratabound zinc deposit contained in the Mantling gneisses of the Thor-Odin gneiss dome. It is located 60 kilometres south of Revelstoke and approxi-