

NAME OF PROPERTY **PJ**

OBJECT LOCATED -from Geology, Exploration, and Mining, 1971.

UNCERTAINTY IN METERS Lat. 58°08.6' Long. 125°16.5'

Mining Division **Liard** District **Peace River**

County Township or Parish

Lot Concession or Range

Sec Tp. R.

OWNER OR OPERATOR AND ADDRESS

DESCRIPTION OF DEPOSIT

The PJ claims flank the Book claims to the west, south, and east and are underlain by slate, siltstone, shale, and minor interbedded limestone and dolomite of the Aida and Gataga Formations. These strata in general trend northwesterly and dip gently to moderately to the southwest, but considerable variations in these attitudes are suggestive of widespread folding. The sedimentary rocks also contain a ubiquitous and generally well-developed slaty cleavage which trends to the northwest and dips moderately to steeply to the southwest. Numerous diabase dykes, some more than 100 feet wide, cut the sedimentary rocks and trend from northeast to northwest.

Copper mineralization in quartz-carbonate veins is found at several places. The Northeast zone is the northernmost known copper occurrence on the PJ claims and lies close to the same fault zone along which the showings of the 428 and Book claims are found. This zone is reported to trend north 25 degrees east and to have an exposed length of approximately 200 feet, along which assays range from 5 to 12.4 per cent copper across widths of 4.5 to 7 feet, the copper being present in chalcopyrite.

p.t.o.

Associated minerals or products of value

HISTORY OF EXPLORATION AND DEVELOPMENT

The property is located between elevations of 5,000 to 7,000 feet on the Gataga River, 6 miles southwest of Church-hill peak.

The PJ group of 86 claims was staked early in 1970 for Bralorne Can-Fer Resources Limited by the Can-Fer Exploration Syndicate. Pacific Petroleum Ltd. and Bralorne Oil & Gas Limited held an interest in the Syndicate. Work during 1970 and 1971 included geological mapping, a soil geo-chemical survey, electromagnetic and induced polarization surveys, and trenching.

Mineral Resources Branch, Department of Energy, Mines and Resources, Ottawa.

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HISTORY OF PRODUCTION

REFERENCES

Geology, Exploration, and Mining; British Columbia Dept. of Mines: 1970, p. 47; 1971, p. 101.

Mineral Development Sector; Corporation Files: "Bralorne Can-Fer Resources Ltd.".

MAP REFERENCES

Geology of the Gataga, Bronson, 428, Book, and PJ claims, Figure 8, Geology, Exploration, and Mining, British Columbia Dept. of Mines, 1971.

Map 1343 A, Tuchodi Lakes, (Geol.), Sc. 1:125,000 - Accomp. Memoir 363, Geol. Surv. of Canada, 1973.

Map 94 K, Tuchodi Lakes, (Topo.), Sc. 1:250,000.

BCI 94K-28, 41, 42

REMARKS

DESCRIPTION OF DEPOSIT (continued)

The No. 2 zone lies on the eastern part of the claims and consists of chalcopyrite-bearing quartz-carbonate veins and lenses that follow both sides of a northeasterly trending dyke. Assays of samples taken by the company range from 1.45 per cent copper across 3 feet to 13.0 per cent copper across 2.5 feet.

The Pelletier zone is the southern continuation of the Book South zone. The geology of the Pelletier zone is essentially the same as that of the Book South zone, other than that an appreciable amount of bornite is reported from some of the showings. Other smaller and widely scattered showings are found on the PJ claims but no information is available on them.

Comp./Rev. By	DMacR						
Date	3-74						