

NAME OF PROPERTY **BRENDA (IRON MOUNTAIN) (LAST CHANCE)**

OBJECT LOCATED -Cu symbol on Map 12-1959.

UNCERTAINTY IN METRES 200. Lat. 52°28' Long. 122°14'48"

Mining Division **Cariboo** District **Cariboo**

County Township or Parish

Lot Concession or Range

Sec Tp. R.

OWNER OR OPERATOR AND ADDRESS

DESCRIPTION OF DEPOSIT

The property is underlain by thin-bedded, metamorphosed tuffs and green schists interbedded with less schistose volcanic breccia and marble of the Permian Cache Creek Group. The schistosity is parallel to the bedding which strikes E and dips 30°S. The showings consist of conformable lenses, not all at one horizon but in one general zone. The lenses range from a few inches to 4 feet in width, are up to 200 feet in length, and can be traced for up to 5,000 feet. They are comprised of magnetite and specular hematite with chalcopryrite which, together with garnet, pyroxene and epidote, replace the enclosing marble and schist. The hematite occurs in the middle of the lenses, the magnetite at the ends of the lenses, the chalcopryrite, in disseminated blobs and grains, throughout the lenses and the malachite distributed in small amounts in the schists, especially on the footwall side. The lenses assayed: trace of gold, 0.2 ounces per ton of silver and 0.5-2 per cent copper.

Associated minerals or products of value - **Silver.**

HISTORY OF EXPLORATION AND DEVELOPMENT

The property is located 4 miles NE of McLeese Lake and 9 miles NW of Tyee Lake.

The property, comprised of the Last Chance and Iron Mask claims, was staked by Dowling and McHugo in 1925. The opening of a small shaft and one open-cut was reported.

In 1956, the property was enlarged to 130 claims, under the name Iron Mountain. The nucleus of this group of claims, the Iron Mountain 1 to 7 claims, was located by S. Pearson, in 1952. Additional claims were located by The Cariboo Gold Quartz Mining Company, Limited, when it optioned the property, in 1956. The workings, at that time, consisted of three shallow shafts and a number of pits and trenches. The Cariboo Gold Quartz Mining Company, Limited, carried out a magnetometer survey, which revealed 3 anomalies, and diamond drilled 5 holes totalling 150 feet. In 1957, the company carried out geological mapping and a dip needle survey.

In 1966, Earlcree Resources Ltd. acquired the property, then consisting of the Mayday, Remo, Brenda and 46 Sue claims, a total of 98 claims. They carried out magnetometer and induced polarization surveys. In 1967, the company diamond drilled 4 holes totalling 1,000 feet on the Sue claims, one drill hole of 250 feet on the other claims and did a geochemical survey.

In 1969, Ensbrook Mines Limited acquired the property and carried out a geophysical survey during the year. In 1970, the company carried out diamond drilling.

In 1971, the property was optioned to Ballinderry Explorations Limited who, in turn, re-optioned it to Falcon Explorations Limited. Falcon did trenching and diamond and percussion drilling before returning the property to Ballinderry Explorations. This company dropped its option at the end of 1971.

In 1972, the property consisted of the Brenda, Mayday, Maybe, Ted, Anchor and June groups, a total of 45 claims. Noranda Exploration Company, Limited, optioned the claims from Ensbrook Mines Limited. In 1972, Noranda carried out an induced polarization survey, an electromagnetic survey, a geochemical survey on 123 samples, and 2,631 feet of diamond drilling in 9 holes.

120 347

HISTORY OF PRODUCTION

REFERENCES

Mineral Development Sector; Corporation Files: "The Cariboo Gold Quartz Mining Company, Limited"; "Earlcrest Resources Ltd."; "Ballinderry Explorations Ltd."; "Falcon Explorations Limited".

Reports of Minister of Mines, British Columbia: 1925, p. 156; 1956, p. 33; 1957, pp. 14, 16; 1966, p. 120; 1967, p. 121.

Geology, Exploration and Mining, British Columbia Dept. of Mines: 1969, p. 308; 1972, p. 335.

MAP REFERENCES

- #Map 12-1959, Quesnel, (Geol.), Sc. 1:253,440.
- \*Map 93 B/8 E, Soda Creek, (Topo.), Sc. 1:50,000.
- Map 1537 G, Soda Creek, (Aeromag.), Sc. 1":1 mile (1963).

REMARKS

Comp./Rev. By	RT						
Date	8-75						