

NAME OF PROPERTY

M.C.

OBJECT LOCATED -M.C. claim (Lot 4407).

UNCERTAINTY IN METERS 500. Lat. 56°02'30" Long. 129°58'20"

Mining Division Skeena District Cassiar

County Township or Parish

Lot Concession or Range

Sec Tp. R.

OWNER OR OPERATOR AND ADDRESS

DESCRIPTION OF DEPOSIT

The veins are steep easterly trending en échelon pods or lenses localized along fissures in red and green volcanic breccias, conglomerates, and sandstones. The largest lens uncovered in the recent work was about 40 feet long, up to 6 feet wide, and possibly 30 feet deep. Mineralization consists primarily of medium-grained galena, brown sphalerite, some pyrite, and a variable fine-grained tetrahedrite groundmass. Picked high-grade samples assayed 0.16 ounce gold, 505 ounces to 550 ounces silver, 1.47 per cent copper, 35.15 per cent lead, and 19.18 per cent zinc. A number of small quartz-carbonate veins worked in the early days were found farther down the ridge toward the old Dalhousie stone cabin. Pyrite, galena, sphalerite, tetrahedrite, with specks of argentite, ruby silver, as well as secondary copper minerals, were identified in these veins. Other small, barren, quartz-carbonate lenses were found in areas just appearing from under the ridgetop ice-cap. They include northerly and northwesterly trending, steeply dipping veins.

Associated minerals or products of value - Silver, lead, zinc, gold.

HISTORY OF EXPLORATION AND DEVELOPMENT

This property is located at the 5,100 foot elevation on the summit of Bear River Ridge about 7 miles north of Stewart.

Three claims, the M.C. No. 1, M.C. No. 2, and Briton, were staked on the showings by C.A. Mackenzie, of Victoria, in 1920. The M.C. Mining Company, Limited, was formed in April 1922 to acquire the property, now expanded to 17 claims. Exploration work was done in open cuts and pits. Two holes were reportedly diamond drilled in the upper showings, neither one finding the downward extension of the mineralization seen at the surface. Ownership of the above company was acquired in 1923 by The M.C. Mining Company of British Columbia, Limited, a British corporation formed in England in April of that year. Ten claims in the M.C. group (Lots 4406-4409 and 4412-4417) were Crown-granted to the company in 1924. The Mack group of 5 claims (Lots 1807-1811) was Crown-granted to the company in 1929. In 1968 the property was relocated by Erin Explorations Ltd. Work entailed trenching and sampling of the old prospects on the south ridge of Mount Shorty Stevenson at elevation 5,300 feet, and several more veins were located in ground which had previously been snow and ice covered.

Marlex Mining Corp. Ltd. in 1970 acquired Mineral Lease M-224 comprising the M.C. and Mack groups and adjacent claims, and the Ridge and Val groups of located claims. Magnetometer and geochemical soil surveys were carried out over the Mineral Lease. The company name was changed in March 1971 to Marlex Enviro-Systems & Resources Ltd. Work during 1971 included geological, geochemical and electro-magnetic surveys over the northwestern section of the claims. The company name was changed in October 1972 to Trans-Canada Enviro-Systems Limited.

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

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HISTORY OF PRODUCTION

REFERENCES

Grove, Edward W.; Geology and Mineral Deposits of the Stewart Area, British Columbia; Bulletin No. 58, p. 135, British Columbia Dept. of Mines, 1971.

Hanson, George; Portland Canal Area, British Columbia; Memoir 175, p. 128, Geol. Surv. of Canada, 1935.

Reports of Minister of Mines, British Columbia: 1921, p. 67; 1922, p. 70; 1923, p. 78.

Geology, Exploration, and Mining; British Columbia Dept. of Mines: 1970, p. 74; 1971, p. 33.

Mineral Development Sector; Corporation Files: "Trans-Canada Enviro-Systems Limited".

BCI 104A-45

MAP REFERENCES

Geological Map of the Stewart Area, Sc. 1": $\frac{1}{2}$ mile, Fig. 3, Sheet B - accomp. Bulletin No. 58.

Map 216 A, Bear River Sheet, (Geol.), Sc. 1":1 mile - accomp. Memoir 159.

*Stewart Area, Crown Grant claim Map, Fig. 15 B - accomp. Bulletin No. 58.

*Map 217 A, Bear River Sheet, (Topo.), Sc. 1:50,000.

REMARKS

Comp./Rev. By	DMacR						
Date	10-74						