

PRODUCT

COPPER

PROVINCE OR
TERRITORY British Columbia

N.T.S. AREA 92 I/2

REF. CU 7

NAME OF PROPERTY

LOT, LOR

LOCATION - center of boundary of Lot 5 and Lot 6 claims.

Radius of uncertainty - 1,000 m. Lat. 50°07' Long. 120°54'

Mining Division Nicola District Kamloops

County Township or Parish

Lot Concession or Range

Sec. Tp. R.

OWNER OR OPERATOR AND ADDRESS

DESCRIPTION OF DEPOSIT

The claims are underlain mainly by Lower Cretaceous Kingsvale Group volcanics. Locally, there are exposures of Upper Triassic Nicola Group volcanics and granodiorite of the Coast intrusives. The Nicola group is represented by green or grey lavas with intercalated breccias, agglomerates and tuffs. In places thin bands of argillite and lenses of crystalline limestone are exposed. These rocks are highly altered and chloritized. Small zinc veinlets and weak disseminations of chalcopyrite and bornite are exposed at widely separated locations in the Nicola rocks and their skarnitized equivalents, usually near the contact zones of the Coast intrusives. Most of the exploration work has been carried out over a large aeromagnetic anomaly centered around Lot 5 and 6 claims. It is represented on the ground by an extensive magnetite skarn zone at the contact between an intrusive diorite stock and Nicola greenstone.

Associated minerals or products of value - Lead, zinc.

HISTORY OF EXPLORATION AND DEVELOPMENT

The property is located on Logan Creek, about 5 miles west of Merritt.

The Lot 1-11 and Lor 12-22 claims were staked by Mr. L. Bourgh, of Merritt, in or prior to 1966. American Smelting & Refining Company held the property in 1966 and carried out induced potential and ground magnetometer surveys over 15.5 line miles, trenching, and 1,115 feet of percussion drilling. This work located three induced potential anomalies within the large anomaly shown on Map 5209 G. Drilling in these anomalies returned values in the range of 0.02 to 0.04 per cent copper, with the exception of holes 1 and 2, where values of 0.16 and 0.10 per cent copper over widths of 10 feet were reported.

In 1969 Mr. Bourgh put down 3 short diamond drill holes and carried out a reconnaissance geochemical survey over the south-eastern part of the property. Drill hole #1 is reported to have assayed 0.005 ounce gold, 0.60 ounce silver, 1.05% lead, and 0.86% zinc to a depth of 90 feet. Drill hole #3 is reported to have cut a 25 foot section assaying 0.3% copper. The geochemical survey indicated several copper and zinc anomalies.

Sunex International Resources Ltd. optioned the property in October 1971.

HISTORY OF PRODUCTION

REFERENCES

Mineral Policy Sector; Corporation Files: "Sunex
International Resources Ltd."

MAP REFERENCES

- Map 886 A, Nicola, (Geol.), Sc. 1":4 miles - accomp.
Memoir 249, Geol. Surv. of Canada (1948).
- Map 5209 G, Merritt, (Aeromag.), Sc. 1":1 mile. (1968).
- *Map 92 I/2, Merritt, (Topo.), Sc. 1:50,000.

REMARKS

AUG 1972