

812365

RICO COPPER MINES LTD.  
LAIDLAW, B. C.

Report on drilling on Lucky Four group of claims by Dr. Victor Dolmage:

Location:

Southwest of Laidlaw on the Fraser River in the New Westminster Mining Division. Laidlaw is about 2/3 of the way north-easterly from Chilliwack toward Hope. The property is south of Wahleach Lake. From the map it starts at the Trans-Canada Highway 78, running for about 8 miles E-SE to the Lucky Four group at a high point on the Cheam Mountains.

Topography:

The ground rises steeply from the Fraser River at about 500 feet above sea level to 7500 feet at Mt. Welch and Mt. Foley, a distance of about 6 miles. The mineralized outcrops are on the steep slope dropping off to the east from Mt. Foley. The area has no roads. It seems to be accessible by pack trail at certain times of the year but in winter the only way to get to it would be by helicopter plane. Some logging roads are within about 2 miles toward the north of the Lucky Four claims.

Geology:

The rocks of the area, according to the geological map of British Columbia are Mesozoic in age. There are some sediments part of which are upper Jurassic, mainly of igneous origin but most of the area is composed of acidic intrusives. The mineralized outcrops are all enclosed in garnetite (skarn in Canada) bands of highly metamorphosed rock which at one time may have been limestone. It is now completely changed to garnet, quartz, hornblence, tourmaline, etc., and at some later time received an impregnation of chalcopyrite.

Three ore outcrops are found in a band of skarn 50' wide by 500' long (on the surface). The skarn is still 40' - 50' wide in a tunnel 200' below the outcrops with its length still undetermined. There is a fourth outcrop about 2000' farther east; it is in a garnetite band 15 feet wide but of unknown length or depth. The skarn band containing the three ore bodies disappears under a glacier so its length is not actually known.

The ore outcrops are described by W. H. White (Univ. British Columbia - Report published in Minister of Mines Report for 1949) as nearly solid chalcopyrite. The three first mentioned outcrops are rather small being on the order of 25' x 50' maximum.

They were not sampled by White nor by Dolmage because of bad snow conditions. One Henry Hill, whose report is in Dolmage's hand did some sampling:

	<u>Au.</u>	<u>Ag.</u>	<u>Cu.</u>
	<u>oz</u>	<u>oz</u>	<u>%</u>
Zone A	.23	2.14	8.61
Zone B	.04	5.58	11.90
Zone C	.06	17.26	15.64

(Note: A specimen received from Kermit M. Quickstead is a piece of solid sulphide, pyrite and chalcopyrite with chalcopyrite being the most abundant mineral-S.A.S.)

Workings:

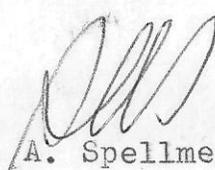
At an elevation 200 feet lower than the outcrops a tunnel has been driven 520' in a direction about S 15 E into the north slope of Mt. Foley. One crosscut and some diamond drill holes have been run from the tunnel. There was in addition some difficult and unsatisfactory drilling from the surface. The surface outcrop areas indicated a possible 225 tons per vertical foot of good grade ore. Drilling has indicated a depth of 500' in the ore body called "B" but the grade and widths have deteriorated except in one drill hole where some high grade ore was found. Most of drilling indicated comparatively narrow bands of ore under 2% Cu.

Discussion:

This property would be expensive to examine, to develop or to mine. The present indication is that the surface ores of good grade (mostly chalcopyrite) became iron sulphides carrying a little copper and instead of remaining fairly thick chimneys they become comparatively short narrow bands.

Conclusion:

The property does not appear to be sufficiently attractive to warrant an examination.

  
S. A. Spellmeyer

SAS/a

L. P. Warriner

New York

1/14/55

R. E. Legg

Rico Copper Mines Limited  
Hope, British Columbia

A short news item on the bottom of page three in the January 13 issue of "The Northern Miner" indicates that the subject property has struck some high grade copper-silver ore. Dr. Victor Dolmage is listed as the consulting engineer.

The situation might be worth investigating.

Lendall P. Warriner

LPW:CM

### Rico Cuts Values

Rico Copper Mines Ltd. reports results of a vertical hole drilled in the "B" zone at its property near Hope, B.C.

An intersection of 24.8 ft. was obtained 180 ft. above the tunnel with the best section being the final 15 ft. of core, which assayed 16.4 ozs. silver and 15.8% copper. The initial eight feet assayed 0.9 oz. silver and 1.0% copper followed by eight inches averaging 0.2 oz. silver and 2.9% copper.

It is felt that the intersection may represent true width as the mineralized zones appear to be flat lying, according to Dr. V. Dolmage, consulting engineer.

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