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0089262627 Ottawa Avenue

JM CARR

Met Vancouver B.C.

April 21st. 1964

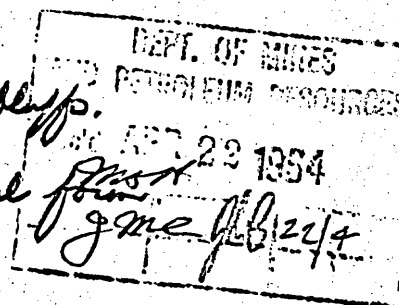
Dear Doctor Carr:-

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My wife and I have just returned from 4 months holiday in Mexico and Miss Pat Roney telephoned to say that she had seen you and that you intended to inspect the Copper Mountain Consolidated property at the Armstrong Bluff, in July.

I thought that you might like a summary of what happened at the property in 1963. The work can be divided into three categories i.e.

- (a) The construction of 7 long ladders over the bluff.
 - (b) The taking of some 600 samples in Channel from
 - (c) The diamond drilling of six holes.
- 3 of the 600 samples sent for assay to J. R. Williams & Co, some 17% responded with a \$5.00 or above value. The 600 samples embraced every rock and zone that could be reached and the policy adopted was to sample everything: irrespective of its mineral contents. In general, it can definitely be stated that most of the \$5.00 ^{and above} values obtained, were taken on the upper reaches of the bluff and in or near the depressions we have named the so-called avalanche aprons. The sampling results respecting the sites at the rock faces along the talus, were definitely inferior.



It was of some interest to note, however, that all the 600 samples taken, carried some copper and that the lowest sample value of any sample was \$1.35.

4 All 6 Diamond drill holes were collared at different heights: where the talus meets the rock face and all drill holes were projected horizontally into the rock, on the advice of the consulting geologist. The drilling showed that some areas were more mineralized than others; but that all the cores assayed bore copper values of about \$1.00 or higher. A regular peculiarity of the most mineralized sections of the cores, was a rapid change in the copper values, ^{\$1.00} poor, ^{\$2.50} fair, ^{\$6.00} good, ^{\$2.50} fair, poor, fair good and so on. The zone on the talus which was drilled, was about 300' long: with a difference in height differential of about 110'. As all the holes were horizontal, the drilling gave us a lot of information concerning a strata of rock, some 110' wide.

5 Prior to the diamond drilling program, the consulting geologists took a 'spot' series of samples for assay over the ~~same~~ same parts at the talus and the rock face: as covered by the drilling program and the general result more or less, agreed with the drilling responses.

6. we had an unfortunate experience. The layman taking the 600 samples had used a Japanese type of marking ink, which was marked as "water-proof": but when we employed a firm of Geologists, in the Autumn of 1963, to retake a proportion of the layman's sampling sites, as professional sampling - it was found that the Autumn rains had washed off the Japanese ink markings. There did not seem any point in having the Geologists take samples, unless it were undertaken to confirm the layman's work and so nothing further was done by the Geologists.

7. The Company received a splendid Geological Report from the Geologist, J. Sullivan, who spent six weeks examining the property in June and July 1963: but his work was confined to a report on the geology of the rocks and not to the economic aspect. Sullivan reported that a Nicola strata extends from the Armstrong Bluffs, in a direct path to the old "Ingersoll Belle" property: near the Highway and he is of the opinion that a mine will develop somewhere along this line.

8. The Consulting Geologists, in summarizing their report on the Armstrong bluffs, came to the conclusion that the

Sullivan
examined
nearly
100 thin
section
specimens

property, as a result of the diamond drilling, is now in an inconclusive state. They were unable to take the 600 samples assayed into consideration in their report, as they were taken by laymen.

9 One can sum up what we know about the Armstrong Bluffs: by saying that a strata of rock at the talus 300' long 110' thick and 200' wide, does not bear Copper high enough in value: to be of economic interest. on the other hand, as the bluffs are some 600' high, it is obvious that, so far, we have examined only about 1/6 of the potential. All the 600 samples were taken in the 5/6 not yet examined by drilling - but as the bluffs are steep, the sampling produced an effect: not unlike drilling results.

10 The Company has not yet had a Board meeting to decide what further exploration we shall undertake at the Armstrong Bluffs in 1964. The 600 samples indicated that it is a case of having to look for and prove some 30,000,000 tons of .5% ore, before a potential mine could be forthcoming and, as you know,

The proving of a mass of poor ore, is a relatively very expensive business.

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11 The Company owns another Copper property, which was bought on Rabbit Mountain, located 2 miles West of the Village of Toulameen and, as assessment work is due on these 8 claims, we shall be doing some diamond drilling here, in 1964. This is an old Copper property formerly ^{divided and} called "Red Bird" and "Consolidated" and consists of some 36 old workings, made at intervals over a length of one mile, along a shattered zone in shale rocks. In 1962, the Company made a 'Cat' road throughout the claims and also a series of trenches, which produced inconclusive results. The old workings were made at mineralized outcroppings in the shattered zone. Consulting Geologists employed in 1962, recommended further expensive exploration of the site. This property is both unique and interesting and I should be grateful if you can find time to visit it during your Tour of Inspection in July. It is unique, because the 2% Copper ore reaches the surface in small pockets outcrops, in what appears to be an otherwise barren field. All the old diggings entered these outcroppings.

A lava Cap evidently once covered the interesting part of this property and the remains of it now covers the center of the shattered zone, which, relatively, lies in a hollow. The 36 old workings lies at the ^{two} extremities: on both flanks of the lava area. Some of the old workings are extensive and one adit was sampled in a channel 85 feet long and responded with an assay value of .85% Cu. This property lies at an average altitude of 4,600' and so, because of snow, it cannot be tackled for drilling before June. Thus, I shall probably be there, when you make your tour in July.

Yours sincerely

Raymond Collier

Copy, please
J.P. Bon

2527 Ottawa Avenue
West Vancouver, B.C.
Nov. 30th, 1963

Sir:

Responding to your letter dated Nov. 26th, 1963, I forward
herewith the information required:-

- 1 Name of property RAY 3 Group: owned by Copper Mountain Consolidated Ltd.
1500 Marine Building, Vancouver, B.C.
- 2 Number and Name of claims 14:- RAY 1, RAY 2, RAY 3, RAY 4 FR.
RAY 5, RAY 6, RAY 7, RAY 8, RAY 9, RAY 10, RAY 11, RAY 12 FR.
"R.R.", and "R".
- 3 \$25,200.⁰⁰ ^{in 1963} was spent on RAY 3 and RAY 4 FR. in 1963, on what
are called the 'Armstrong Bluffs', which are very bold and
descend into the Pimilkameen River, about $\frac{1}{2}$ North of the old
Copper Mountain Mine. Long ladders were constructed and
projected over these bluffs: both to provide access for geological
examination and to facilitate a comprehensive sampling
program for assaying. Long 'cat' cut trenches were constructed
across these bluffs and six channel drill holes were
projected from the talus below the bluff - No production.
- 4 An average of five men were employed, plus three separate
consulting geologists. The work was done under the general
supervision of R. Callaghan.

5 Access to the property

This property lies between the Hope - Princeton Highway and the Similkameen River, in position about 9 1/2 miles South of Princeton B.C. - The old Hope road runs through the property and 'cut' cut roads lead from it to the so-called Armstrong Bluff and also to the talus below the Bluff.

6 Any other relevant information

Doctor M. Carr made a Comprehensive Geological examination of this property in 1963 and doubtless he is in possession of adequate information to provide material under this heading.

Yours faithfully
R. Callahan

Inspector of Mines and
Resident Engineer
523 Columbia Street
Kamloops
B.C.

DEPT. OF MINES AND PETROLEUM RESOURCES		
Rec'd DEC 4 - 1963		
Jme		

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