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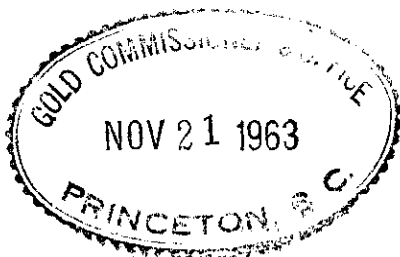
GEOCHEMICAL REPORT ON
A SOIL SAMPLING SURVEY OF PORTIONS
OF THE KR 7-11 GROUP OF MINERAL CLAIMS
OF PLATEAU METALS LIMITED

By Kol Lovang
Christopher Riley, P. Eng.,
Supervisor

<p>Department of Mines and Petroleum Resources ASSESSMENT REPORT NO. <u>530</u> MAP</p>

Vancouver, B. C.

Work Performed:
September 15th to
October 20th, 1963



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INTRODUCTION:

A geochemical report dated October 3rd, 1963 was submitted as assessment work on certain of the KR group of mineral claims twenty miles north of Princeton. Following this, a geological reconnaissance was made to check on further potentialities of the ground. It was then discovered that a strong lineament extended southward from the discovery on KR 3 for a distance of over 5,000 feet and hence further exploration should be carried on in that direction. Accordingly, the base line was cut and surveyed 4,500 feet farther south and cross lines cut for 1,500 feet in either direction at 500 foot intervals. Soil samples were taken on these at 100 foot intervals and assayed in camp using the rubeanic method, 310 in all. The best of these were checked in Vancouver for total copper in parts per million, a total of 42.

GENERAL GEOLOGY:

The group of claims is favorably situated in that

it is in the copper province extending from Copper Mountain to Kamloops, is in the Nicola Series in which the important deposits are found, is close to a regional synclinal axis and to major north-south faulting, the most prominent of which is the Sommers Creek Fault, one-half mile to the east.

GEOLOGY OF THE PROSPECT:

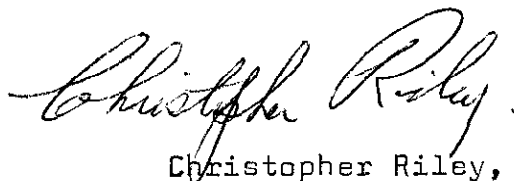
The mineral showings are in Nicola greenstones, the greater part of which consists of volcanic breccias and finer fragmentals. The prospects themselves are in fine grained tuffs, and are associated with a north-south shear zone which accompanies a strong lineament having a length of 5,000 feet and a width of 100 feet or more in which are found several swamps. The Plateau Metals road angles gently into the shear zone and where cut into bedrock exposes gossans which appear to form the western margin of the shear zone.

When soil sampling was complete on KR 7-12, an anomaly appeared between 2,500 south and 0 to 300 east to 5,500 south and 500 east to 700 east. This lies along a steep hillside which extended directly up from the low ground occupied by the lineament. Prospecting the anomaly showed it to occur within an area of strongly altered rock which, on unbroken surfaces, had a dioritic appearance but more dolomitic on broken unmineralized surfaces. Locally, this has been shattered and the fractures filled with ankerite in most cases

and chalcopyrite in some. There are several small exposures on the slope and the overburden is light. The place lends itself admirably to bulldozing. This could be done cheaply and would assist greatly in evaluating structure and might turn up ore, but the best chance seems to lie in the low ground, particularly in an adjoining swamp. This could be explored only by drilling.

CONCLUSIONS:

The additional exploration carried out by soil sampling on the KR group of claims has added very considerably to its exploration potential. Very close examination should be given to the area adjacent to the lineament. This could be done best by bulldozing, then mapping, followed by drilling of the low ground.



Christopher Riley, P. Eng.

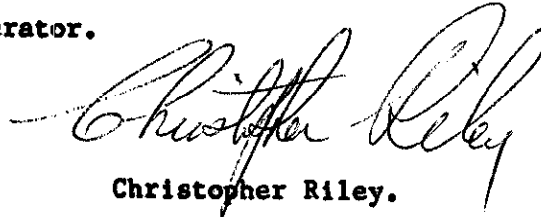
Vancouver, B. C.,
October 30th, 1963.

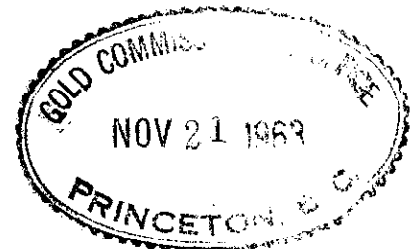
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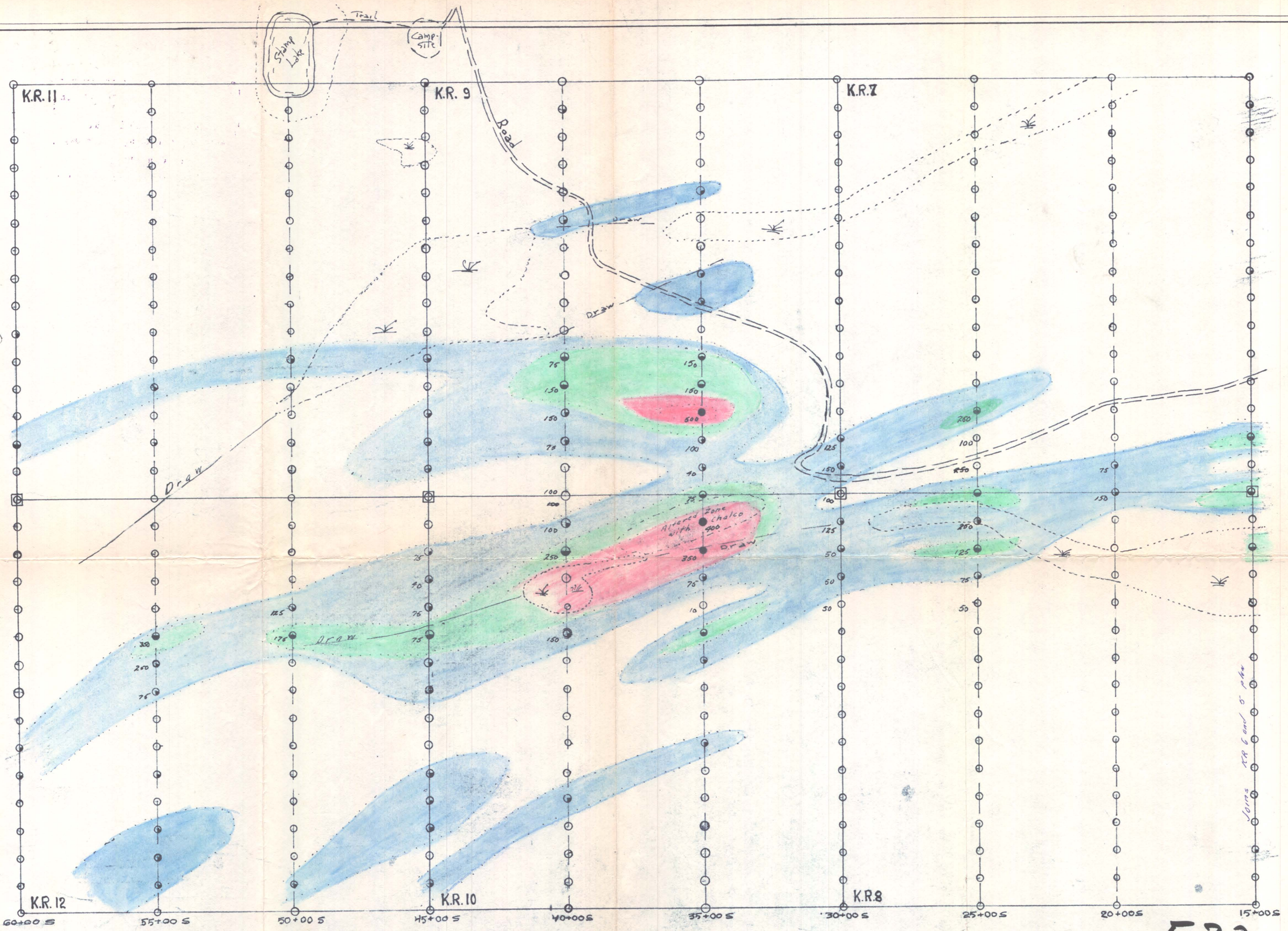
QUALIFICATIONS OF THE OPERATOR, KOLBJORN LOVANG, ON SURVEY OF CLAIMS K R 7-12

Kolbjorn Lovang is a surveyor and prospector-technician. He has had a number of years experience with several mining companies, including Kerr Addison and American Smelting and Refining in carrying out magnetometer and electric magnetic surveys and soil sampling. Last season he ran over 60 miles of line for Plateau Metals Limited, under my supervision, using a magnetometer and in soil sampling.

He is a competent operator.


Christopher Riley.





Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 530 MAP 1

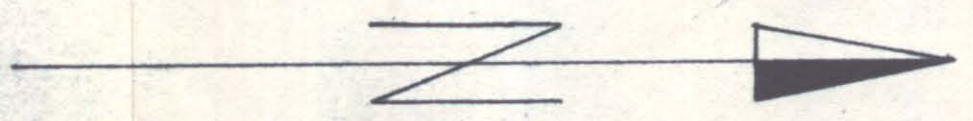
SOIL-TEST RESULTS

on
K.R. 7 to 12 M.C.s

Similkameen M.D. Report 530

Legend:

- nil
 - little
 - some
 - much
 - very much
- checked by
pats per
million
total copper



Scale: 1" = 200'

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To accompany geochemical report by C. Riley on KR Group.
Microdave station 20 mi. N. of Princeton, Similkameen M.D. Oct 30, 1963

Christie Riley P. Eng