

806

GEOCHEMICAL SURVEY

JUNE 18 to 25 inclusive

REZ 1 - 6 MINERAL CLAIMS

SOUTH FORGE MOUNTAIN

KAMLOOPS M.D.

50° - 121° N.E.

R.P. Fustos

for

NORTH PACIFIC MINES L.T.D.  
N.P.L.

408, 409 Granville St.,  
Vancouver, B.C.

by

ALLEN GEOLOGICAL ENGINEERING LTD.  
519, 409 Granville Street,  
Vancouver, B.C.

Alfred R. Allen, P.Eng.

# C O N T E N T S

	<u>Page</u>
INTRODUCTION	1
LOCATION AND ACCESSIBILITY	2
PROPERTY	2
TOPOGRAPHY	3
GEOLOGY	3
GEOCHEMICAL SURVEY	3
SURVEY RESULTS	4
CONCLUSIONS AND RECOMMENDATIONS	4

---

**#1** MAP: Plan showing geochemical results  
REZ 1 - 6 CLAIMS

THE REZ 1 - 6 M.C's

KAMLOOPS M.D.  
B.C.

INTRODUCTION

Under the supervision of the writer, the REZ 1 - 6 mineral claims were investigated by a Geochemical Survey. The survey was conducted by R.P. Fustos and R. Peltier, June 18 to 25 inclusive.

Using the Rubianic method, field determinations were made to detect the copper content of soil samples taken from an established grid system on the property.

To facilitate the work the old road to the property from the Krain camp, which was used as a field headquarters, was put into passable condition with a D-7 Caterpillar bulldozer.

The REZ claims adjoin on the west the Transvaal property where in the past extensive exploratory work was carried

out on highgrade copper showings. The purpose of the survey was to discover if the soil on the REZ claims contained higher than normal copper, and, if so, to outline such anomalous zones.

#### LOCATION AND ACCESSIBILITY

The claims are located in the Highland Valley area of Southern British Columbia on the west of the Transvaal Crown Grant mineral claims. Access is from the Krain camp via the old Transvaal road. The Krain camp is reached via a secondary road which branches north off the paved Bethlehem road, 1 mile southwest of the mill and office. It is a 6 mile drive on the gravel surfaced road, through the Trojan camp, to the Krain.

#### PROPERTY

The property is composed of the following six located mineral claims:-

REZ 1 to 6 inclusive  
Record Numbers 50790 to 50795 inclusive  
Expiration date, July 5, 1967  
Locator, R.P. Fustos  
Approximate area - 300 acres

### TOPOGRAPHY

The claims extend from the summit down the even northwest slope of South Forge Mountain into the small valley, a branch of Bear Creek, and up the north side for about one claim length. Bear Creek drains westerly into Pukaish Creek, a tributary of the Thompson River.

The claims are at an elevation of about 5,500 feet above sea level.

### GEOLOGY

The claims area is believed wholly underlain by Tertiary volcanic rocks, chiefly bassalt. Much of the surface is covered with overburden. Since quartz diorite porphyry outcrops a short distance to the east, there is a strong possibility that the contact between the volcanic cover and older porphyry is close to the property boundary. The volcanic capping may be thin, but no attempts have been made to establish thickness on the property.

### GEOCHEMICAL SURVEY

A base line was surveyed by chain and transit on an old surveyed line through the central part of the property. At

300-foot intervals lines were established in an east-west direction to the property boundaries. At 100-foot intervals on the cross lines stations were established with marked stakes. A sample of soil was taken at each station. All samples were brought to Vancouver and tested for copper by the Rubianic method. The rubianic papers were classified as negative, weak, medium and strong and appropriate symbols for same placed on a plan map of the property. The map accompanies this report.

#### SURVEY RESULTS

Strong copper content in the soil samples was obtained at only 4 locations. Medium strength anomalous zones are indicated. The remainder of the surface produced weak results.

#### CONCLUSIONS AND RECOMMENDATIONS

The claims area is covered with overburden and Tertiary volcanic rocks, except for possibly some quartz diorite porphyry near the southeast boundary.

Geochemical results have not indicated any substantial areas of strong copper mineralization.

It is recommended that the southeast and east boundaries be prospected for the occurrence of copper mineralization in the older igneous rocks.

ALLEN GEOLOGICAL ENGINEERING LTD.



per Alfred R. Allen

Vancouver, B. C.

August 12th, 1966.

**REFERENCES**

**CARR, J.M., Department of Mines of B. C.  
Unpublished Maps of Krain and  
Transvaal areas**

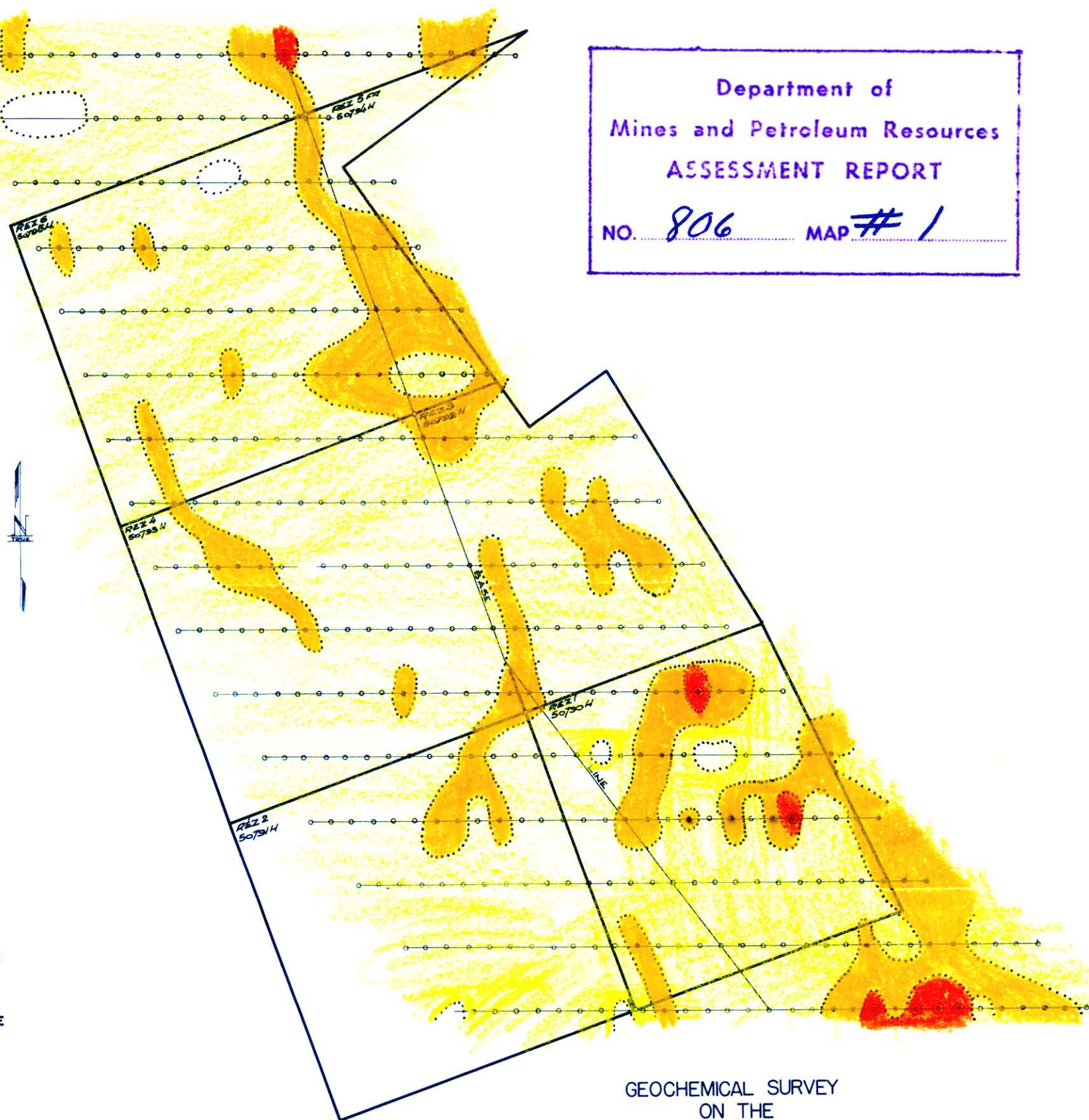
**Minister of Mines Reports, B.C.**

**DUFFELL and McTAGGART G.S.C. Mem. 262**



Department of  
Mines and Petroleum Resources  
ASSESSMENT REPORT

NO. 806 MAP # 1



**RUBIOMIC INDEX**  
● STRONG  
● MEDIUM  
○ WEAK  
○ NEGATIVE

GEOCHEMICAL SURVEY  
ON THE  
REZ GROUP  
HIGHLAND VALLEY, KAMLOOPS MINING DIV.  
SCALE 1"=300'

TO ACCOMPANY REPORT OF ALLEN GEOLOGICAL ENGINEERING LTD.

*Allen*  
Drawn by AF

DO NOT FILM  
THESE PAGES

ALLEN GEOLOGICAL ENGINEERING LTD.

519 UNITED KINGDOM BUILDING  
409 GRANVILLE STREET  
VANCOUVER 2, B.C.

September 27, 1966.

The Mining Recorder,  
Court House,  
Kamloops, B. C.

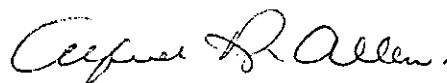
Re: Geochemical Report, REZ 1-6 Claims

Dear Sir:

The samples were taken on the REZ 1-6  
mineral claims as follows:

From cross lines and a base line stations  
were established and staked at regular intervals. At each  
station a sample of clean earth was taken. Each sample,  
weighing about 1/4 pound, was placed in a plastic bag and the  
bag was inscribed with the station number. From the sample  
a 1/2 teaspoon measure of the earth was selected and placed  
in a test tube for the usual chemical test for copper by the  
rubianic acid method.

Yours truly,



A. R. Allen, P. Eng.

DOMINION OF CANADA  
PROVINCE OF BRITISH COLUMBIA

IN THE MATTER  
OF THE  
MINERAL ACT

TO WIT:

I, Alfred R. Allen, of the City of Vancouver in the  
Province of British Columbia

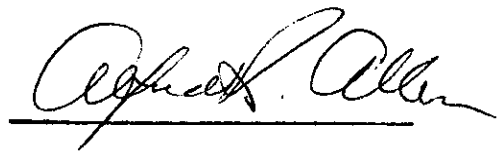
Do solemnly Declare that,

I am a Consulting Geological Engineer engaged in the  
supervision of a Geochemical Survey on the REZ Group  
of six claims, Kamloops Mining Division for North  
Pacific Mines Ltd. N.P.L., Vancouver B. C.

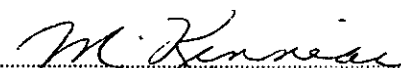
The statement hereto annexed and marked Exhibit "A" to this  
my declaration is a true and accurate statement of expenditures  
made on behalf of North Pacific Mines on the Geophysical  
Survey of the REZ Group ( registered name of their agent  
R. P. FUSTOS ) between the dates June 18 and 25, 1966.

And I make this solemn declaration declaring it to be true,  
and knowing that it is of the same force and effect as if  
made under oath, by virtue of the Canada Evidence Act.

DECLARED before me  
at THE CITY OF VANCOUVER  
IN THE PROVINCE OF BRITISH COLUMBIA  
THIS 12th day of August, A.D. 1966.



Declared before me at the city  
of Vancouver, in the  
Province of British Columbia, this 12th  
day of August, 1966, A.D.

 Sub-Mining Recorder  
A Commissioner for taking Affidavits within British Columbia or  
A Notary Public in and for the Province of British Columbia.

ALFRED R. ALLEN

August 12th 1966

GEOPHYSICAL SURVEY,  
Geochemical, REZ 1 to 6 inclusive,  
Evidence of expenditures incurred:

FIELD CREW:

Arpad Fustos, operator, June 18 to 25 inclusive, \$267.00  
Dick Peltier, helper, June 18 to 25 inclusive, \$200.00

FIELD EXPENSES:

Jeep Rental, \$150.00  
Tractor Rental, \$132.00  
Groceries and meat, \$87.42

ENGINEERING:

A. R. Allen, reports and maps, \$100.00  
Total, \$936.42

EXHIBIT "A"

**Loy's** GENERAL STORE LTD.

Per \_\_\_\_\_

Date June 13 1966  
 M North Pacific Mfg. Ltd.

SOLD BY	C.O.D.	CHARGE	ON ACCT.	ACCT. F.W.D.
				<u>26 76</u>
1		<u>by charge</u>		<u>9 64</u>
2				
3				<u>17 12</u>
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
32	14			
	15			

**Loy's** GENERAL STORE LTD.

Per \_\_\_\_\_

Date June 17 1966  
 M North Pacific

SOLD BY	C.O.D.	CHARGE	ON ACCT.	ACCT. F.W.D.
				<u>17 12</u>
1		<u>groceries</u>		<u>46 66</u>
2				
3				<u>78 78</u>
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
33	14			
	15			

**Loy's** GENERAL STORE LTD.

Per \_\_\_\_\_

Date June 18 1966  
 M North Pacific

SOLD BY	C.O.D.	CHARGE	ON ACCT.	ACCT. F.W.D.
				<u>78 78</u>
1		<u>index</u>		<u>8 64</u>
2				
3				<u>87 42</u>
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
34	14			
	15			



Stanfields Underwear  
B.V.D. Garments

Easy Washing Machines  
and Motorola Radios

# Loy's

## GENERAL STORE LTD.

Groceries, Hardware, Drygoods  
and Men's Furnishings

Local and Imported Fruits  
and Vegetables in Season

ASHCROFT, B. C.

June

1966

Name

North Pacific Mines

Address

Date

ARTICLES

Folio

Debit

Credit

Total

June/66

To Trade

8742

8742

Prices & Extensions Checked \_\_\_\_\_

Charge To \_\_\_\_\_

Account No. \_\_\_\_\_ cheque No. \_\_\_\_\_

Approved for Payment \_\_\_\_\_

RECEIVED

JUL 04 1966

and .....





ALLEN GEOLOGICAL ENGINEERING LTD.

519 UNITED KINGDOM BUILDING  
409 GRANVILLE STREET  
VANCOUVER 2, B.C.

August 15th 1966.

The following were operators on the geochemical survey of the REZ 1 to 6 Mineral Claims, Kamloops Mining Division, June 18th to 25th inclusive, 1966.

ARPAD FUSTOS

Graduate U. B. C. B.A.Sc

More than 10 years field experience, and three years under the direction of the writer.

RICHARD PELTIER

Undergraduate U.B.C. going into final year this fall in honors geophysics and mathematics.

Three years field experience under the direction and supervision of the writer.

CERTIFIED

Alfred L. Allen .P. Eng.

*Alfred R. Allen*

B.A.Sc., M.A.Sc., P.Eng.

CONSULTING GEOLOGICAL ENGINEER

519-409 Granville St.,  
Vancouver 2 B. C.,  
August 15th 1966.

CERTIFICATE

I, Alfred Roy Allen, of the above address, certify that:

I am a graduate of the University of British Columbia,  
and hold the following degrees therefrom:

BASc	Geological Engineering	1939
MASc	Geological Engineering	1941

I am a member of the Association of Professional Engineers  
of the Province of British Columbia, and a member of the  
Consulting Engineers' Division.

I have practiced my profession for the past twenty three  
years.

*Alfred R. Allen* P. ENG.