

FRANKLIN L. C. PRICE

*Professional Mining Engineer*

374

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SEATTLE 1, WASHINGTON

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VANCOUVER 5, CANADA  
MU. 4-2933

November 3, 1961.

Mr. N.H. McDiarmid, President,  
Friday Mines Limited, N.P.L.,  
408 Imperial Bank Building,  
Vancouver 2, Canada.

Dear Sir:

Herewith please find enclosed my geophysical  
and geochemical report to cover the recent survey  
made on your mineral claims in the Nicola Mining  
District, near Merritt, British Columbia.

Respectfully submitted,

  
Franklin Price, P. Eng.

FP/na  
enc.

92I/2W

GEOPHYSICAL AND GEOCHEMICAL REPORT

RON 1 - 8 MINERAL CLAIMS  
50° - 120° S. W.

April - August 1961

Franklin Price, P. Eng.  
Vancouver, B. C.

November 3, 1961.

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MAP           Scale 1" = 200 '	

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FRIDAY MINES LIMITED  
N.P.L.

RON 1 - 8 MINERAL CLAIMS

EXPENSES

Labour	\$1,313.98
U.I.C. & W.C.B.	78.14
Assay	11.34
Truck Expense & Supplies	74.81
Camp Expense	54.72
Merritt Office & Chemical Supplies	87.50
Engineering Supplies	70.07
Maps	23.60
	<hr/>
TOTAL	\$1,694.16

EXPENDITURES INCURRED ON RON GROUP  
1961

David R. Morgan, Geologist	April 24 - 30	\$116.67		
	May 25 - 31	93.00		
	Aug. 30 - 31	400.00		\$249.67
 Gordon E. Leonard - Geologist	 June 1 - 13			 260.00
 Ruben Fast - Foreman	 Aug. 3,-8-9- 15-16-18			 1104.00
 John L. Kovach, Labourer	 May 24 - 31			 70.45
 Lloyd Schmautz, Labourer	 June 23 - 25			 43.34
 James Samson, Labourer	 Aug. 1 - 10			 117.52
 John E. Dodd, Labourer	 Aug. 20 - 31			 140.40
 Allen P. Hodgson, Labourer	 Aug. 1 - 10			 117.52
 Lloyd Hodgson, Labourer	 Aug. 1 - 9			 106.08
 Franklin Price - Engineer in Charge	 3 days @ \$35.00			 105.00

Dominion of Canada: )	Total Labour	\$1,313.98
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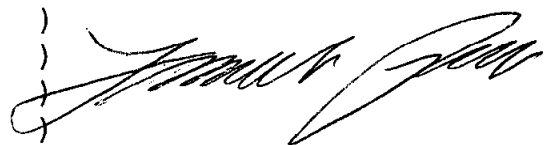
Province of British Columbia. )	IN THE MATTER OF the filing of assessment
To Wit: )	work on the RON 1 - 8 Mineral Claims inclusive
	situate at the head of Stumbles Creek in the
	Nicola Mining Division, British Columbia.

I, Franklin Price, Professional Engineer, of the City of Vancouver, Province of British Columbia, do solemnly declare that the expenditures of \$1,694.16 was made on the Ron 1 - 8 inclusive M.C. 's.

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

Declared before me at the City of )  
Vancouver, Province of British Columbia )  
this 7th day of November, 1961. )

*Shirley Jeanette*  
A Commissioner for taking Affidavits within )  
British Columbia. )  
**Sub-Mining Recorder** )



## INTRODUCTION AND SUMMARY :

A detailed magnetometer survey and geochemical survey was carried out during the summer of 1961 on a group of 8 mineral claims that adjoin the Craigmont Mines property and is located 10 miles northwest of Merritt, British Columbia.

This survey was done in the interests of Friday Mines Limited to appraise the mineral possibilities of the group as that company had an option to purchase the claims.

The field work was completed in September and the final results correlated and mapped by the 1st of October, 1961.

The survey did not locate any anomalous areas from either magnetometer or the geochemical work.

LOCATION :

The group is known as the "RON" Claims. The group had been located several years before as the "Chester" group and had been under the control of Craigmont Mines Ltd. They are located about one mile north of Jackson Lake and adjoin the present Craigmont holdings.

The topography is moderately even with a gentle slope to the east with elevations from 4500 feet at the western boundaries to 4000 feet on the east. Most of the area is covered with typical small mountainous jackpine. The area is situated within the central dry belt of British Columbia.

The property is reached from Merritt by driving west to Lower Nicola, then north along the Aberdeen road through Craigmont Mines to a newly constructed tractor road that was built the length of the claims. The last mile of the road is passable for 4-wheel drive vehicles only.

## METHOD OF SURVEY :

The work was started with the construction of a tractor road that was completed from the Craigmont Mines road near Jackson Lake to the north end of the claims. The new road was made to run as near north as the topography would allow.

A transit survey was then made to establish a north-south base line the length of the claims. Cross lines were marked along this base every 300 feet. The cross lines were then completed with the use of a Brunton-type transit and stations were marked every 100 feet along the cross lines.

The cross lines were then cut clear of brush to allow proper marking of the stations and access for the magnetometer.

### A. Method of Magnetometer Survey :

The magnetometer survey was carried out with an instrument made by the Radar Exploration Co. of Toronto, having a scale constant of 17.4 gammas per division of the vernier scale.

The field work on this survey was under the direction of Mr. Ruben Fast. His field notes were written directly onto the magnetometer calculation sheet. (Specimen attached to this report.) In the field three columns on this report were completed - the station, the instrument reading, and the time.



The field notes were turned in daily and office calculations were made to compute the value, the diurnal and to balance the line.

Office work and calculations were under the direction of Mr. David Morgan, B.S., a graduate in geology from the University of British Columbia.

The final value from each station was then plotted at its respective position on the map. Mapping was done by Mr. Morgan.

B. Method of Geochemical Survey :

The method used in this survey was the rubenic acid test for copper soils designed and developed by Drs. H. V. Warren and R. E. Delavault of the Geology Department of the University of British Columbia. This method has been used with success on this type of soil and thus was selected over other methods.

The field procedure of this type of a survey is quite simple and may be done by one man. The work was carried out at the same time as the magnetometer survey and the head chainman took the soil samples. Samples were taken every 100 feet along the blazed cross lines at marked stations. The top few inches of the soil was cleared away and the sandy soil was selected just below the leached

surface. A sample consisted of a few ounces of clean soil. The sample was placed in a clean paper sack that was marked with the station number. At the end of each working day the samples were transported to the field office for analysis.

Each soil sample is checked by the rubeanic acid test method for the parts per million of copper content. The test is only relative and the local background must be taken into account of any given area. The test is made by selecting a measured amount of soil, i.e. one-half a teaspoonful, and placing it in a small test tube. The soil is then mixed with a buffer solution of acetic acid. The resulting solution is then filtered onto rubeanic acid reaction paper. The copper ions in solution react very quickly with the rubeanic acid and make a dark black stain on the paper. The sizes of the black stains are then correlated and the results plotted on the map at the point of the station site.

GEOLOGY : \*

A. Regional Geology :

The claims are situated 14 miles northwest of Merritt in the Interior Plateau of British Columbia. The main geological features are provided by the Nicola Group, the Guichon Batholith and the Spences Bridge group.

The Nicola Group of Upper Triassic age is the oldest in the area and consists of basalts, andesites, tuffs, tuffaceous sediments, limestones and impure limestones. This group of rocks was intruded during early Mesozoic time by the Guichon Batholith which is associated with, though probably a little older than, the main body of the Coast Intrusions which lie about 15 miles to the west. The typical rock type of the Guichon Batholith is granodiorite.

The type exposure of the Nicola Group occurs on the south west shore of Nicola Lake. A large body of Nicola group rocks lies to the north of this lake and forms the eastern boundary of the Guichon Batholith. There are patches of Nicola Group rocks to the north, northeast and northwest of the batholith. If any rocks of Nicola age lie to the west of the batholith they are obscured by rocks of the Spences Bridge group which are younger than both the Nicola and Guichon Batholith rocks and can not therefore be expected to

have benefited from the copper bearing solutions which have in many places been associated with the Guichon intrusives.

It is on this contact that the Cragmont orebody was discovered. The southern boundary of the claim group lies about one mile northwest of this orebody.

B. Geology of the Ron 1 - 8 Claim Group :

The entire claim group appears to be underlain by granodiorite and quartz diorite rocks of the Guichon batholith. Composition is typically 75% Feldspar, 15% Hornblende and Biotite, and 10% Quartz.

The overburden coverage varies, but in general there is about 10 to 15% outcrop. The outcrop occurs typically in ridges bounded by fairly sharp and continuous draws which run in three principal directions :

North 60° West (Southern and southwestern part of property)

North (Central and northern part of property)

North 45° east (Central and northeastern part of property)

\* Geology by David R. Morgan



Reference :

G.S.C. Memoir 249, "Geology and Mineral Deposits of  
Nicola Map Area, B.C. "

Private Report            R.E. Renshaw, Geologist,  
February 12, 1956

Private Report            W.S. Pentland  
November 19, 1958

A large, stylized handwritten signature in black ink, appearing to read "Frank Renshaw".

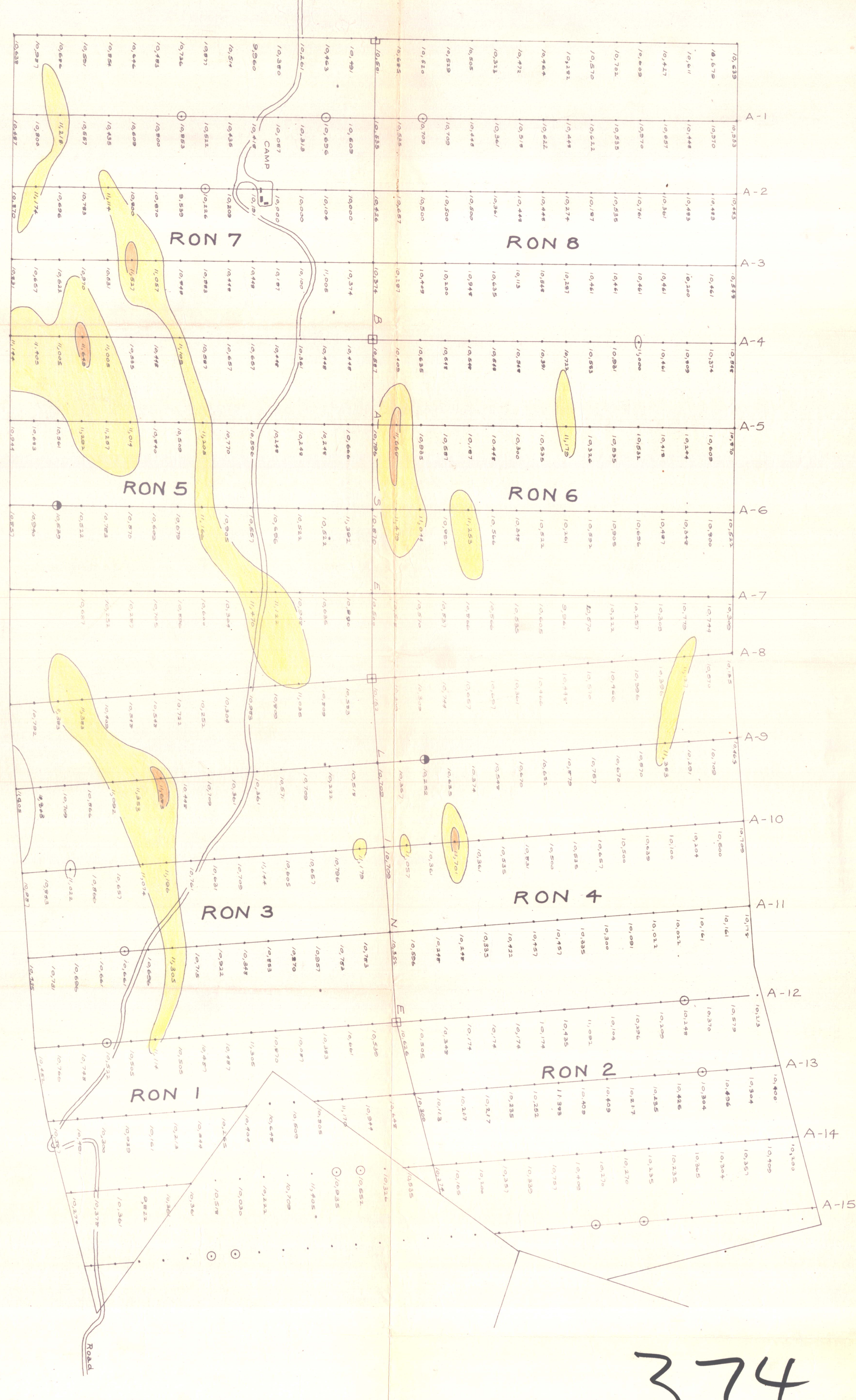
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MAGNETOMETER NOTES - SPECIMEN SHEET



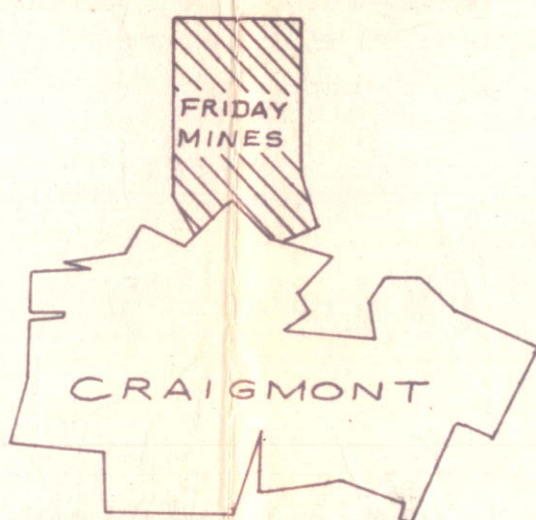


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**LEGEND**

MAGNETIC VALUES		GEOCHEMICAL VALUES	
Background 10,000 $\gamma$		Background	
11,000 Gammas		Trace	
11,500 Gammas		Medium	
		Good	

**LOCATION**



**FRIDAY MINES LTD.**

**MAGNETOMETER AND GEOCHEMICAL SURVEY OF RON 1-8 CLAIM GROUP**  
**MERRITT AREA, B.C.**

Scale: 1 inch to 200 feet.  
 Date: August 1961.  
 By: D.R. Morgan.

*affidavit*