

1983 GEOCHEMICAL AND
MAGNETOMETER SURVEYS

TIM 1 CLAIM

CLINTON MINING DIVISION

NTS 92 P/14

Lat. 51 57 N

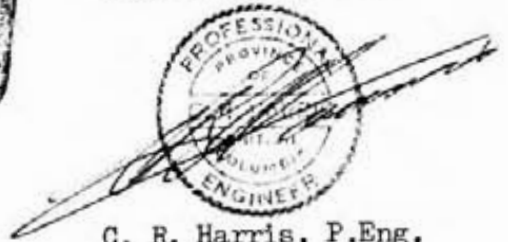
Lon. 121 16 W

Owner: Stallion Resources Ltd.
Operator: Stallion Resources Ltd.
Consultant: C. R. Harris, P.Eng.

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

11,280

Report Prepared By,



C. R. Harris, P.Eng.

April 20, 1983

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INTRODUCTION

At the request of Stallion Resources Ltd., the writer with a crew of two men performed line cutting (3.7 km), soil sampling (40 samples) and magnetometer survey (67 stations) during the period March 23 - 28, 1983.

Originally, a much more ambitious program was planned but conditions of access and difficulty of bush travel and sampling due to heavy wet snow and frozen ground necessitated a reduction of the survey area.

This report details the results obtained from the soil sampling (Gold and Copper) and magnetometer surveys.

LOCATION & ACCESS

The Tim group of claims is located approximately 6 km southeast of Peach Lake and some 22 km northeast of Lac La Hache, B. C. as shown on Figure 1.

Access from Lac La Hache is via improved gravel road to Rail Lake (20 km) thence eastward on logging roads to the western edge of the claims (14 km). Access from 100 Mile House is via paved road to Forest Grove thence north along Bradley Creek for 30 km, then westward on logging roads to the eastern edge of the claims. During summer, access is fairly easy with four wheel drive vehicle but during winter and spring break-up, access is most difficult.

PROPERTY AND TITLE

The Tim Group consists of the following Located Claims:

Tim	Rec.No.	363(8)	10 units
Tim 1	" "	677(4)	18 "
Tim 2	" "	678(4)	20 "

The claims are understood to be owned by Stallion Resources Ltd.

PHYSICAL FEATURES

The claim area is typical of the lower Cariboo region with rolling hills and seasonal creeks often deeply incised. Elevations on the claims range from 4400' to 4900'. Small lakes or swampy areas are common.

Timber is moderate to heavy and several areas on or near the claims are either being logged or are slated for logging. Undergrowth is light in most areas but windfall and logging debris often make foot travel difficult.

HISTORY

The presence of copper mineralization in the area was first noted in 1966 as a result of a regional geochemical program. During 1967 - 73 the area was prospected and several copper zones were found on the Tim claim and the eastern portion of the Tim 2 claim.

Interest in the area waned after 1973 as a result of low metal prices and the area remained dormant until 1979 when the Tim claim was restaked.

During the summer of 1980, Stallion Resources Ltd. continued prospecting on the Tim claim adding to the geochemical grid and trenching. It was at this time that small but significant gold values were found to occur with copper mineralization in trenched shears on the Tim claim.

ECONOMIC ASSESSMENT

Copper mineralization with significant gold values has been found on the Tim and Tim 2 claims and several geochemical copper and I.P. anomalies are known on these same claims.

Although nothing of great interest was found during this program on the southwest corner of the Tim 1 claim, the claim group is definitely of

economic interest and warrants considerable further work.

The weakly anomolous areas found by copper geochemistry in the northwest and southwest corners of the sample area and by magnetometer survey in the south west corner require further investigation.

GEOLOGICAL SETTING

The claim area is underlain by Nicola Group volcanics and sediments of Triassic age and by the southwest flank of the Takomkame batholith. The contact of the batholith with Nicola rocks is not sharply defined and a wide transition zone of hybrid and metamorphic species has been noted.

On the area sampled, a fine grained dark green altered volcanic was noted in place near station B - 200 and float indicates much of the area underlain by similar rocks. No intrusive rocks were observed.

DESCRIPTION OF WORK

On March 24, 1983, attempts were made to drive to the central area of the claim group via both the Rail Lake and Bradley Creek roads. Neither effort was sucessful due to very poor road conditions resulting from the spring break-up. A decision was therefore made to confine the survey to the southwest corner of the Tim 1 claim, this being the most accessible although even this area required a walk of several kilometers.

On March 25, 26 & 27, 3.7 km of sample lines was laid out, magnetometer readings taken at 67 stations and soil samples taken at 40 locations. Deep snow and frozen soil seriously hampered the work and it was eventually decided to shorten the intended program and await improved conditions.

MAGNETOMETER SURVEY

For this survey a Phoenix Model 1 Fluxgate Magnetometer was used. Readings were taken at all line stations.

SOIL SAMPLING

Soil samples were taken from the "B" soil horizon consisting of sandy clay with some angular rock fragments. The color of this horizon is light tan to medium reddish brown. Soils in the area are generally poorly formed with no distinct boundary between B and C horizons. For the most part, samples were taken from the upper B horizon below the surface roots.

Sampling was first attempted by augering but ice and frozen ground made this method impractical. Samples were therefore taken by pick and shovel but often only after considerable snow clearing and cutting through windfall and organic debris. Sampling was discontinued after 40 samples due to the poor productivity of this method under the prevailing conditions.

Assays were performed by Min-En Laboratories of North Vancouver, B. C., as shown on Appendix I.

FIELD RESULTS & DISCUSSION

MAGNETOMETER

The readings obtained are plotted on Figure 5. The distribution of 67 readings has a mean of 5870 and a standard deviation of 76.5.

Although a few readings appear to be statistically significant there is insufficient data to plot magnetic contours or make any interpretation of the data other than to suggest that there appears to be a weak magnetic

high in the southwest corner of the sample area in the vicinity of station F - 00. Readings in this area should be continued to the south and west.

GEOCHEMICAL

The assays obtained for Copper and Gold are plotted on figures 3 and 4. The distribution of copper assays has a mean of 77.2 ppm with a standard deviation of 64.6.

The plot of the gold assays shows no particular pattern or unusually high values.

Two areas show anomolous high copper assays, the northwest and southwest corners of the sample area, but unfortunately coverage is insufficient to determine if these areas are significant or simply isolated highs of limited extent. Sampling in these areas should be extended.

COST STATEMENT

Transportation:

Truck Rental, 1 week @ 350	\$	350.00	
Mileage, 1620 km @ .18		291.60	
Gas and Oil		269.70	
Towing & Tire Repair		60.00	
		<u>971.30</u>	\$ 971.30

Meals & Accommodation:

Motel, 5 da, 2 rooms		379.71	
Meals, 3 men, 6 da @ 30		540.00	
		<u>919.71</u>	\$ 919.71

Tools & Rentals:

Magnetometer Rental		120.00	
Auger Rental		60.00	
Sampling Supplies		64.00	
Misc. tools & batteries		31.25	
		<u>275.25</u>	\$ 275.25

Labor:

S. Arbour (Lac La Hache)		30.00	
M. Harris (Vancouver) 6 da @ 120		720.00	
B. Calder (Vancouver) 6 da @ 120		720.00	
		<u>1,470.00</u>	\$ 1,470.00

Assays

400.00 \$ 400.00

Professional Fees:

C. R. Harris, P.Eng. 6 da @ 250		1,500.00	
Preparation of Reports		500.00	
		<u>2,000.00</u>	\$ 2,000.00

TOTAL			<u>\$ 6,036.26</u>
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CERTIFICATE

I, Charles R. Harris, of 2709 Wembley Drive, North Vancouver, B. C., hereby certify that:

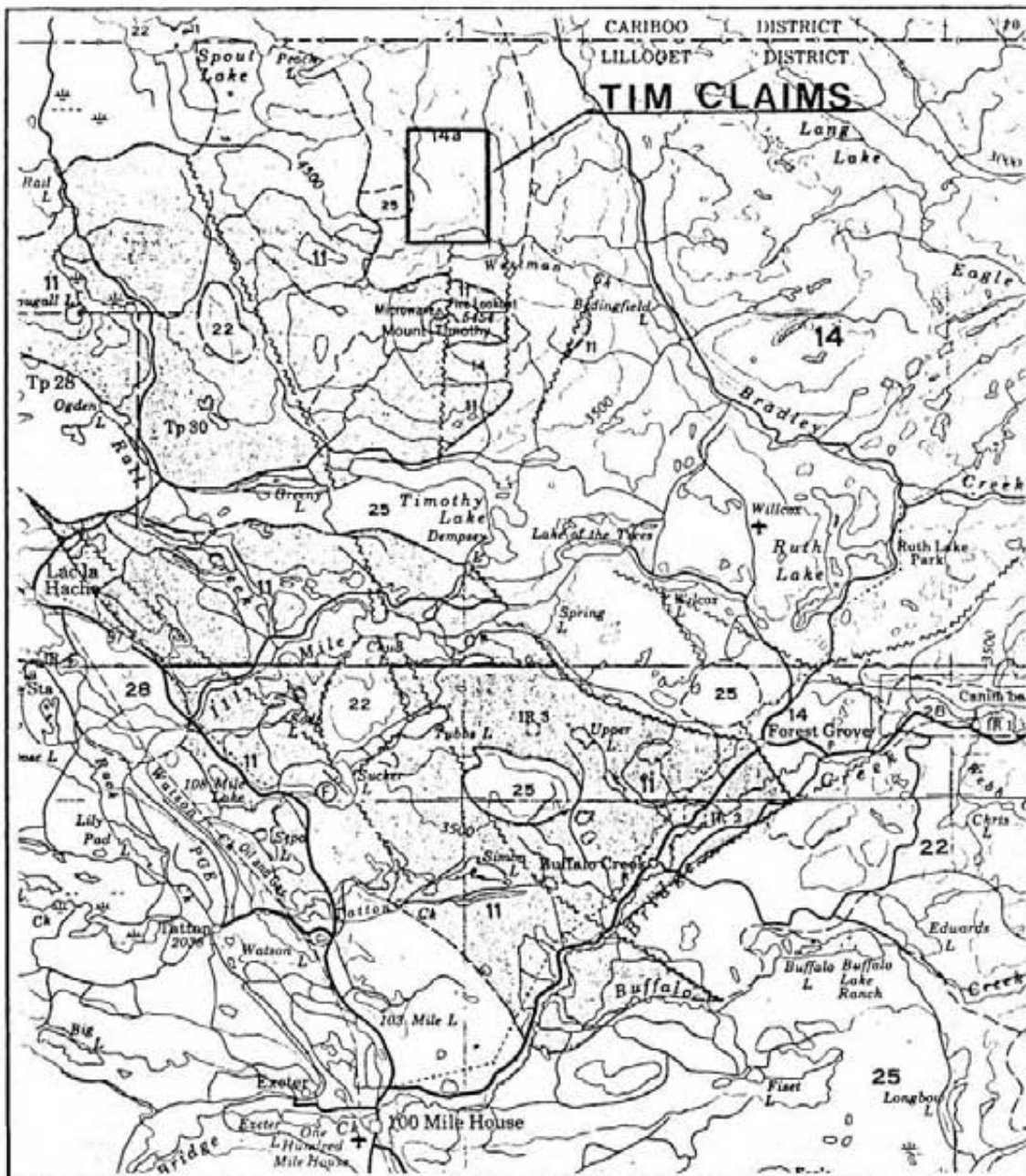
1. I am a graduate of the University of British Columbia with a degree of bachelor of Applied Science in Mining Engineering.
2. I am a registered member, in good standing, of the Association of Professional Engineers of British Columbia.
3. I have been practicing my profession continuously for the past eighteen years.
4. I have no interest, directly or indirectly, in the properties or securities of Stallion Resources Ltd. or in any associated company.



.....
C. R. Harris, P.Eng.

April 20, 1983

Figure 1.



Scale 1 : 250,000

- 11 NICOLA GROUP
andesite, flows, dreccia,
tuff, greywacke.
- 14 TAKOMKANE BATHOLITH
quartz diorite & granodiorite.
a - diorite & syenodiorite.
- 25 TERTIARY VOLCANICS
plateau lava, basalt.

GEOLOGY

TIM CLAIM AREA

Figure 2

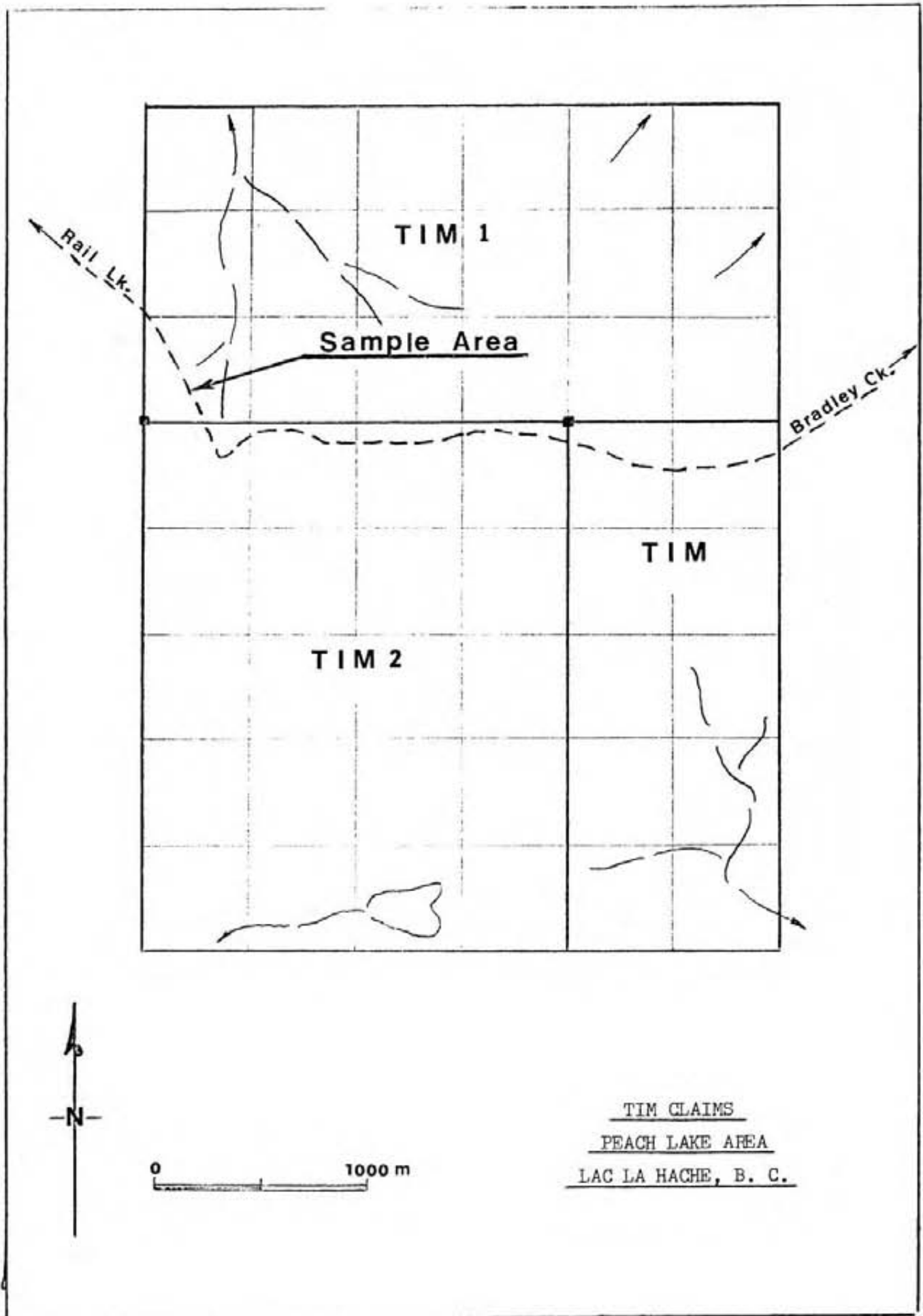


Figure 4

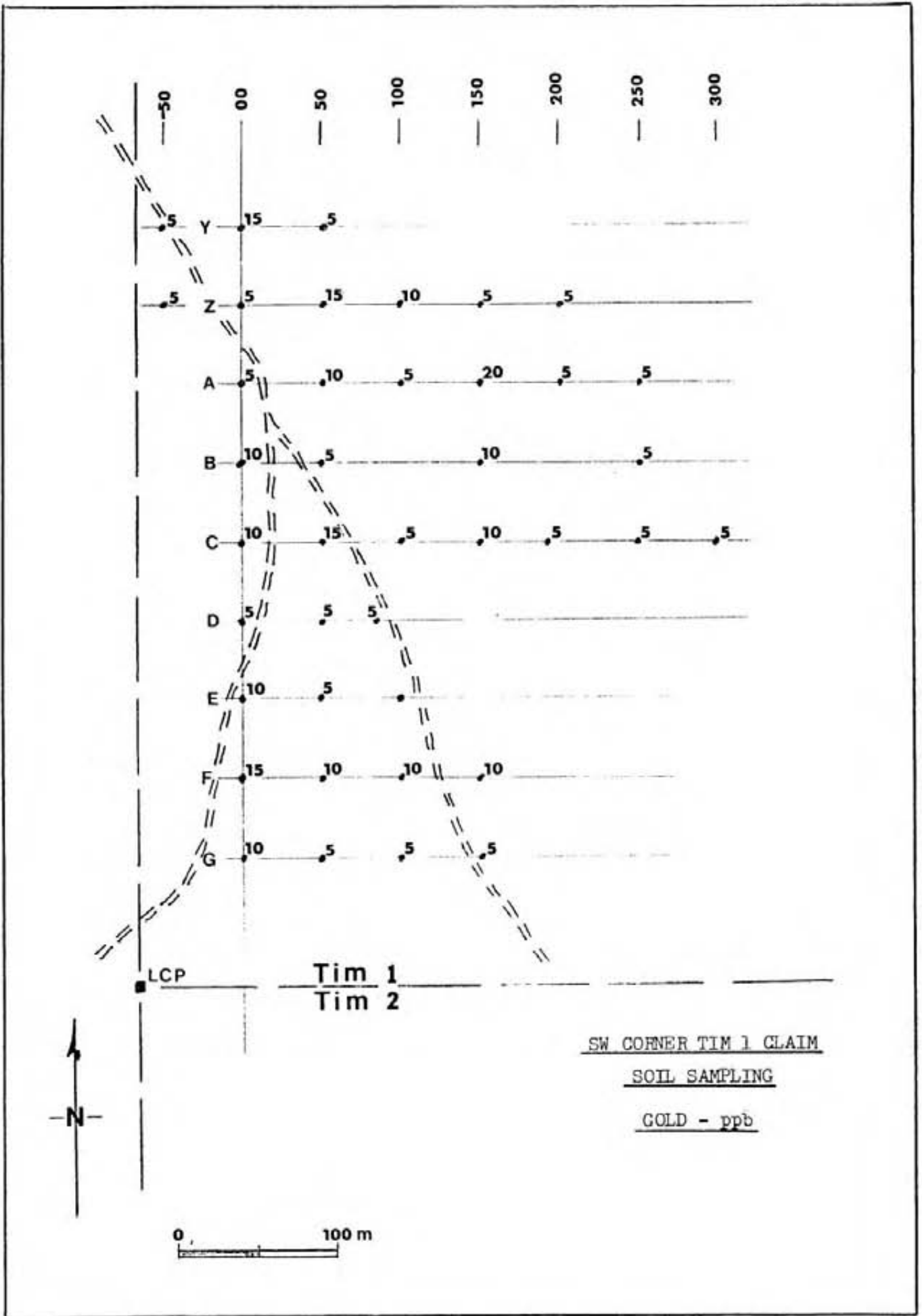
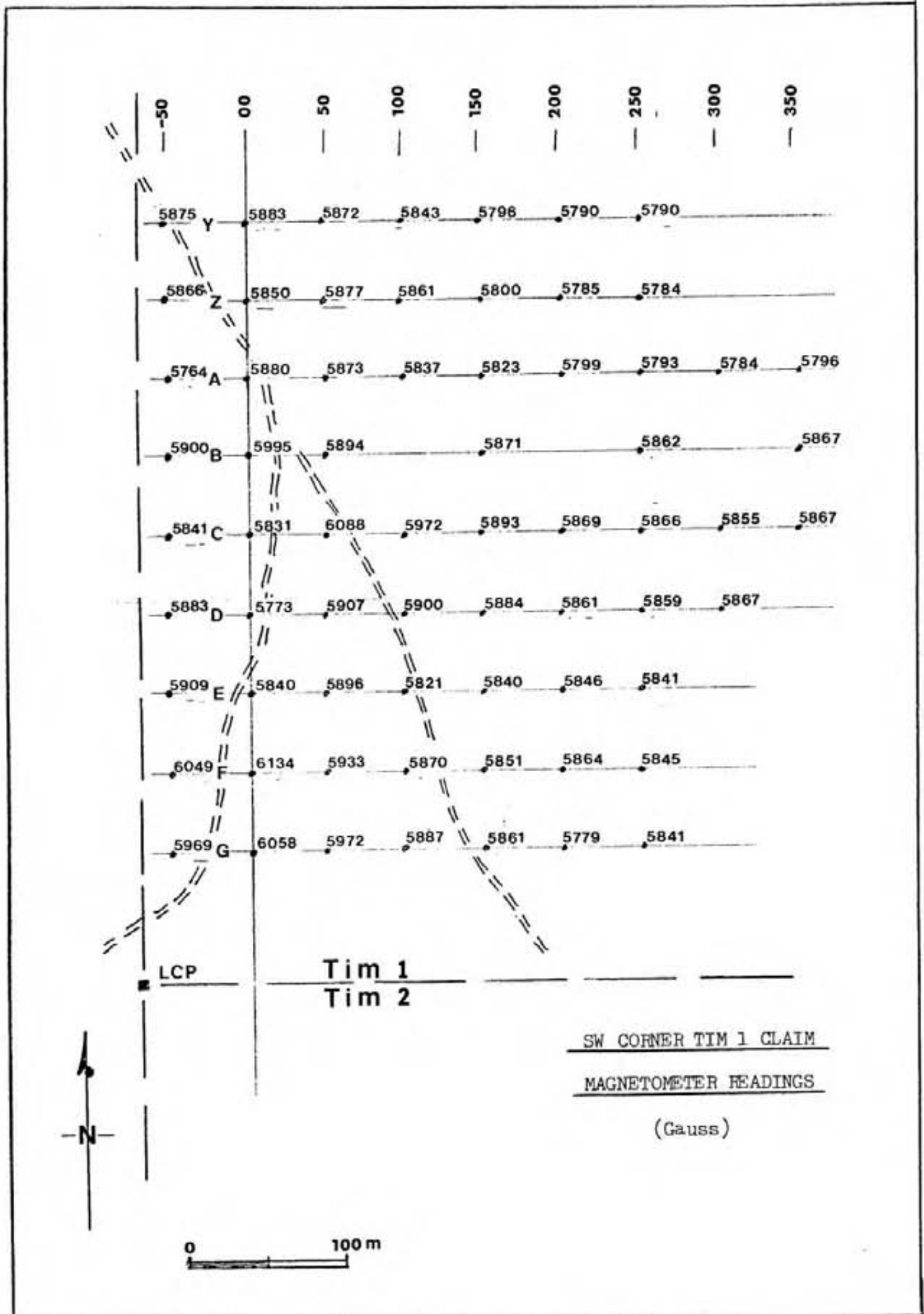


Figure 5



MIN-EN Laboratories Ltd.

705 WEST 15th STREET,
NORTH VANCOUVER, B.C., CANADA V7M 1T2
TELEPHONE (604) 980-5814

ANALYTICAL REPORT

Project Date of report **April 6/83.**

File No. **3-161** Date samples received **March 30/83.**

Samples submitted by:

Company: **C.R. Harris**

Report on: **40 soils** Geochem samples

..... Assay samples

Copies sent to:

1. **C.R. Harris, North Vancouver, B.C.**

2.

3.

Samples: Sieved to mesh **-80** Ground to mesh

Prepared samples stored discarded

rejects stored discarded

Methods of analysis: **Cu-nitric, perchloric digestion.A.A., Au-Aqua**

Regia.A.A.

Remarks:

COMPANY

C.R. Harris

GEOCHEMICAL ANALYSIS DATA SHEET

(No. 3-161)

PROJECT No.:

MIN - EN Laboratories Ltd.

DATE: Apr. 6,

ATTENTION:

C.R. Harris

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
PHONE (604) 980-5814

1983

Sample Number	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb				
6	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	
81	86	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160
A+0.0		2.6					•					5				
.5.0		4.8					•					10				
1.0.0		7.4					•					5				
1.5.0		3.1					•					20				
2.0.0		8.5					•					5				
A+2.5.0		10.8					•					5				
B+5.0		6.5					•					5	(40 mesh)			
C+0.0		4.9					•					10				
B+1.4.5		3.8					•					10				
C+5.0		3.7					•					15				
1.0.0		5.5					•					5				
1.5.0		3.1					•					10	(40 mesh)			
1.7.5		3.4					•					5				
2.5.0		2.4					•					5				
C+3.0.0		10.7					•					5				
D+0.0		6.2					•					5				
D+4.0		2.5					•					5				
D+7.5		5.1					•					4.5				
B+0.0		6.6					•					10	(40 mesh)			
B+2.5.0		5.1					•					5				
E+1.5		9.6					•					10				
F+5.0		7.3					•					10				
E+5.5		10.6					•					5				
F+0.0		4.0					•					15				
G-2.0		2.2.7					•					10				
G+5.0		1.5.7					•					5				
Z+0.0		7.1					•					5				
Z+5.0		8.7					•					5				
1.5.7		3.9					•					5				
1.5.8		3.3					•					5				

(G+10.0)
(G+15.0)

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