



REPORT  
GEOLOGICAL INVESTIGATION & RECONNAISSANCE  
OF  
THE "GORA" GROUP OF MINERAL CLAIMS  
FOR  
AIATOR CORPORATION LTD., TORONTO, ONT.

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VANCOUVER, B.C.,  
December 27, 1954.

Mining Recorder,  
Department of Northern Affairs & National Resources,  
WHITEHORSE, Y.T.

Dear Sir:

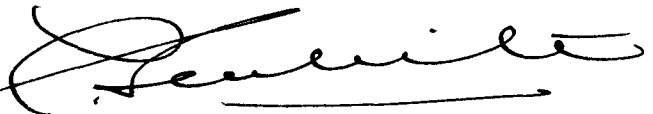
The report covering our survey and geological reconnaissance of the GORA group of mineral claims, Pelly River area, Y.T., is submitted herewith for your consideration.

A crew of five men completed the work of line-cutting, surveying and prospecting between June 24th and July 14th, 1954. Complement of the crew consisted of a mining engineer, two student surveyors and two experienced prospectors.

Preliminary work indicated that a magnetometer survey was warranted. This work was completed by another crew later during the year and was covered in a separate report.

Grouping Notices and Affidavits for Certificates of Work to be granted under Section 54 (2B) of the Yukon Quartz Mining Act were submitted at an earlier date, for which receipt has been received.

Yours very truly,



L. G. White,  
Agent for ALATOR CORPORATION LIMITED,  
66 King Street, West,  
Toronto, Ontario.

LGW/hc.  
enc.

REPORT

ON

THE "GORA" GROUP OF MINERAL CLAIMS

PELLE RIVER DISTRICT, YUKON TERRITORY

VANCOUVER, B.C.,  
December 9, 1954.

BY:- H. M. Powell,  
Mining Engineer.

REPORT

ON

THE "GORA" GROUP OF MINERAL CLAIMS

PELLY RIVER DISTRICT, YUKON TERRITORY

PREFACE: This report is to be classified as a geological investigation, as per Section 54-2B of the Yukon Quartz Mining Act.

To accomplish this work, a party of five men was employed between June 24th and July 14th, 1954.

A camp was set up on the GORA No. 7 Mineral Claim at the headwaters of a small tributary to Blind Creek. The equipment was moved to the site from Jackknife Lake, a distance of  $3\frac{1}{2}$  miles, by packhorse. All supplies were flown from Whitehorse to Jackknife Lake.

Lines were cut and a compass and tape survey made of the group as a basis for the geological work.

The survey was also run to the INSURANCE and ART groups adjoining to the west and a tie made with Prospectors Airways Company's magnetometer baseline.

LOCATION: This group of claims is in the Pelly River District, Yukon Territory, and is situated at  $62^{\circ} 16'$  N. Lat. and  $133^{\circ} 06'$  W. Long.

The claims lie  $3\frac{1}{2}$  miles south of Mount Mye, elevation 6763 feet, and may be reached from Whitehorse, 140 flying miles to Jackknife Lake, or by road from Ross River via Blind Creek to Prospectors Airways' camp, a distance of some 40 miles.

The claims are bounded on the north by the GRAN Group; on the east by the BLIND Group (Conwest Exploration Co.); on the south by the MAC Group, and to the west the INSURANCE and ART Groups (Prospectors Airways).

PROPERTY: The GORA Group consists of eight mineral claims, as follows:

GORA Nos. 1 to 8 inclusive - Tag Nos. 67254 to 67261.

The claims were recorded in Whitehorse by Alator Corporation Limited, of Toronto, Ontario, and are held by them.

TOPOGRAPHY: The claims are located at elevations from 4500 to 5200 feet and cover the southern slope of a mountain rising to 6000 feet in elevation. The slope is moderate and slightly undulating, and the greater part of the group is covered by overburden.

The ground generally is wet and in part swampy, being the source of small streams flowing toward both Blind and Vangorda Creeks.

The overburden supports tall willow, Arctic birch and patches of spruce.

GEOLOGY: From the scattered outcrops on this group, it may be assumed that the greater part of the area is underlain by schists of the Yukon Series, G.S.C. Memoir #200.

The general trend of the rocks is to the northwest, with no dip, or slightly to the north.

At the northwest end of the group considerable strike faulting has occurred, leaving the rocks eroded in steps.

Lenticular quartz filling, conforming to the bedding, from a few inches to a few feet in thickness and several feet in length, occur in this area. They show no alteration and are considered merely segregations within the formation itself.

Considerable diorite outcrops on the GORA No. 8 Mineral Claim. The contact between this rock and the schists was not clearly defined, so its attitude and relationship is not known.

On the GORA No. 6 Mineral Claim there is an outcrop of coarse feldspar-porphry. No doubt, this rock intrudes the schists, although no contact could be found to verify this statement.

#### ROCK

DESCRIPTION: The schists vary greatly in the area; those to the north on the GORA No. 1 Mineral Claim are the coarse, ribboned variety; those on the GORA Nos. 4 and 6 Mineral Claims are of sericitic and chloritic types.

On the INSURANCE claims southwest of the boundary, a graphitic schist was found, showing narrow quartz banding.

The diorite is a medium to fine grained grey rock somewhat altered and containing chiefly feldspar and hornblende.

The feldspar-porphry noted was pale yellow-brown in colour and had large  $\frac{1}{8}$ " feldspar crystals with abundant quartz. The ground-mass, undetermined, was also porphyritic.

MINERAL-  
IZATION:

It was observed while prospecting that the boulders in the creek beds were slightly covered with iron oxide, yet little or no mineralization was found either as float from frost heaves or in place.

CONCLUSION: The formation which underlies the group is considered very similar to that on which Prospectors Airways are diamond drilling one and one-half miles to the west. It is, however, believed to be the easterly end of these rocks in this particular area.

A magnetometer survey has already been carried out, with results outlined in a separate report.

In view of the above and since no mineralization was found, any further prospecting contemplated for this group should embrace geochemical methods.

Respectfully submitted,



H. M. POWELL,  
Mining Engineer.

HMP/hc.  
Dec. 9/54.

EXPENSE SUMMARY

TO:

Supplying and maintaining a crew of five men at Jackknife Lake, Pelly River Area, Y.T., 140 miles northeast of Whitehorse. Purpose of the job was to conduct a complete geological reconnaissance and mapping program of the GORA Mineral Claims, Nos. 1 to 8 inclusive:

Crew	5 men
Time	8 days
No. of Claims	8

LABOUR COSTS - Per Payroll Summaries:

1 Mining Engineer - Party Chief, @ \$18.00/day	\$ 144.00	
2 Prospectors, @ \$12.00/day	192.00	
2 Student Surveyors, @ \$10.00/day	<u>160.00</u>	\$ 496.00
Workmen's Compensation Insurance @ 5% -		24.80

BOARD COSTS - Per Northern Commercial Invoices:

Food Supplies - averaged \$3.00/day/man -	120.00
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TRANSPORTATION - Whitehorse Flying Services:

1 Plane Charter - 3 hours @ \$80.00/hour -	240.00
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HORSE RENTALS - T. Connelly, Ross River, Y.T.

Packing Supplies - 2 horses @ \$6.00 -	48.00
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<u>PREPARATION &amp; PRINTING REPORT</u> - Engineering Service:	<u>50.00</u>
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TOTAL EXPENSE:	<u>\$ 978.80</u>
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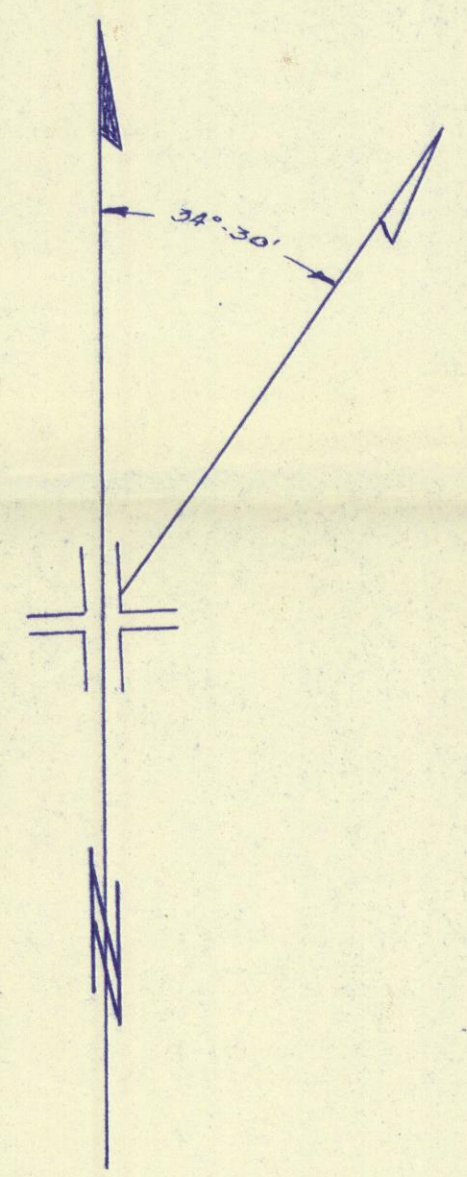
EXPENSE/CLAIM:	<u>\$ 122.35</u>
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CORRECT:




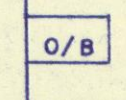

  
L. G. White.

Dec. 9/54.

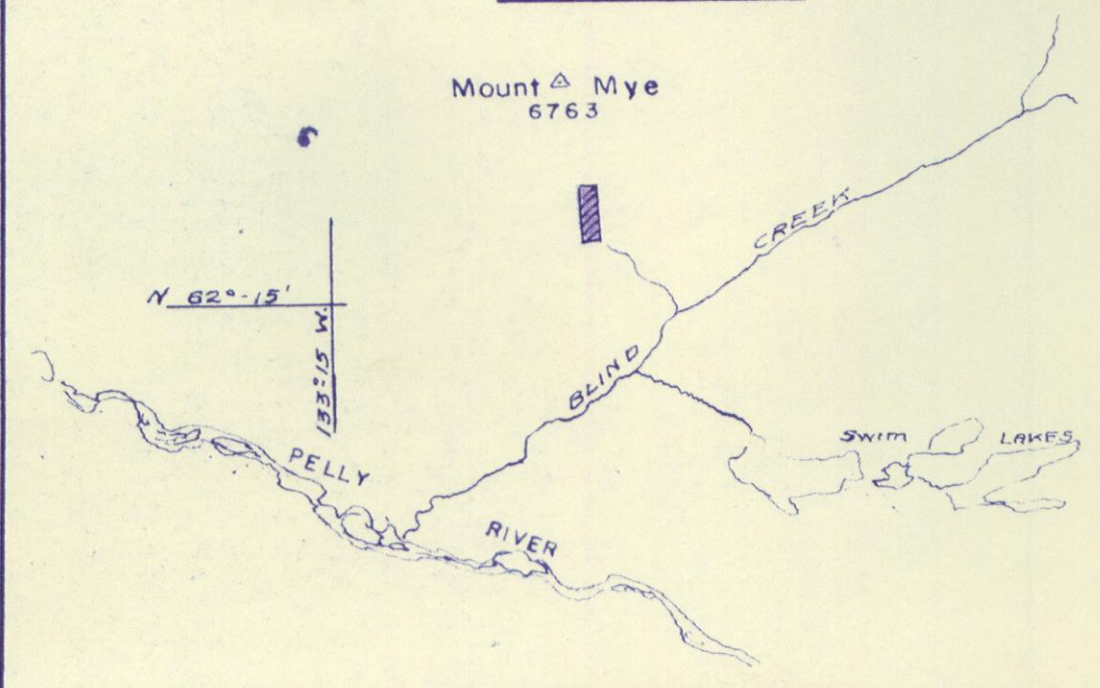




**LEGEND**

-  SCHIST
-  DIORITE
-  FELSPAR PORPHYRY
-  OVERBURDEN
-  ATTITUDES

**KEY**  
SCALE 1" = 4 MILES



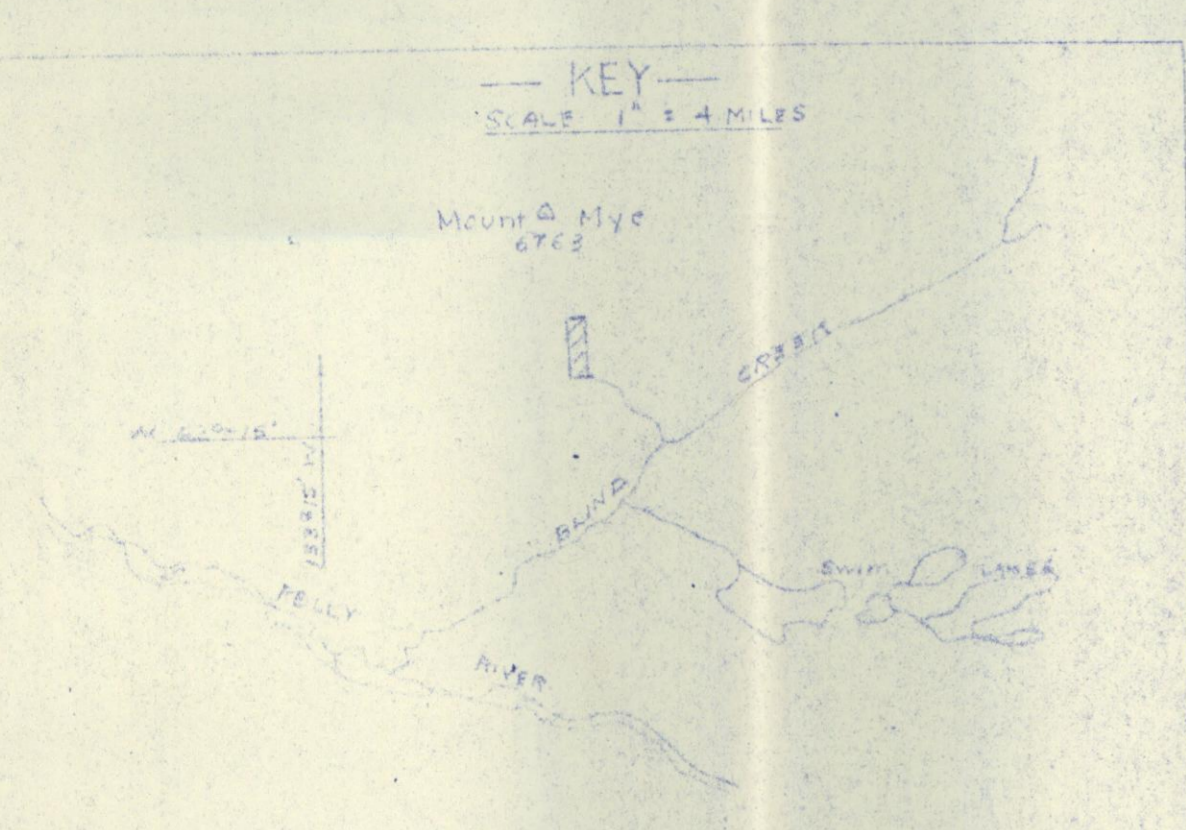
**GEOLOGICAL PLAN**  
**GORA GROUP**  
**PELLY RIVER DISTRICT**  
**— Y. T. —**

SCALE 1" = 400' BY Powell

DEC. 1954

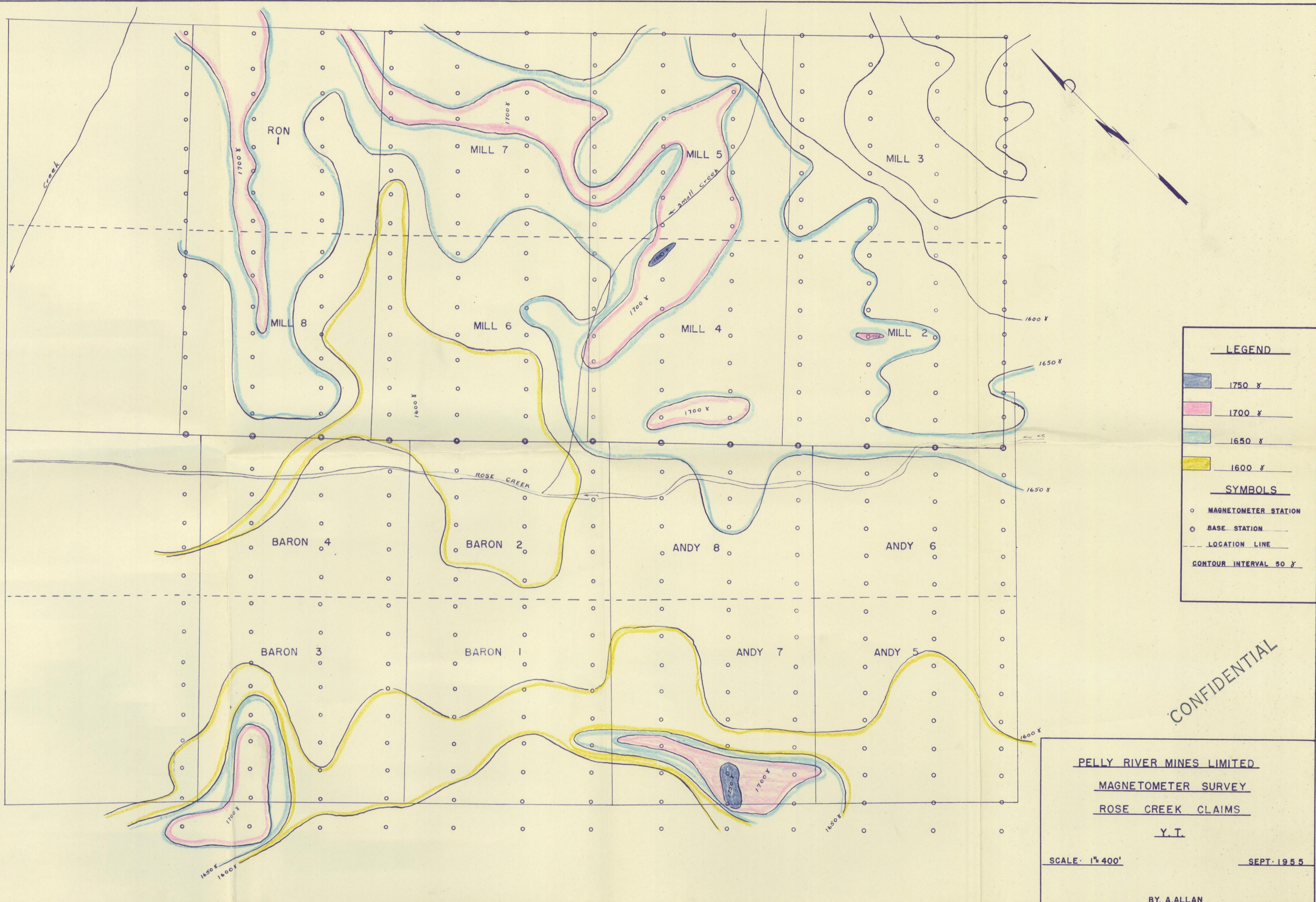


BLIND GROUP  
(covered)



- LEGEND
- SCHIST
  - GRANITE
  - PELTIC PORPHYRY
  - TRAIL
  - ROAD LINES
  - STREAM

GEOLOGICAL PLAN  
 GORA GROUP  
 PELLY RIVER DISTRICT  
 Y. T.  
 SCALE 1" = 200' BY C. L. DUNN  
 DEC. 1953



**LEGEND**

- 1750  $\gamma$
- 1700  $\gamma$
- 1650  $\gamma$
- 1600  $\gamma$

**SYMBOLS**

- MAGNETOMETER STATION
- +

 BASE STATION
- LOCATION LINE

CONTOUR INTERVAL 50  $\gamma$

CONFIDENTIAL

PELLY RIVER MINES LIMITED  
MAGNETOMETER SURVEY  
ROSE CREEK CLAIMS  
Y.T.

SCALE: 1" = 400' SEPT. 1955

BY A. ALLAN