

1867

Report On a Magnetometer Survey

CY GROUP MINERAL CLAIMS

in

Similkameen Mining Division

Lat. $49^{\circ} 25'$, Long. $119^{\circ} 25'$.

for

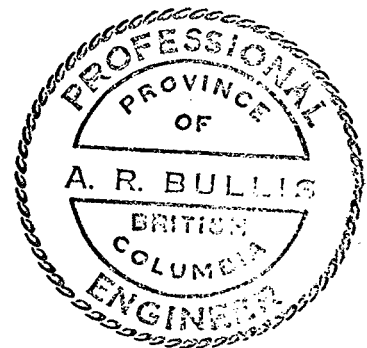
THOR EXPLORATIONS LTD.
789 West Pender Street
Vancouver 1, B.C.

by

A. R. Bullis, P. Eng.
5215 Saratoga Drive,
Delta, B.C.

April 21, 1969

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 1867 MAP



INTRODUCTION

In a report dated 15th December, 1968, Mr. J. Sullivan, P.Eng., reported the finding of a magnetic anomaly on the "Cy" group of mineral claims.

The claims were staked by Mr. C. Marks of Vancouver; they are located in the Similkameen Mining Division at Lat. 49 degrees 25 minutes, Long. 119 degrees 25 minutes (approximately). They are recorded as the Cy 1 to 8 Mineral Claims.

Mr. J. Sullivan recommended that the anomaly be outlined by a reconnaissance type magnetometer survey as a preliminary step in the exploration of the property.

Early in April a magnetometer survey was conducted on the claim group. The personnel were:

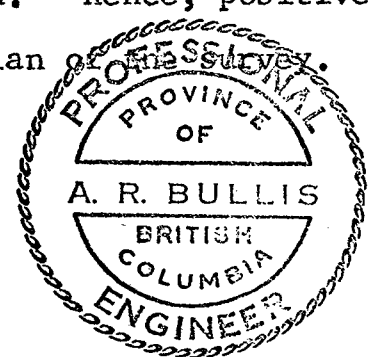
H. Leis, Instrument Operator

J. Schelleberg, Assistant

Mr. H. Leis has two years experience operating magnetometers and other types of geophysical equipment as instrument technician and field supervisor for Strato Geological Ltd. His university training at Carleton University was in the related fields of physics, chemistry and geophysics.

METHOD OF SURVEY

A Sabre Magnetometer was used for the survey. The instrument reads in 40 gamma units which are reduced to datum and interpreted as either above or below background. Hence, positive and negative gamma readings are shown on the plan of the survey.



Method of Survey - Cont.

The location line of the claims was used as the base-line for the survey and cross-lines were cut normal to the base-line at 500 foot intervals. Magnetic readings were taken at one hundred foot intervals along the base-line and side-lines. In addition, a number of readings were taken on an irregular pattern over the large positive anomaly.

INTERPRETATION

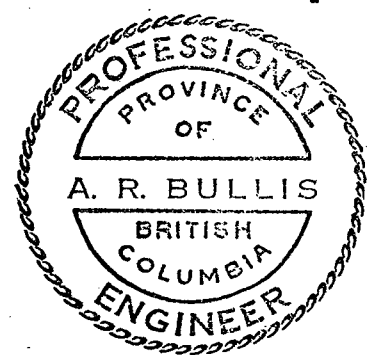
The magnetic-high anomaly, which was reported by Sullivan, has been outlined on cross-lines 35 and 40 and along the base-line.

In addition, two small magnetic-high anomalies were located on lines 25 and 50.

CONCLUSIONS & RECOMMENDATIONS

The magnetic anomaly reported by Sullivan has been pinpointed on the ground. The significance of the anomaly cannot be ascertained without additional work on the claims.

The author recommends that a geological investigation of the area be made and a map prepared of the claims. A soil-sampling



Conclusions & Recommendations - Cont.

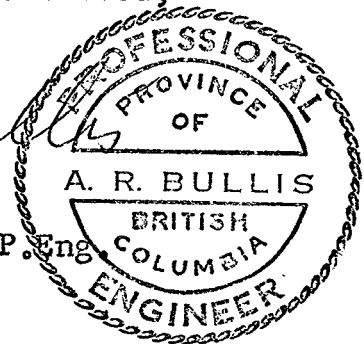
program should be carried out over the large anomaly. The present grid system should be used for the soil-sampling. If results are encouraging, then additional samples should be taken on intermediate lines in order to precisely detail the anomaly.

A review of all work should be made upon completion of the soil-sampling and geological mapping. Enough information should be available at that time to direct the course of any future exploration on the Cy group.

Respectfully Submitted,

A. R. Bullis

A. R. Bullis, P. Eng.



21st April, 1969

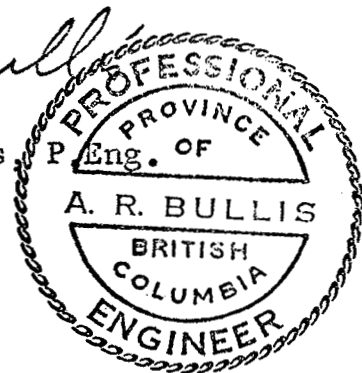
DELTA, B.C.

CERTIFICATE OF QUALIFICATIONS

I, Albert Ralph Bullis, do hereby certify that:

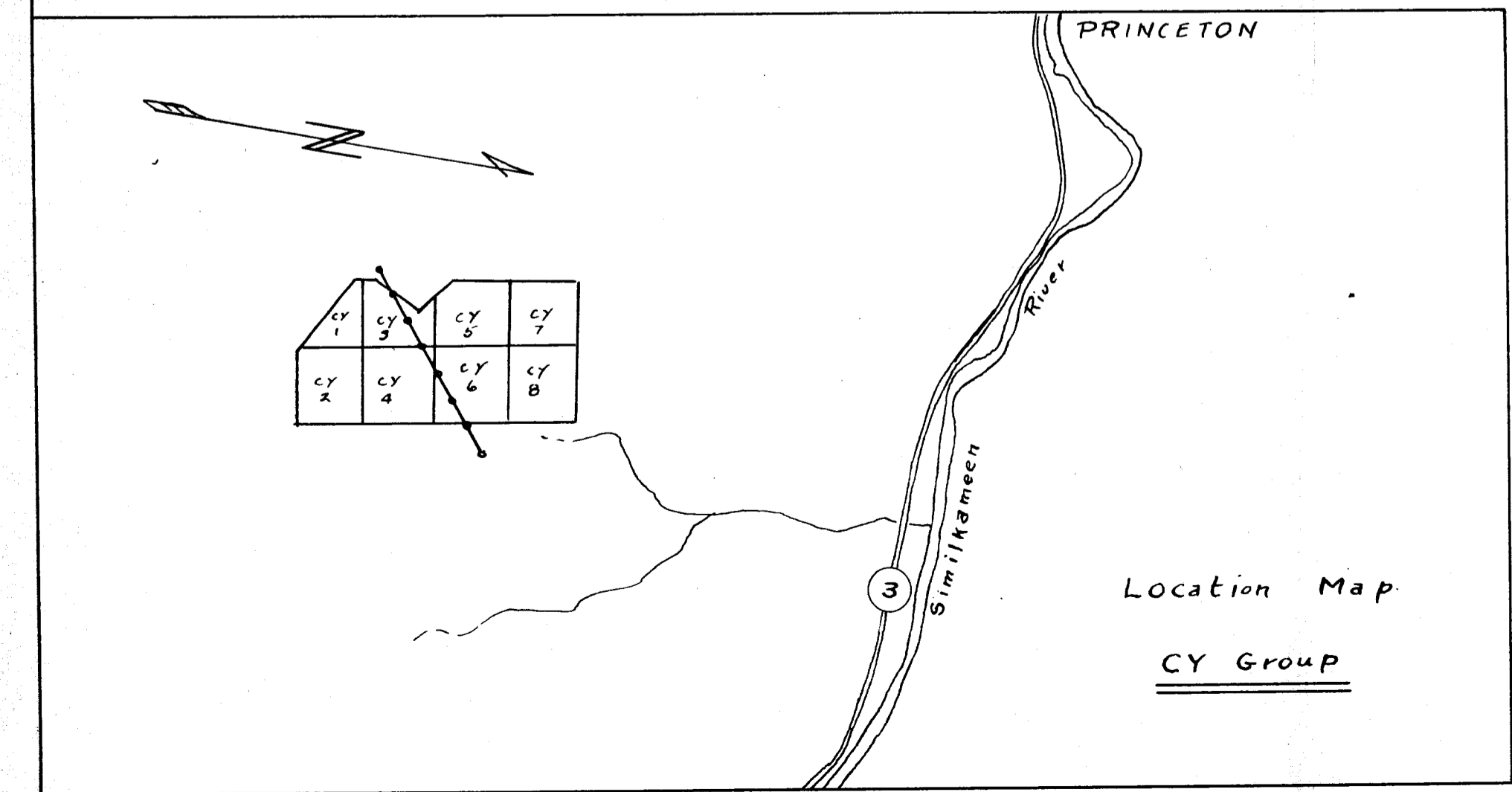
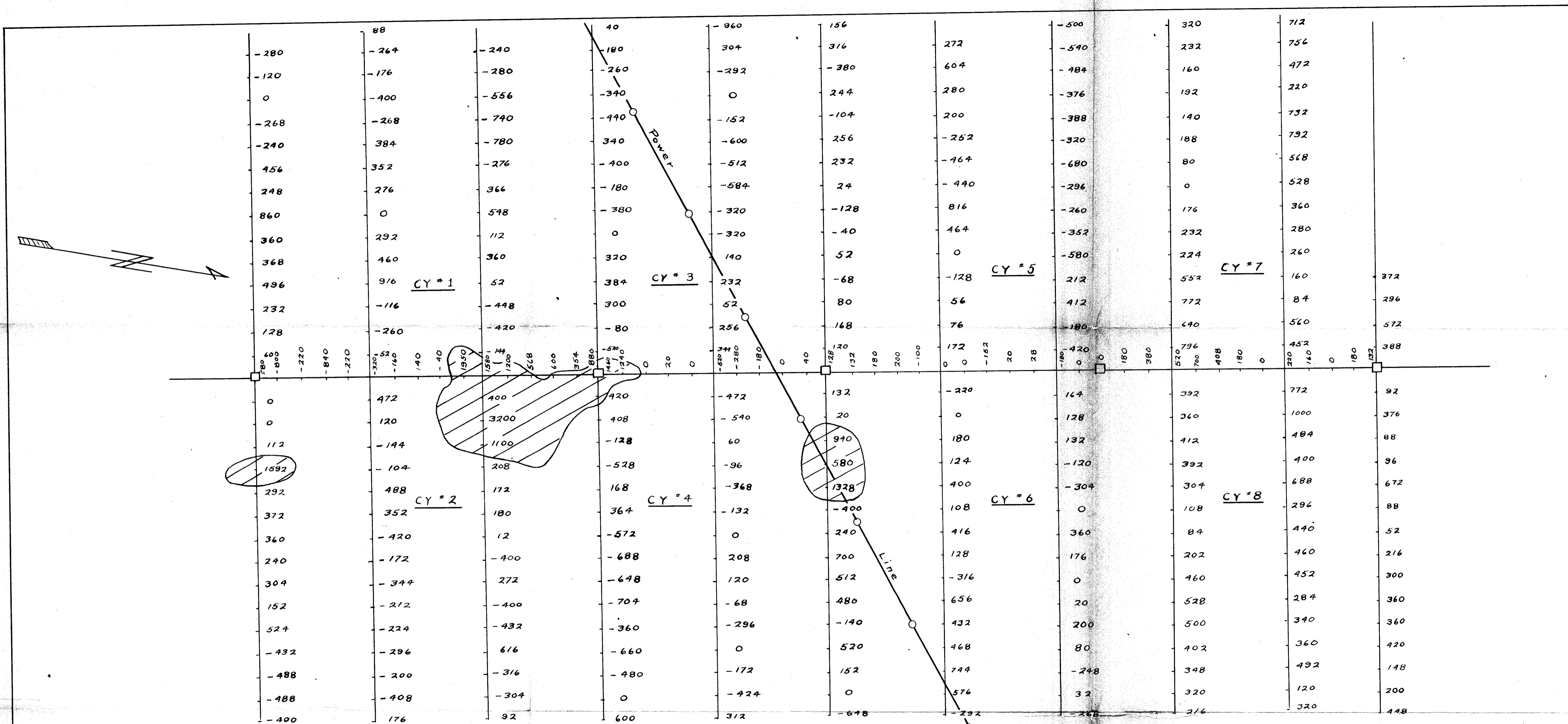
1. I am a practising geological engineer with residence at 5215 Saratoga Drive, Delta, B.C.
2. I am a graduate of the University of British Columbia and have been granted the degree of Bachelor of Applied Science.
3. I have been practising my profession as a geological engineer for sixteen years.
4. I am a member of the Association of Professional Engineers of British Columbia and a member of the Association of Professional Engineers of Ontario
5. The attached report is based on geophysical information supplied by Strato Geological Ltd. as well as a personal examination of the property.
6. I have no interest, directly or indirectly, in the property or securities of Thor Explorations Ltd.

AR Bullis
A. R. Bullis



21st April, 1969

DELTA, B.C.



Anomalous Areas are Cross-Hatched

To accompany report by A.R. Bullis, V. Eng.

Dated: 21 April 1969



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Mines and Petroleum Resources
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NO. **1867** MAP **1**

MAGNETOMETER SURVEY
CY M.C. GROUP
Similkameen Mining Division
Scale: 1 in. = 250 ft.
April 1969

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