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Rec. Rec. Sect. Office Lundberg,
Feb. 24/72

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PROJECTS
SECTION

REPORT
ON
GEOPHYSICAL SURVEYS
ON THE PROPERTY OF
ALBON EXPLORATIONS LTD.
DELAIG TOWNSHIP, ONT.

Montreal, Que.

July 5, 1971.

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Rec. Res. Dist. Office Sudbury (WATERMAN SURVEILLANCE)

Feb 24/72

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REPORT

ON

GEOPHYSICAL SURVEYS

ON THE PROPERTY OF

ALMORE EXPLORATIONS LTD.

CRAG TOWNSHIP, ONT.

INTRODUCTION

A combined electromagnetic and magnetometer survey was completed on the 22 claim group held by Almore Explorations Ltd. in Craig township, Ontario. The object of the surveys was to more accurately outline the geology, structure and potential areas of mineralization on the property.

The following report and accompanying maps describe the results of the surveys and give an interpretation of same.

PROPERTY AND LOCATION

The property is situated in the east central portion of Craig township, Sudbury Mining Division of Ontario.

It consists of 22 unpatented claims in lots 3, 4 and 5 of Concession III and IV, as shown on the accompanying maps.

The claims are registered with the Department of Mines under the following claim numbers:

S 281943 to S 281951 inclusive

S 269066 to S 269074 "

S 291586 to S 291589 "

The last four claims have been recently staked and the survey only covers a portion of these claims.

Access to the property is by air to Bluewater Lake or the Spanish River and then overland by foot.

GEOLOGY

The majority of the property is covered with overburden with the exception of the hillsides where exposures are fairly common.

The geology of the property and area is largely based on government geological maps which indicate that the claims are almost entirely underlain by Algoman granites. Outcrops observed during the survey bore this out. From geological maps the contact of the granite and the gneisses

and schists to the north lies almost along the north boundary of claims 281948, etc.

A basic intrusive dyke has also been mapped as striking northeast across the southern portion of the claim group. Two mineral occurrences are reported on the property, one in a quartz vein and the other showing sulphides on the bank of a creek at the north end of the surveyed area.

SURVEY METHODS AND INSTRUMENT DATA

The survey was carried out using a network of picket lines cut in a northwest direction at 300 foot intervals, as shown on the accompanying maps. Stations were at 100 foot intervals along the lines.

The electromagnetic survey was carried out using the Geonics EM-17 horizontal loop equipment with a 300 foot coil interval. In the horizontal loop type of survey both the in-phase and out-of-phase components of the secondary field are measured, whose special characteristics make possible a fairly accurate evaluation of the conductivity. A conductor caused by sulphide mineralization will produce a curve going from positive readings through

zero to negative and back again to positive. Both the in-phase and out-of-phase readings show the same general curve. The ratio between the in-phase and out-of-phase readings over a conductor is an indication of the conductivity of the body. A good conductor would cause a greater deviation of the in-phase component than the out-of-phase component. The opposite is true of a poor conductor.

The magnetic readings were taken over the same network of lines with a Sharpe MF-1 Fluxgate magnetometer measuring the variations of the vertical component of the earth's magnetic field. Readings were plotted as gammas on a separate map after correction for diurnal variation.

RESULTS OF THE GEOPHYSICAL SURVEYS AND INTERPRETATION

The electromagnetic survey indicates one possible conductive zone, but it occurs on one line only (3W). There is no magnetic association with the conductive zone but it would appear to lie within the granite body. All other responses obtained appear to be caused by topography rather than conductivity.

The magnetic survey shows a northeast trending anomaly extending across the south portion of the property. This shows a negative anomaly on the north which is probably the north contact of the basic intrusive. To the south the anomaly consists of rather erratic highs, probably due to local concentrations of magnetite within the intrusive dyke. To the north of the negative anomaly there are some small areas of highs which may represent alteration along the contact of the intrusive dyke.

There are a few other small magnetic anomalies within the granite to the north but these are likely due to variations in the overburden and local concentrations of magnetite within the granite.

CONCLUSIONS AND RECOMMENDATIONS

The electromagnetic survey outlined one narrow conductive zone but there is a lack of continuity to the zone. It appears to be within the granite body and thus is probably not too significant. No responses were obtained in the vicinity of the known mineral occurrences and one must assume that the size of these occurrences is limited.

The magnetic survey outlined what is believed to be a basic intrusive dyke extending northeasterly across the south part of the property. From the magnetic readings the intrusive appears to be disturbed and there may be considerable alteration along the contacts. Such an intrusive dyke with alteration could be a favorable area for mineral deposition.

Any further exploration should be largely confined to the area around this intrusive dyke and it is recommended that geological mapping and prospecting be carried out in this area and in the vicinity of the conductive zone indicated.

Respectfully submitted,

G.H.D. CONSULTANTS LTD.



H.J. Bergmann, P. Eng.

Montreal, Que.,
July 5, 1971.

Rec. Sec. Res. Dept. Office

Aug. 1971

17



ONTARIO

THE MINING ACT REPORT OF WORK

A separate form is required for each type of work to be recorded.

To the Recorder of Sudbury Almore Explorations Ltd. Mining Division

I, Graham H. Duff for Almore Explorations Limited name of Recorded Holder Miner's Licence

209 - 185 Bay Street, Toronto 116, Ontario Post Office Address

do hereby report the performance of 720 days of Magnetometer (M.A.B.) type of work

not before reported to be applied on the following contiguous claims Magnetometer

Table with 6 columns: Claim No., Days, Claim No., Days, Claim No., Days. Rows include S 281943, S 281944, S 281945, S 281946, S 281947, S 281948, S 281949, S 281950, S 281951, S 269066, S 269067, S 269068, S 269069, S 269070, S 269071, S 269072, S 269073, S 269074.

All the work was performed on Mining Claim (s) (In the case of geological and/or geophysical survey (s) where more than 18 claims are involved attach a schedule)

READ CAREFULLY: THE FOLLOWING INFORMATION IS REQUIRED BY THE MINING RECORDER.

- For Manual Work, Stripping or Opening up of Mines, Sinking Shafts or Other Actual Mining Operations - Names and addresses of the men who performed the work and the dates and hours of their employment.
For Diamond and other Core Drilling - Footage, No. and angle of holes and diameter of core. Name and address of owner or operator of drill. Dates when drilling was done. Signed core log and sketch in duplicate.
For Compressed Air or Other Power Driven or Mechanical Equipment
Type of drill or equipment. Names and addresses of men engaged in operating equipment and the dates and hours of their employment.
For Power Stripping - Type of equipment. Name and address of owner or operator. Amount expended. Dates on which work was done. Proof of actual cost must be submitted within 30 days of recording.
With each of the above types of work sketches are required to show the location and extent of the work in relation to the nearest claim post. In the case of diamond or other core drilling the sketch must be submitted in duplicate.
For Geological and Geophysical Survey - The names and addresses of men employed as well as dates. Type of instrument used in the case of geophysical survey. Reports and maps in duplicate must be filed with the Minister within 60 days of recording.
For Land Survey - the name and address of Ontario Land surveyor.

The Required Information is as Follows: (Attach a list if this space is insufficient)

Report and maps to be forwarded to Toronto within 60 days.

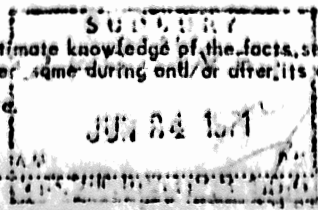
Date June 16, 1971 Signature of Recorded Holder or Agent Graham H. Duff for Almore Explorations Limited

Graham H. Duff The Mining Act Certificate Verifying Report of Work

I, Graham H. Duff 209 - 185 Bay Street, Toronto 116, Ontario (Post Office Address)

hereby certify: 1. That I have a personal and intimate knowledge of the facts set forth in the report of work annexed hereto, having performed the work or witnessed same during and/or after its completion. 2. That the annexed report is true.

Dated June 16 1971 Signature of Duff



Signature of Duff S 269066 S 269066

THE PENALTY FOR MAKING A FALSE STATEMENT IN THIS REPORT AND/OR CERTIFICATE IS \$500. OR SIX MONTHS IMPRISONMENT OR BOTH

ASSESSMENT WORK DETAILS

Type of Survey Magnetometer
A separate form is required for each type of survey

Township or Area Craig Township

Chief Line Cutter Harold V. Barry
Name

1265 Arvo Street, Sudbury, Ontario
Address

Party Chief Peter Ferderber
Name

Prospecting Geophysics,
3518 Vendome Ave. Montreal, Quebec.
Address

Consultant GHD Consultants Limited
Name

209 - 185 Bay Street, Toronto 116, Ont.
Address

Geological field mapping by _____
Name

Address

COVERING DATES

Line Cutting May 1971 - 300' spacing, readings every
100'

Field May & June 1971
Instrument work, geological mapping, sampling etc.

Office June 1971

INSTRUMENT DATA

Make, Model and Type Scintrex

Scale Constant or Sensitivity _____

Or provide copy of instrument data from Manufacturer's brochure.

Radiometric Background Count _____

Number of Stations Within Claim Group _____

Number of Readings Within Claim Group 1370

Number of Miles of Line cut Within Claim Group _____

Number of Samples Collected Within Claim Group _____

CREDITS REQUESTED

20 DAYS
per claim

40 DAYS
per claim

Includes
(Line cutting)

Geological Survey

Geophysical Survey

Geochemical Survey

Show
 Check /

DATE June 16/71 SIGNED _____

Graham H. Duff

Performance and coverage credits do not apply to airborne surveys

**SPECIAL PROVISION CREDITS
 for
 PERFORMANCE & COVERAGE**

MINING CLAIMS TRAVERSED
 List numerically

S 281943 to S 281951 incl.

S 269066 to S 269074 incl.

TOTAL CLAIMS 18

Send in Duplicate to:

FRED W. MATTHEWS
 SUPERVISOR-PROJECTS SECTION
 DEPARTMENT OF MINES &
 NORTHERN AFFAIRS
 WHITNEY BLOCK
 QUEEN'S PARK
 TORONTO, ONTARIO

*NO CREDITS FOR
 S 281943*

If space insufficient, attach list

Rec. Sec. Res. Dept. Office

116

Aug 17 1971
Graham H. Duff for
Almore Explorations Ltd.



ONTARIO

A separate form is required for each type of work to be recorded.

THE MINING ACT REPORT OF WORK

To the Recorder of Sudbury Mining Division
I, Graham H. Duff for Almore Explorations Limited A 37159
name of Recorded Holder Miner's Licence
185 Bay Street, Suite 209, Toronto 116, Ontario.
185 Bay Street, Suite 209, Post Office Address
do hereby report the performance of 360 days of EM type of work

not before reported to be applied on the following contiguous claims

Claim No.	Days	Claim No.	Days	Claim No.	Days
S. 281943	20	S. 281949	20	S. 269069	20
S. 281944	20	S. 281950	20	S. 269070	20
S. 281945	20	S. 281951	20	S. 269071	20
S. 281946	20	S. 269066	20	S. 269072	20
S. 281947	20	S. 269067	20	S. 269073	20
S. 281948	20	S. 269068	20	S. 269074	20

All the work was performed on Mining Claim (s) Crown
(In the case of geological and/or geophysical survey (s) where more than 18 claims are involved attach a schedule)

READ CAREFULLY: THE FOLLOWING INFORMATION IS REQUIRED BY THE MINING RECORDER.

- For Manual Work, Stripping or Opening up of Mines, Sinking Shafts or Other Actual Mining Operations - Names and addresses of the men who performed the work and the dates and hours of their employment.
- For Diamond and other Core Drilling - Footage, No. and angle of holes and diameter of core. Name and address of owner or operator of drill. Dates when drilling was done. Signed core log and sketch in duplicate.
- For Compressed Air or Other Power Driven or Mechanical Equipment
Type of drill or equipment. Names and addresses of men engaged in operating equipment and the dates and hours of their employment.
- For Power Stripping - Type of equipment. Name and address of owner or operator. Amount expended. Dates on which work was done. Proof of actual cost must be submitted within 30 days of recording.
- With each of the above types of work sketches are required to show the location and extent of the work in relation to the nearest claim post. In the case of diamond or other core drilling the sketch must be submitted in duplicate.
- For Geological and Geophysical Survey - The names and addresses of men employed as well as dates. Type of instrument used in the case of geophysical survey. Reports and maps in duplicate must be filed with the Minister within 60 days of recording.
- For Land Survey - the name and address of Ontario Land surveyor.

The Required Information is as Follows: (Attach a list if this space is insufficient)

Report and map to be forwarded to Toronto within 60 days.

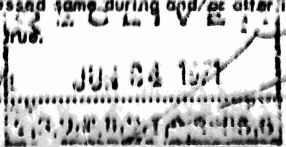
Date June 16, 1971
Signature of Recorded Holder or Agent
Graham H. Duff for Almore Explorations Limited

The Mining Act
Certificate Verifying Report of Work

I, Graham H. Duff
209 - 185 Bay Street, Toronto 116, Ontario.
209 - 185 Bay Street (Post Office Address)
herby certify:

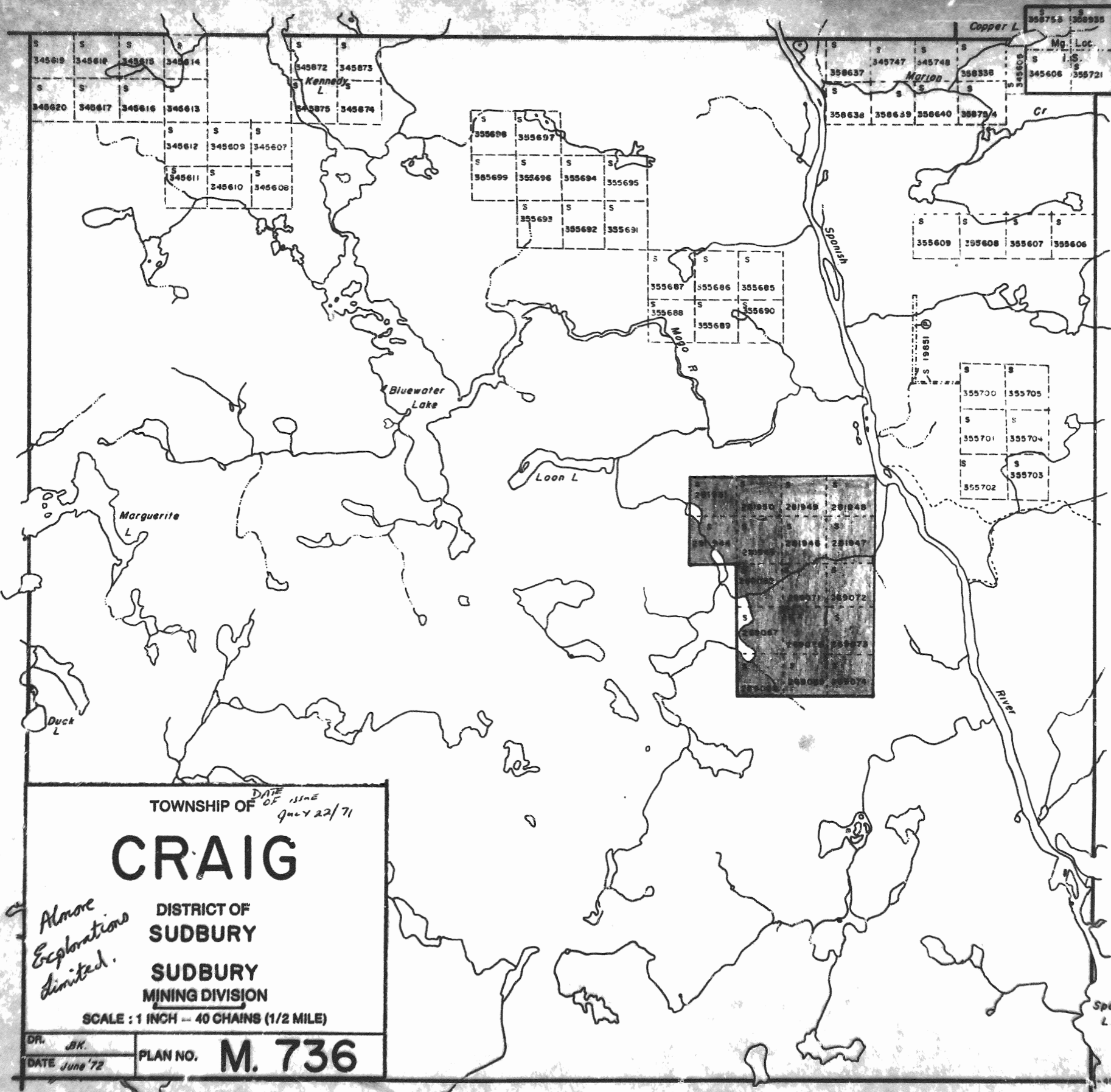
- That I have a personal and intimate knowledge of the facts set forth in the report of work annexed hereto, having performed the work or witnessed same during and/or after its completion
- That the annexed report is true.

Dated June 16, 1971
Graham H. Duff Signature



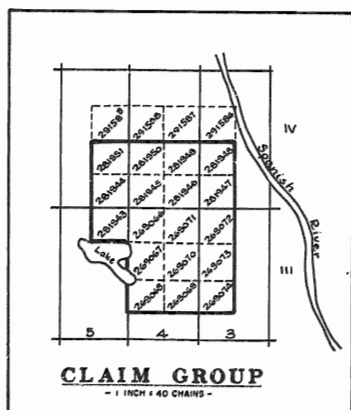
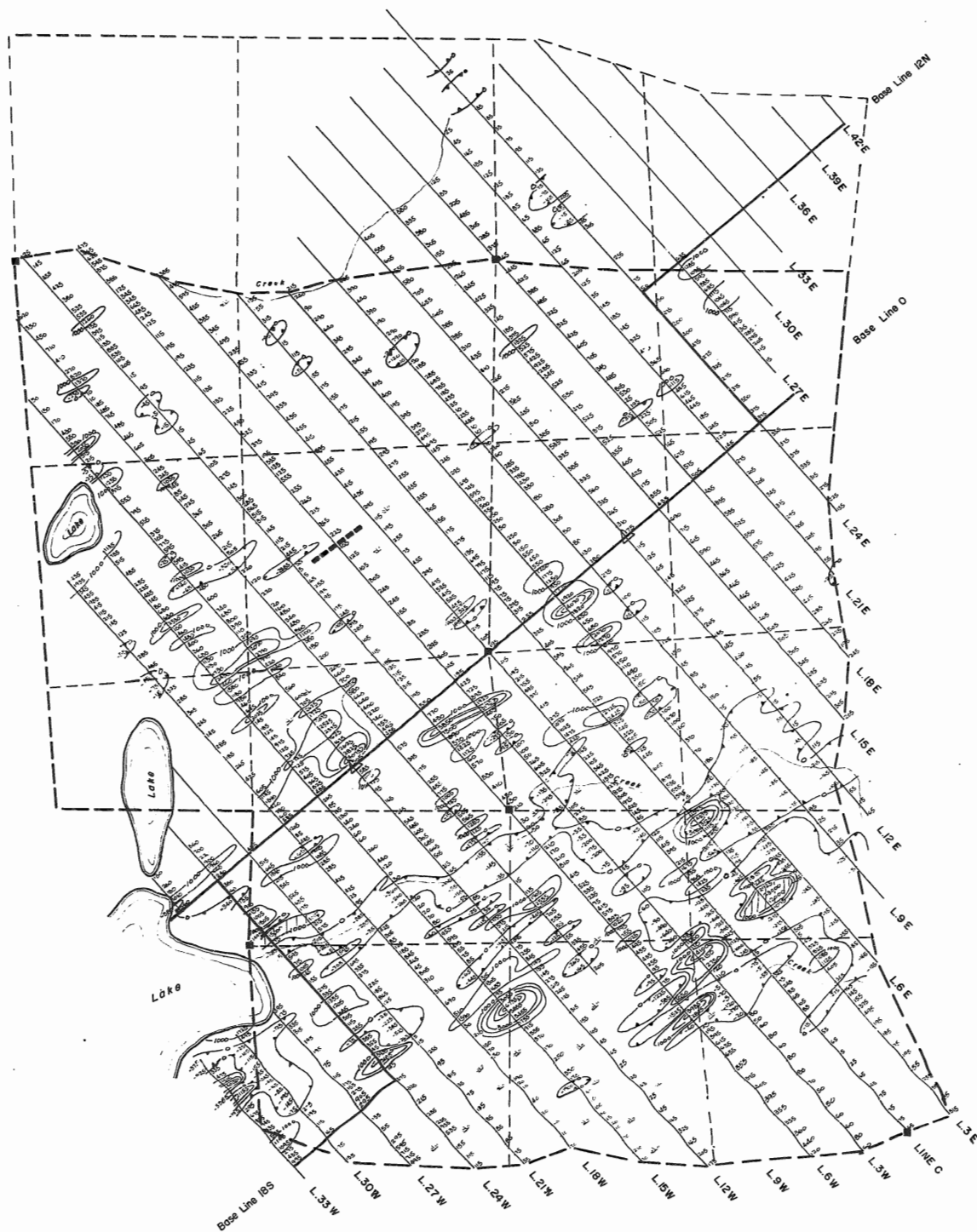
THE PENALTY FOR MAKING A FALSE STATEMENT IN THIS REPORT AND/OR CERTIFICATE IS \$500. OR SIX MONTHS IMPRISONMENT OR BOTH

S. 269066



TP. 115 M. 1201

MONCRIEFF Tp. M. 869



LEGEND

- MEASUREMENT STATIONS, ALONG PICKET LINES
- RELATIVE VALUES OF THE VERTICAL COMPONENT FORCE OF THE EARTH'S MAGNETIC FIELD (In Gammas)
- MAGNETIC CONTOURS
- BASE STATION
- ELECTRICAL CONDUCTOR

MAGNETOMETER SURVEY

- for -

ALMORE EXPLORATIONS LIMITED

CRAIG TOWNSHIP, ONTARIO

SCALE 0 400 800 1200 FEET
July 1971

2-515

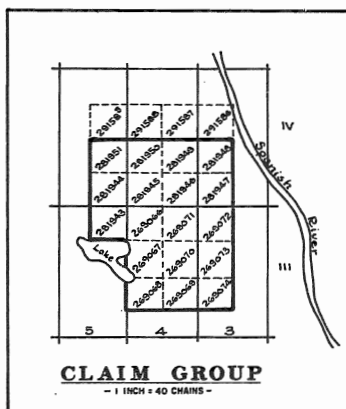
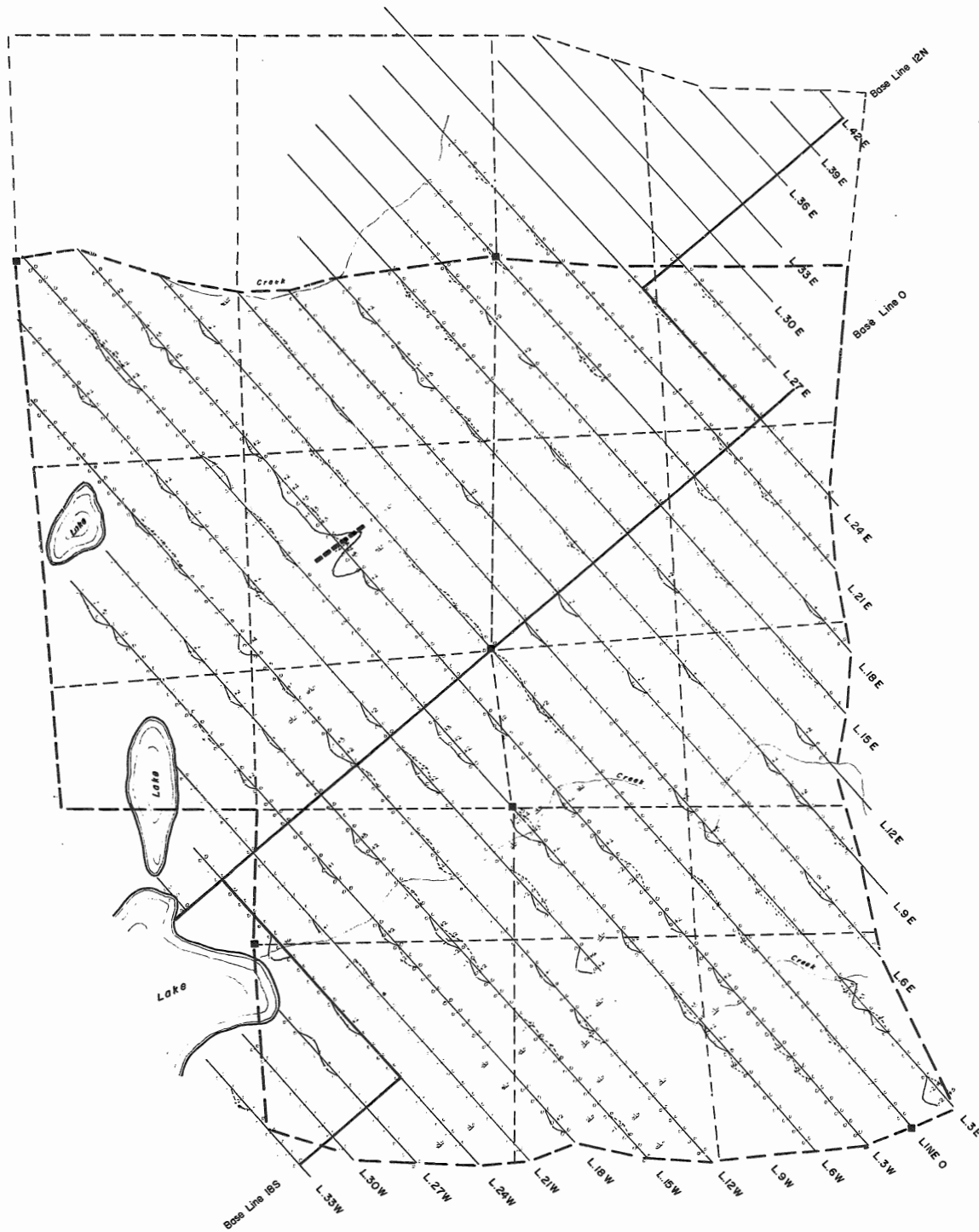


CRAIG-0012-A1, #1



GHD Consultants Limited

Handwritten signature



LEGEND

- MEASUREMENT STATIONS ALONG PICKET LINES
- ELECTROMAGNETIC READINGS - In Phase Component (%)
- ELECTROMAGNETIC READINGS - Out of Phase Component (%)
- PROFILE - In Phase Component (Scale 1" = 20%)
- PROFILE - Out of Phase Component (Scale 1" = 20%)
- COIL SEPARATION - 300 Feet
- INSTRUMENT - GEONICS EM-17
- ELECTRICAL CONDUCTOR

HORIZONTAL LOOP
ELECTROMAGNETIC SURVEY

- for -
ALMORE EXPLORATIONS LIMITED

CRAIG TOWNSHIP, ONTARIO



2.515



GHD Consultants Limited



CRAIG-0012-A1, #2

