

LEVINTER, CIGLEN, GROSSBERG, SHAPIRO.



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1955
1955

REPORT ON THE
Report on the
MAGNETOMETER SURVEY
Magnetometer Survey

ON
ON

MINERAL CLAIMS:-

| | |
|--|-------------------------------|
| <u>Mineral Claims:-</u> S-76278 to S-76286 inclusive | S. 76278 to S. 76286 incl. |
| S-80758 to S-80768 inclusive | S. 80758 to S. 80768 incl. |
| and S-74482. | AND S. 74482 |

Dowling Township - District of Sudbury
Sudbury Mining Division

by

Michael Zurowski, B. Sc.

DOWLING TWP.
- DISTRICT OF SUDBURY

SUDBURY MINING
DIVISION

BY

MICHAEL ZUROWSKI
B.Sc.

CONC IV, V CONC IV, V
LOT 4-5-6, LOT 4-5-6

63.686

Report on the Magnetometer Survey

Dowling Township - Sudbury Mining Division.

Property & Location

The property consists of eighteen contiguous unsurveyed and unpatented mineral claims occupying parts of lots 4, 5 and 6 in concession 4 and 5, Dowling Township, Sudbury Mining Division, Ontario. The mineral claims are numbered as follows:

S-76278 to S-76286 inclusive, S-80758 to S-80765 inclusive and S-74482.

Access

The property is accessible from the main Levack-Sudbury highway at a point about twenty-two miles from Sudbury. From the Levack-Sudbury highway to the south boundary of the property is about three-quarters of a mile.

Topography and Physiography

The topography is quite rugged with hills reaching heights of one hundred feet above the surrounding low ground; much of the property is overburdened varying from five to twenty feet.

Timber species are confined to poplar, minor spruce and jackpine.

Linecutting

Picket lines at 200 foot intervals were out over the property.

Magnetometer Survey

A magnetometer survey was conducted over the property, using a Sharpe DL-M magnetometer instrument. Results were plotted on a plan to the scale of one inch equals 200 feet. The map accompanies the report.

Property Geology

The property is underlain by the Onaping formation of the Whitewater Series. This formation consists of tuff and agglomerate with minor rhyolitic flows. The fragments of the volcanic fragmental are of dark grey to black rhyolitic composition and some fragments of quartz and feldspar.

The general strike of the Onaping formation is northeast-southwest with a dip to the southeast.

Structure

The Onaping formation in certain sections of the property exhibits considerable shearing. This shearing is usually noted on the slopes of steep cliffs with inference that the depressions may be expressions of fault zones.

Mineralization

Small pockets of sulphides consisting of chalcopyrite, sphalerite and pyrrhotite were noted in trenches on the property. The host rock of the sulphide mineralization is the Onaping formation and in most cases exhibits shearing.

Results of the Magnetometer Survey

A magnetometer survey was conducted over the property, the main objective was to explore and detect any sulphide bodies which may exist along the east-west trending depressions.

Numerous magnetic anomalies were delineated by the survey and in most cases these anomalies were local and confined to one station. Also, a majority of these anomalies were outlined in outcrop areas. Careful examination of the outcrop during the survey proved that magnetite occurred within the Onaping formation as small grains and that the anomalies were not caused by sulphide mineralization.

The anomalies in the overburdened areas were also one station anomalies and were not in the anticipated favorable depression areas.

Conclusions

The magnetometer survey failed to detect any large magnetic areas along the strike of the east-west trending depressions. That these features may be the topographic expression of faults, was not disproved. Since no large magnetic areas exist along these topographic expressions, it is quite safe to say that ^{magnetic} no sulphide lens or bodies occur within these features. The overburden conditions are not excessive in that they would shield sulphide mineralization from detection by the magnetometer instrument.

Detail work between lines near known mineralization failed to delineate the continuation of any of the known zones.

In view of the results of the magnetometer survey, which were not encouraging, recommendations are as follows.

Recommendations

Cessation of any further exploratory work on the property.

Respectfully submitted



Michael Zurowski, B. Sc.

December 13, 1955.

Technical Details of the Assessment WorkLinecutting

The mileage cut and chained for the magnetometer survey is as follows:

| | |
|-------------------|-------------|
| Base line ----- | 1.5 |
| Picket line ----- | <u>31.3</u> |
| Total | <u>32.8</u> |

The base line was cut in an east-west direction through the central part of the property. Picket lines were turned off at right angles from the base line at 200 foot intervals.

Stations at 100 foot intervals were established along the base line and picket lines.

Magnetometer Survey

The magnetometer survey was performed during October and November, 1955. The survey was conducted using a Sharpe DI-M magnetometer whose scale constant was 26.1 gammas. A total of 1638 stations were established along the picket lines. Readings were taken on swing and hourly and daily diurnal variations were applied during the course of the survey.

Claims:- S-76278 → S-76286
 S-76278 to S-76286 Inclusive
 S-80758 - S-80765
 S-80758 to S-80765 Inclusive
 + S-74482
 and S-74483.

Dowling Township - Sudbury Mining Division - Ontario

Summary of Assessment Work

| <u>Claim No.</u> | <u>Total Equivalent 8 hr. Man Days</u> |
|------------------|--|
| S-76278 S-76278 | 33.1 33.1 |
| S-76279 " -79 | 33.1 " |
| S-76280 - 80 | 33.1 " |
| S-76281 - 81 | 33.1 " |
| S-76282 - 82 | 33.1 " |
| S-76283 - 83 | 33.1 " |
| S-76284 - 84 | 33.1 " |
| S-76285 - 85 | 33.1 " |
| S-76286 - 86 | 33.1 " |
| S-80758 S-80758 | 33.1 " |
| S-80759 - 59 | 33.1 " |
| S-80760 - 60 | 33.1 " |
| S-80761 - 61 | 33.1 " |
| S-80762 - 62 | 33.1 " |
| S-80763 - 63 | 33.1 " |
| S-80764 - 64 | 33.1 " |
| S-80765 - 65 | 33.1 " |
| S-74482 S-74482 | <u>33.1</u> " |
| Total | 596 (596) |

Work Done ByParty of four as follows:

Rozulus Ricard, Geraldton, Ont.

Donat Boucher " "

Isobel Levesque " "

Kenneth Levesque " "

Period - October 21st to November 12th, 1955, inclusive

Magnetometer Survey (Field Work) MAG. SURV (FIELD)

Ted Lowin - Imperial Hotel, Sudbury, Ont., operator

Period - October 28th to November 17th, 1955, inclusive

Magnetometer Survey (office work) (MAG SURV (OFFICE))

H. Demasuk - 106 Riverside Drive, Sudbury, Ont.

Period: November 21st to December 11th, 1955 - part time, a total of 48 man hours.

H. Zirowski, Box 246, Sudbury, Ont.

Period: October 21st to November 17th, 1955

Breakdown

| <u>Geophysical Survey</u> | <u>8 hr. Man Days</u> | <u>Factor</u> | <u>Total 8 hr. Man Days</u> |
|---|-----------------------|---------------|-----------------------------|
| Linecutting | 92 (92) | 4 4 | 368 368 |
| Magnetometer Survey (Field work) (FIELD) | 21 (21) | 4 " | 84 84 |
| Magnetometer Survey (Office work) (OFFICE) | 8 (8) | 4 " | 32 32 |
| Draughting, Reports Supervision, etc. | <u>20 (20)</u> | <u>4 "</u> | <u>112 112</u> |
| | | Total | 596 (596) |

On per claim basis - $\frac{596}{18} = 33.1$

$$\frac{596}{18} = 33.1$$

Respectfully submitted

Michael Marowski
Michael Marowski, P. Ge.

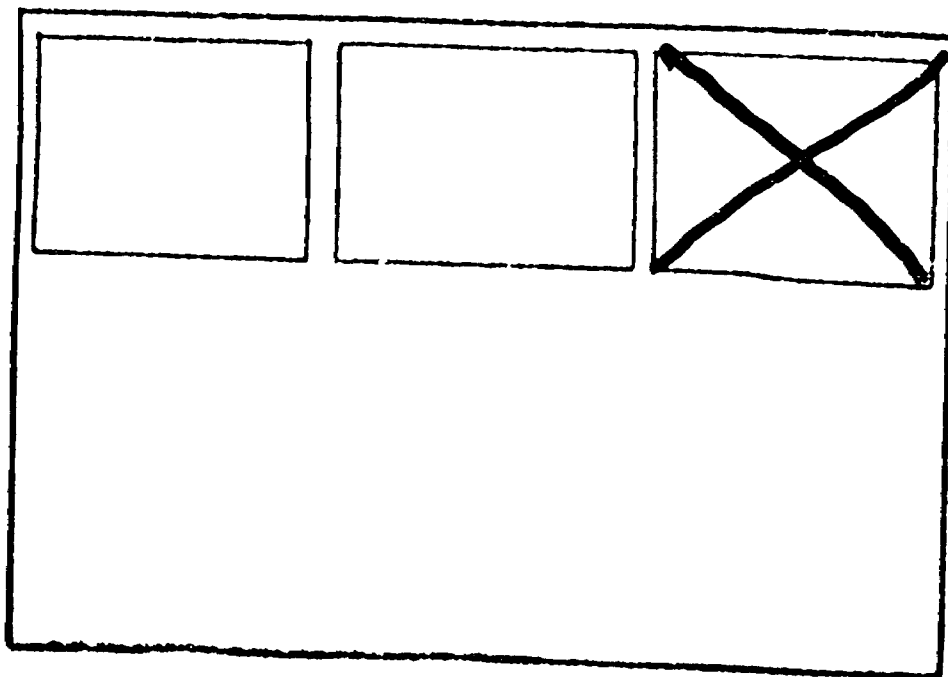
December 14, 1955

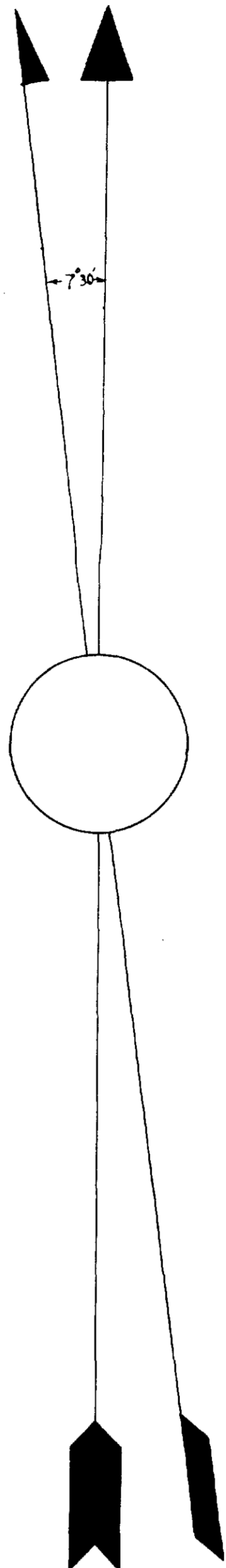
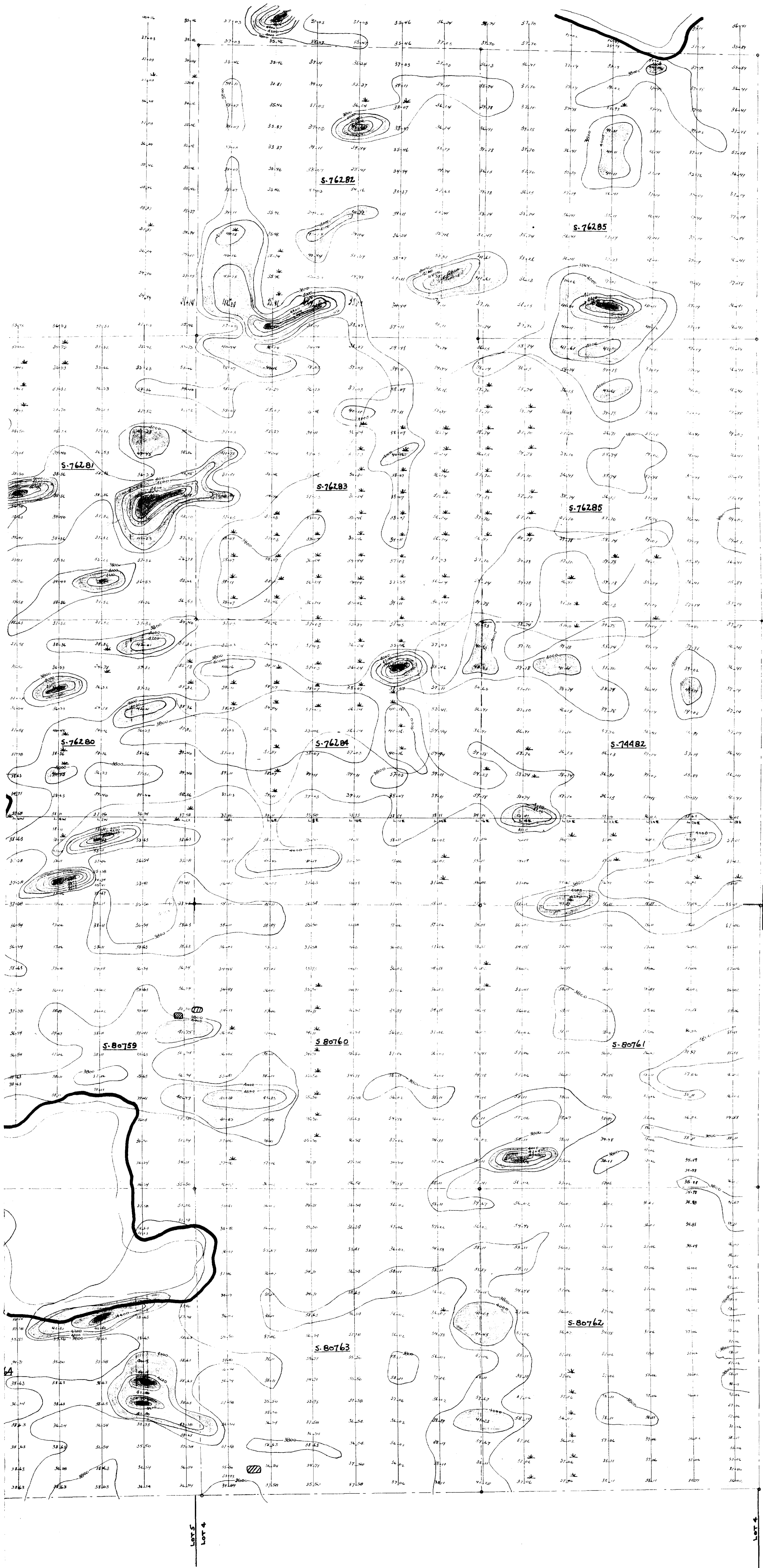
DEC. 15/55.

SEE ACCOMPANYING
MAP(S) IDENTIFIED AS

DOWLING-0015-C1-#1

LOCATED IN THE MAP
CHANNEL IN THE FOLLOWING
SEQUENCE (X)





CONS. V
CONS. IV

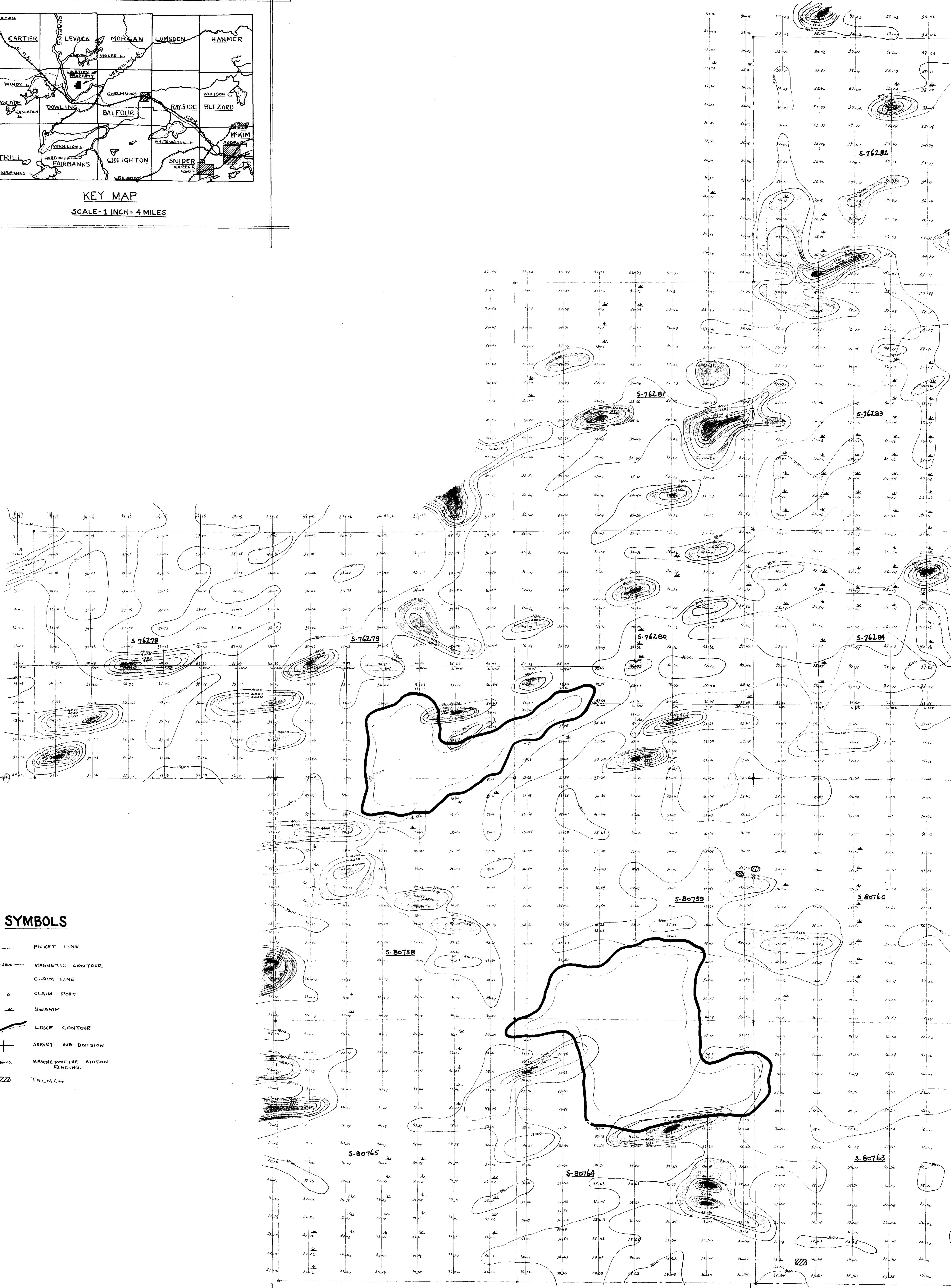
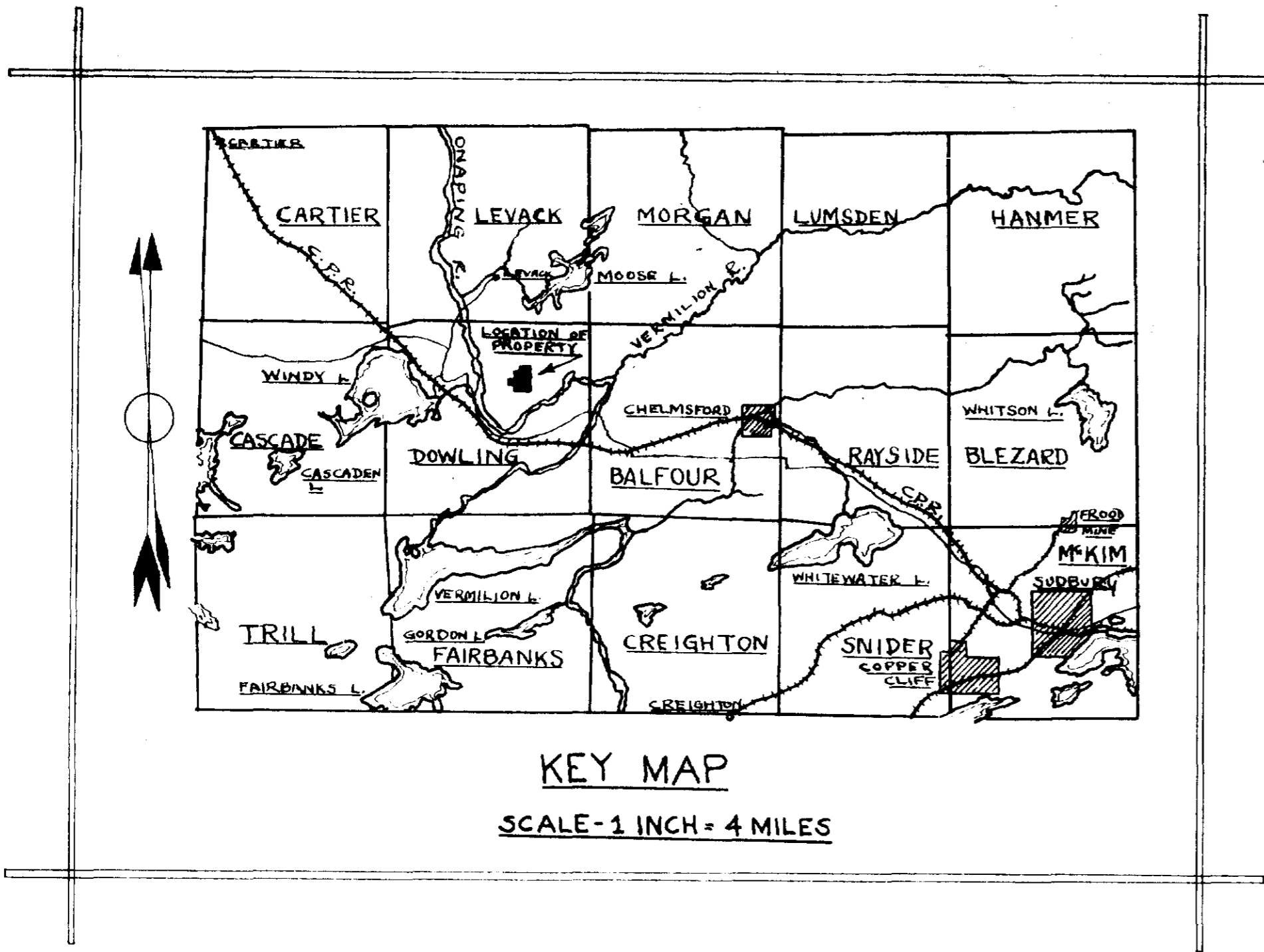
LEGEND

- OVER 4800 GAMMAS
- 4600 - 4800 "
- 4400 - 4600 "
- 4200 - 4400 "
- 4000 - 4200 "
- 3800 - 4000 "
- UNDER 3800 "
- Trench?

DOWLING-0015-C1-#1

MAGNETOMETER SURVEY PLAN
OF
CLAIMS - S74482 - S76278 TO S76285 INCL. AND
S80758 TO S80765 INCL.
DOWLING TWP.
SUDBURY MINING DIVISION-ONTARIO

SCALE 1"=200'



CONS. V
CONS. IV

SYMBOLS

- PICKET LINE
- MAGNETIC CONTOUR
- CLAIM LINE
- o CLAIM POST
- swamp SWAMP
- LAKE CONTOUR
- + SURVEY SUB-DIVISION
- M.M. MAGNETOMETER STATION READING
- ▨ TRENCH

Lot 4

Lot 4

