



31M03NW0006 63.2030 SOUTH LORRAIN

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63-2030

MILLERFIELDS SILVER CORP. LTD.

KEEVIL MINING GROUP LTD.

SOUTH LORRAIN TOWNSHIP CLAIMS

REPORT ON THE
MAGNETOMETER SURVEY

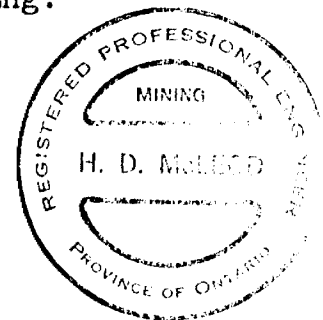
REPORT No. 86P

N.T.S. 31 M/3

September 19, 1966

H. D. McLeod P. Eng.

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SUMMARY, CONCLUSIONS & RECOMMENDATIONS

Millerfields Silver Corporation Limited and Keevil Mining Group Limited South Lorrain Township claims were tested by a ground magnetometer survey.

A number of linear high magnetic trends were outlined and are interpreted to be caused by iron formation bands within Keewatin lavas and by Matachewan - age diabase dikes.

No further work on the claims is recommended at the present time.

ACCOMPANYING MAPS

(1.) Drawing 3117 - "Magnetometer Survey".

INTRODUCTION

Millerfields Mining Corporation Limited and Keevil Mining Group Limited South Lorrain Township group consists of eleven contiguous claims numbered T 56781, T 56782, T 57591 to T 57595 inclusive, T 55901, and T 55910 to T 55912 inclusive. The first seven claims are registered in the name of Millerfields Mining Corporation Limited, Suite 1000, 11 Adelaide St. W., Toronto, Ontario, the remainder in the name of Keevil Mining Group Limited of the same address.

Exploration work consisting of line cutting and a magnetometer survey was completed during the period June 2 to August 11, 1966. The work was done by Geophysical Engineering and Surveys Limited personnel under the direct supervision of the writer. The magnetometer survey was done by A. McClemens, 83 Algonquin Blvd. E., Timmins, Ontario.

LOCATION & ACCESS

The claims are located on the shoreline of Lake Timiskaming in the northeast part of South Lorrain Township a distance of six miles. Approximate co-ordinates are $47^{\circ} 12'$ north and $79^{\circ} 27'$ west.

Access is by the South Lorrain road which passes a few hundred feet southwest of the claims.

SURVEY METHODS

Line Cutting

Picket lines were cut east to the lake shore and claim boundaries and west to claim boundaries at 400-foot intervals from a north-south base line. Line cutting was a difficult and slow

job due to bad topography.

Approximately 9 miles of line were cut.

Magnetometer Survey

The magnetometer survey was done with a Sharpe Fluxgate Model M.F.-1 magnetometer having a constant of 20 gammas per scale division. Readings were taken at 100-foot intervals along all the picket lines. Diurnal readings at a maximum of one hour intervals were taken on permanent base stations. The results were corrected, plotted and contoured as shown on the accompanying map.

Approximately 460 stations were read.

RESULTS OF SURVEY

The survey outlined a number of irregular narrow linear high magnetic trends scattered throughout the group but concentrated in the north half. These trend east-west to north-south in the north half and north-south in the south half. Maximum relief is 3200 gammas above background.

GEOLOGY

No geological mapping was done however Ontario Department of Mines map P 289 "South Lorrain Township" indicates that the south half of the claims area is underlain by flat lying Gowganda siltstones and conglomerate whereas the north half is underlain by Keewatin volcanics.

The high magnetic anomalies in the latter area probably are caused by iron formation bands or magnetite-rich horizons in the flows. The south half anomalies probably are diabase dikes.

Lorrain Twp. (M. 536)

THE TOWNSHIP OF
OF
SOUTH LORRAIN
DISTRICT OF
TIMISKAMING
TIMISKAMING
MINING DIVISION

SCALE: 1-INCH = 40 CHAINS

LEGEND

- PATENTED LAND ⊙
- CROWN LAND SALE C.S.
- LEASES ⊖
- LOCATED LAND Loc.
- LICENSE OF OCCUPATION L.O.
- MINING RIGHTS ONLY M.R.O.
- SURFACE RIGHTS ONLY S.R.O.
- ROADS —
- IMPROVED ROADS —
- KING'S HIGHWAYS —
- RAILWAYS —
- POWER LINES —
- MARSH OR MUSKOG —
- MINES —
- CANCELLED C.

NOTES

400' Surface Rights Reservation around all Lakes and Rivers.

HE.P.C. Flooding Above "Upper Notch" To Elev 782' Under L.O. 7088.

RESERVE FLOODING RIGHTS TO HE.P.C. CONTOUR 782' ALONG SHORES OF MONTREAL RIVER.

RESERVE FLOODING RIGHTS TO HE.P.C.(PROPOSED) TO CONTOUR 905' G.S.C.

DATE OF ISSUE

DEC 1 1965

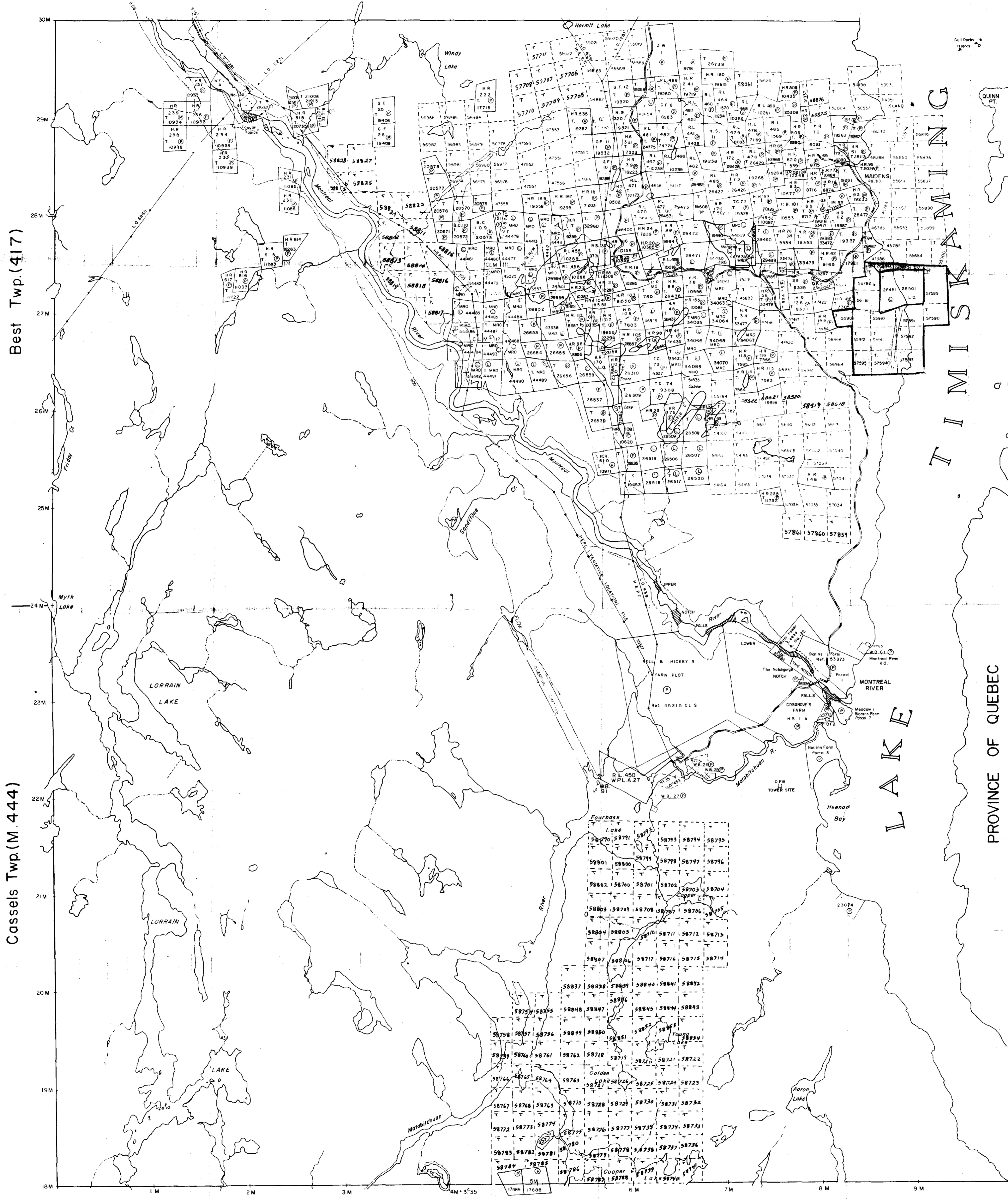
ONTARIO DEPT. OF MINES

ONT. DEPT. OF MINES
MINING LANDS BR.

THIS MAP FOR CHECKING
PURPOSES ONLY - MUST
NOT BE SOLD.

PLAN NO. - M.591

DEPARTMENT OF MINES
— ONTARIO —

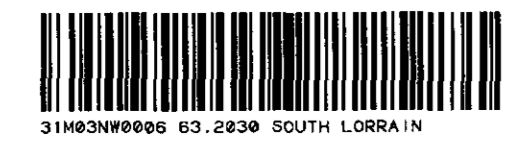


Best Twp. (417)

Cassels Twp. (M. 444)

Eldridge Twp. (M. 470)

Hebert Twp. (M. 496)



T 46786

T 55654

T 55900

L-28 N

L-24 N

L-20 N

L-16 N

L-12 N

L-8 N

L-4 N

L-36 S

L-40 S

L-44 S

L-48 S

L-52 S

L-56 S

L-60 S

L-64 S

L-68 S

L-72 S

L-76 S

L-80 S

L-84 S

L-88 S

L-92 S

L-96 S

L-100 S

T 26450

T 56782

T 26501

ASSESSMENT CREDITS CLAIMED
FOR THE WORK DONE IN THIS
AREA ONLY

T 57591

T 57590

T 55901

T 55911

T 55912

T 55911

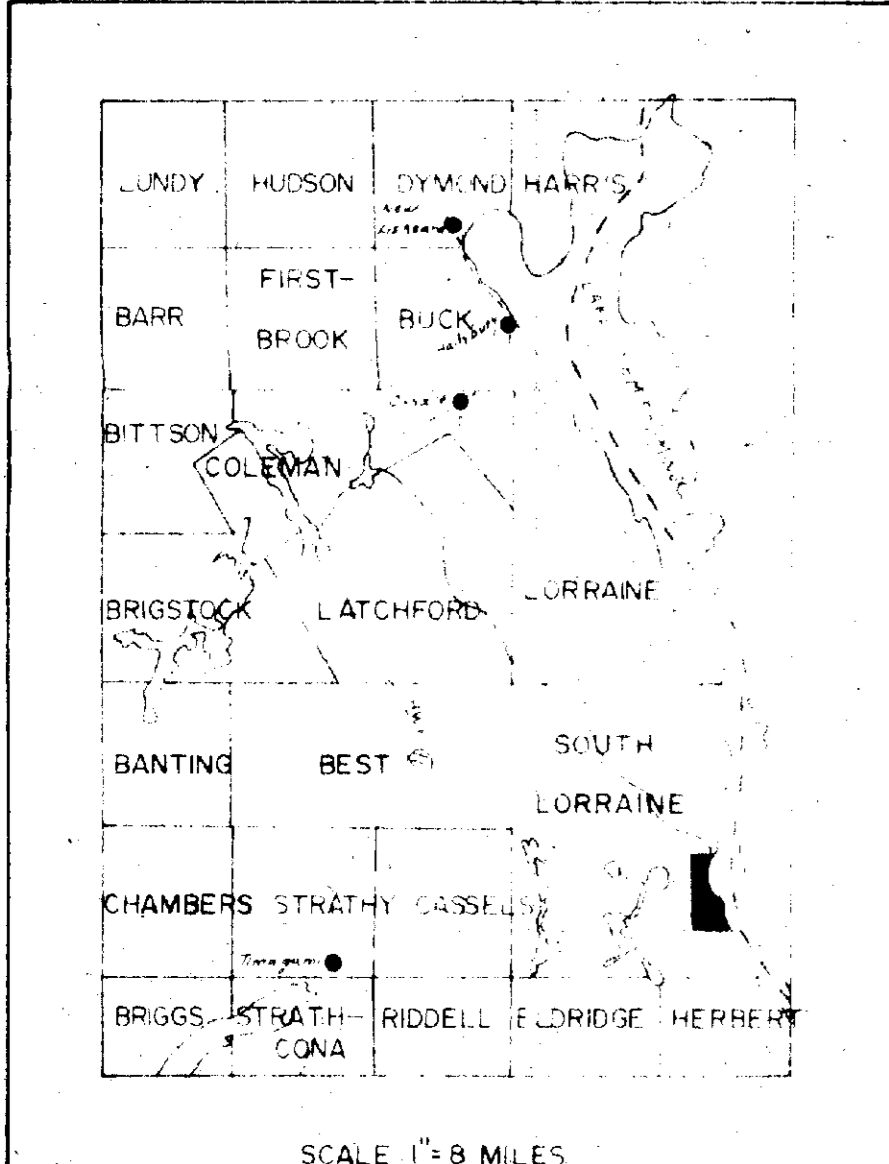
T 57595

T 57594

T 57592

T 57593

LAKE TIMISKAMING

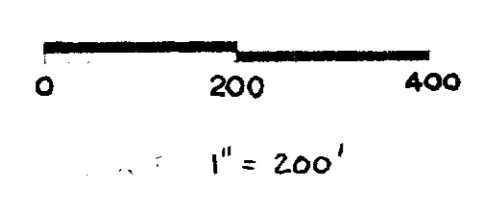


MAGNETOMETER SURVEY

SOUTH LORRAIN TWP, ONTARIO
FOR

MILLERFIELDS SILVER CORP. LTD.
GEOPHYSICAL ENGINEERING AND SURVEYS LTD.

63.2030



SOUTH SECTION OF M24

210

H.D. McLeod P. Eng.

LEGEND

VALUES SHOWN THUS γ ARE IN GAMMAS
 CONTOURS SHOWN THUS γ ARE AT 50 GAMMA INTERVALS
 INSTRUMENT SHARPE FLUXGATE MAGNETOMETER MODEL M.F. - 1
 OPERATOR A. McDONNELL

